

主类群 (Main Taxa)	次级类群 (Sub Taxa)	属名 (Genus)	种名 (Species)	分类阶元 (Taxonomic category)	是否重 定名 (Rename)	模式标本 分布国家 (Distribution countries)	地质年代 (Geologic time)	出版物 (Publication)	文章题目 (Article title)
Fishes	Jawless vertebrates	<i>Psammosteus</i>	<i>Psammosteus ramosus</i>	新种	否	Russia	Devonian	Estonian Journal of Earth Sciences	A new psammosteid (Agnatha, Heterostraci) from the Amata Regional Stage of the Main Devonian Field and morpho-histological types of discrete micromeric elements in the family Psammosteidae
		<i>Groenlandaspis</i>	<i>Groenlandaspis mirabilis</i>	新种	否	South Africa	Devonian	PLOS ONE	New morphological information, and species of placoderm fish <i>Africanaspis</i> (Arthrodira, Placodermi) from the Late Devonian of South Africa
		<i>Herasmusius</i>	<i>Herasmusius dayi</i>	新种	否	Canada	Devonian	Canadian Journal of Earth Sciences	A new Early Devonian (Emsian) arthrodire from the Northwest Territories, Canada, and its significance for paleogeographic reconstruction
		<i>Houershanaspis</i>	<i>Houershanaspis zhangji</i>	新属种	否	China	Early Devonian	Acta Geoscientica Sinica	A New Antiarchi (Placoderm Fishes) from Devonian Strata of Dushan, Guizhou Province
		<i>Radotina</i>	<i>Sudaspis chlapaci</i>	新属种	否	Czech	Devonian	PLOS ONE	Unique diversity of acanthothoracid placoderms (basal jawed vertebrates) in the Early Devonian of the Prague Basin, Czech Republic: A new look at Radotina and Holopetalichthys
		<i>Radotina</i>	<i>Tlamaspis inopinatus</i>	新属种	否	Czech	Devonian	PLOS ONE	Unique diversity of acanthothoracid placoderms (basal jawed vertebrates) in the Early Devonian of the Prague Basin, Czech Republic: A new look at Radotina and Holopetalichthys
		<i>Abdounia</i>	<i>Abdounia mesetae</i>	新种	否	Antarctica	Eocene	Journal of Vertebrate Paleontology	New carcharhiniform sharks ((Chondrichthyes, Elasmobranchii) from the early to middle Eocene of Seymour Island, Antarctic Peninsula

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Fishes	Cartilaginous fishes	<i>Abdounia</i>	<i>Abdounia richteri</i>	新种	否	Antarctica	Eocene	Journal of Vertebrate Paleontology	New carcharhiniform sharks (Chondrichthyes, Elasmobranchii) from the early to middle Eocene of Seymour Island, Antarctic Peninsula
		<i>Artiodus</i>	<i>Artiodus prominens</i>	新属种	否	Russia	Permian	Acta Palaeontologica Polonica	A new euselachian shark from the early Permian of the Middle Urals, Russia
		<i>Asteracanthus</i>	<i>Asteracanthus udulensis</i>	新种	否	Switzerland	Late Jurassic	Papers in Palaeontology	A new chondrichthyan fauna from the Late Jurassic of the Swiss Jura (Kimmeridgian) dominated by hybodonts, chimaeroids and guitarfishes
		<i>Bythiacanthus</i>	<i>Bythiacanthus lopesi</i>	新种	否	Brazil	Permian	Journal of South American Earth Sciences	New chondrichthyan fin spines from the Pedra de Fogo Formation, Brazil
		<i>Cypripediodens</i>	<i>Cypripediodens cristatus</i>	新属种	否	United Kingdom	Carboniferous	Proceedings of the Geologists' Association	A new janassid petalodont chondrichthyan from the Early Carboniferous of Derbyshire, UK
		<i>Echinorhinus</i>	<i>Echinorhinus maremagnum</i>	新种	否	Argentina	Late Cretaceous	Cretaceous Research	A new species of the genus Echinorhinus (Chondrichthyes, Echinorhiniformes) from the Upper Cretaceous of southern South America (Argentina-Chile)
		<i>Edaphodon</i>	<i>Edaphodon renardi</i>	新种	否	France	Miocene	Revue française de paléontologie	Des dents de requins fossiles. 4. Les chimères du Miocene de l'ouest de la France
		<i>Eodolaticus</i>	<i>Eodolaticus australis</i>	新属种	否	Antarctica	Eocene	Journal of South American Earth Sciences	Eocene squalomorph sharks (Chondrichthyes, Elasmobranchii) from Antarctica
		<i>Kallodontis</i>	<i>Kallodontis rhytstemma</i>	新属种	否	Antarctica	Eocene	Journal of Vertebrate Paleontology	New carcharhiniform sharks (Chondrichthyes, Elasmobranchii) from the early to middle Eocene of Seymour Island, Antarctic Peninsula
		<i>Kunguroodus</i>		新种	否	Kazakhstan	Early Permian	Bulletin of Geosciences	Chondrichthyan from the Lower Permian of Mechetlino, South Urals
		<i>Meridiogaleus</i>	<i>Meridiogaleus cristatus</i>	新属种	否	Antarctica	Eocene	Journal of Vertebrate Paleontology	New carcharhiniform sharks (Chondrichthyes, Elasmobranchii) from the early to middle Eocene of Seymour Island, Antarctic Peninsula

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Fishes	Cartilaginous fishes	<i>Oblidens</i>	<i>Oblidens bornholmensis</i>	新属种	否	Denmark	Early Jurassic	Bulletin of the Geological Society of Denmark	A new myriacanthid holocephalian from the Early Jurassic of Denmark		
		<i>Potamotrygon</i>	<i>Potamotrygon canaanorum</i>	新种	否	Peru	Late Oligocene-late Miocene	Geobios	Cenozoic batoids from Contamana (Peruvian Amazonia) with focus on freshwater potamotrygonins and their paleoenvironmental significance		
		<i>Potamotrygon</i>	<i>Potamotrygon contamanensis</i>	新种	否	Peru	Late Oligocene-late Miocene	Geobios	Cenozoic batoids from Contamana (Peruvian Amazonia) with focus on freshwater potamotrygonins and their paleoenvironmental significance		
		<i>Potamotrygon</i>	<i>Potamotrygon rajachloaeae</i>	新种	否	Peru	Late Oligocene-late Miocene	Geobios	Cenozoic batoids from Contamana (Peruvian Amazonia) with focus on freshwater potamotrygonins and their paleoenvironmental significance		
		<i>Pseudoapristurus</i>	<i>Pseudoapristurus nonstriatus</i>	新属种	否	Germany	Miocene	Zitteliana	A new deep-sea elasmobranch fauna from the Central Paratethys (Neuhofener Beds, Mitterdorf, near Passau, Germany, Early Miocene, Middle Burdigalian)		
		<i>Ptychotrygon</i>	<i>Ptychotrygon clementsi</i>	新属种	否	United States	Late Cretaceous	Vertebrate Anatomy Morphology Palaeontology	A late Maastrichtian selachian assemblage from the Peedee Formation of North Carolina, USA		
		<i>Rubencanthus</i>	<i>Rubencanthus diplo tuberculatus</i>	新属	否	Brazil	Permian	Journal of South American Earth Sciences	New chondrichthyan fin spines from the Pedra de Fogo Formation, Brazil		
		<i>Sphenacanthus</i>	<i>Sphenacanthus ignis</i>	新属种	否	Brazil	Permian	Journal of South American Earth Sciences	New chondrichthyan fin spines from the Pedra de Fogo Formation, Brazil		
		<i>Sulcidens</i>		新属	否	Angola	Paleocene to early Eocene	Journal of Vertebrate Palaeontology	Paleogene origin of planktivory in the Batoidea		
										Revision of Eocene electric rays (Torpediniformes, Batomorphii) from the Bolca Konservat-Lagerstätte, Italy, reveals the first fossil embryo in situ in marine batoids and provides new insights into the origin of trophic novelties in coral reef fishes	
				<i>Titanonarke</i>	<i>Titanonarke megapterygia</i>	新种	是	Italy	Eocene	Journal of Systematic Palaeontology	

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Fishes	Cartilaginous fishes	<i>Triodus</i>	<i>Triodus richterae</i>	新种	否	Brazil	Permian	Journal of South American Earth Sciences	The first Western Gondwanan species of <i>Triodus</i> Jordan 1849: A new Xenacanthiformes (Chondrichthyes) from the late Paleozoic of Southern Brazil
		<i>Aotearichthys</i>	<i>Aotearichthys vestalis</i>	新属种	否	New Zealand	Late Oligocen	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
	<i>Aphia</i>	<i>Aphia macrophthalmia</i>	新种	否	Serbia	Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies	
	<i>Aulopus</i>	<i>Aulopus costeiensis</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria	
	<i>Avitoplectus</i>	<i>Avitoplectus molaris</i>	新属种	否	India	Early Eocene	Journal of Vertebrate Paleontology	A gymnodont fish jaw with remarkable molariform teeth from the early Eocene of Gujarat, India (Teleostei, Tetraodontiformes)	
	<i>Babelichthys</i>	<i>Babelichthys olneyi</i>	新属种	否	Iran	Middle to late Eocene	PeerJ	A fossil unicorn crestfish (Teleostei, Lampridiformes, Lophotidae) from the Eocene of Iran	
	<i>Bathypterois</i>	<i>Bathypterois solidus</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria	
	<i>Benthophilus</i>	<i>Benthophilus ovisulcus</i>	新种	否	Romania	Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies	

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Fishes	Bony fishes	<i>Benthophilus</i>	<i>Benthophilus styriacus</i>	新种	否	Austria	Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies
		<i>Birgeria</i>	<i>Birgeria americana</i>	新种	否	United States	Early Triassic	Journal of Paleontology	Marine Early Triassic Actinopterygii from Elko County (Nevada, USA): implications for the Smithian equatorial vertebrate eclipse
		<i>Calaichthys</i>	<i>Calaichthys tehul</i>	新属种	否	Argentina	Middle Triassic	Papers in Palaeontology	Increasing the fish diversity of the Triassic faunas of Gondwana: a new redfieldiiform (Actinopterygii) from the Middle Triassic of Argentina and its palaeobiogeographical implications
		<i>Callanthias</i>	<i>Callanthias transylvanicus</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Candellarhynchus</i>	<i>Candellarhynchus padillai</i>	新属种	否	Colombia	Late Cretaceous	Journal of Systematic Palaeontology	A new Cretaceous dercetid fish (Neoteleostei: Auliformes) from the Turonian of Colombia
		<i>Centroberyx</i>	<i>Centroberyx worthyi</i>	新种	否	New Zealand	Late Oligocene-late Miocene	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Ceratodus</i>	<i>Ceratodus kempae</i>	新种	否	United States	Early Cretaceous	Journal of Paleontology	New Cretaceous lungfishes (Dipnoi, Ceratodontidae) from western North America
		<i>Ceratodus</i>	<i>Ceratodus kirklandi</i>	新种	否	United States	Early Cretaceous	Journal of Paleontology	New Cretaceous lungfishes (Dipnoi, Ceratodontidae) from western North America
		<i>Ceratodus</i>	<i>Ceratodus molossus</i>	新种	否	United States	Late Cretaceous	Journal of Paleontology	New Cretaceous lungfishes (Dipnoi, Ceratodontidae) from western North America

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Fishes	Bony fishes	<i>Ceratodus</i>	<i>Ceratodus nirumbee</i>	新种	否	United States	Early Cretaceous	Journal of Paleontology	New Cretaceous lungfishes (Dipnoi, Ceratodontidae) from western North America
		<i>Chilomycterus</i>	<i>Chilomycterus expectatus</i>	新种	否	Panama	Late Miocene	PLOS ONE	Neogene Proto-Caribbean porcupinefishes (Diodontidae)
		<i>Chilomycterus</i>	<i>Chilomycterus tyleri</i>	新种	否	Panama	Late Miocene	PLOS ONE	Neogene Proto-Caribbean porcupinefishes (Diodontidae)
		<i>Cornusolea</i>	<i>Cornusolea futoujii</i>	新属种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Coryphaenoides</i>	<i>Coryphaenoides biobustus</i>	新种	否	Italy	Miocene	European Journal of Taxonomy	Tortonian teleost otoliths from northern Italy: taxonomic synthesis and stratigraphic significance
		<i>Ctenosciaena</i>	<i>Ctenosciaena angusticaudata</i>	新种	否	Venezuela	Miocene	An International Journal of Paleobiology	Fish-otoliths from the early Miocene of the Castillo Formation, Venezuela: a view into the proto-Caribbean teleostean assemblages
		<i>Cyclothone</i>	<i>Cyclothone gaudanti</i>	新种	否	Greece	Miocene	Comptes Rendus Palevol	Miocene bristlemouths (Teleostei: Stomiiformes: Gonostomatidae) from the Makrilia Formation, Terapetra, Crete
		<i>Cynoclupea</i>	<i>Cynoclupea lamberti</i>	新属种	否	Brazil	Early Cretaceous	Zoological Journal of the Linnean Society	A new predatory herring-like fish (Teleostei: Clupeiformes) from the Early Cretaceous of Brazil, and implications for relationships in the Clupeiidae
		<i>Damergouia</i>	<i>Damergouia lamberti</i>	新属种	否	Niger	Late Cretaceous	Scientific Reports	A unique Cretaceous–Paleogene lineage of piranha-jawed pycnodont fishes
		<i>Diodon</i>	<i>Diodon serratus</i>	新种	否	Venezuela	Middle Miocene	PLOS ONE	Neogene Proto-Caribbean porcupinefishes (Diodontidae)
		<i>Economidichthys</i>	<i>Economidichthys altidorsalis</i>	新种	否	Venezuela	Middle Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies

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Fishes	Bony fishes	<i>Enchodus</i>	<i>Enchodus tineidae</i>	新种	否	Egypt	Late Cretaceous	Acta Palaeontologica Polonica	A new species of the neopterygian fish <i>Enchodus</i> from the Duwi Formation, Campanian, Late Cretaceous, Western Desert, central Egypt
		<i>Enophrys</i>	<i>Enophrys hoplites</i>	新种	否	Russia	Miocene	Palaeontological Journal	A new horned sculpin (Pisces: Cottidae) from the Miocene of Sakhalin Island, Russia
		<i>Eoanabas</i>	<i>Eoanabas thibetana</i>	新属种	否	China	Oligocene	Scientific Reports	Fossil climbing perch and associated plant megafossils indicate a warm and wet central Tibet during the late Oligocene
		<i>Eoserrasalmimus</i>	<i>Eoserrasalmimus cattoi</i>	新属种	否	Morocco	Late Cretaceous	Scientific Reports	A unique Cretaceous–Paleogene lineage of piranha-jawed pycnodont fishes
		<i>Esox</i>	<i>Esox nogaicus</i>	新种	否	Ukraine	Early Pleistocene	Acta Palaeontologica Polonica	A review of Neogene and Quaternary pikes of southeastern Europe and a new species from the early Pleistocene of Nogaïsk, Ukraine
		<i>Eurypleuron</i>	<i>Eurypleuron debilis</i>	新种	否	New Zealand	Late Oligocene-late Miocene	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Foreyia</i>	<i>Foreyia maxkuhni</i>	新属种	否	Switzerland	Middle Triassic	Scientific Reports	Heterochronic evolution explains novel body shape in a Triassic coelacanth from Switzerland
		<i>Gobius</i>	<i>Gobius jarosi</i>	新种	否	Czech Republic	Miocene	Journal of Systematic Palaeontology	Discovery of the oldest <i>Gobius</i> (Teleostei, Gobiiformes) from a marine ecosystem of Early Miocene age
		<i>Gonostoma</i>	<i>Gonostoma dracula</i>	新种	否	Romania	Oligocene	Bulletin of Geosciences	<i>Gonostoma dracula</i> sp. nov. (Teleostei, Gonostomatidae) from the Oligocene deposits of the Central Paratethys (Romania): earliest occurrence of the modern bristlemouths

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Fishes	Bony fishes	<i>Grimmenodon</i>	<i>Grimmenodon aureum</i>	新属种	否	Germany	Early Jurassic	Journal of Vertebrate Palaeontology	Early Jurassic diversification of pycnodontiform fishes (Actinopterygii, Neopterygii) after the end-Triassic extinction event: evidence from a new genus and species, <i>Grimmenodon aureum</i>
		<i>Gymnogobius</i>	<i>Gymnogobius oligocenicus</i>	新种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Hesperichthys</i>	<i>Hesperichthys reductus</i>	新属种	否	Serbia	Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies
		<i>Heteroconger</i>	<i>Heteroconger mataura</i>	新种	否	New Zealand	Late Oligocene	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Hippohalichthys</i>	<i>Hippohalichthys edis</i>	新属种	否	Slovenia	Middle Miocene	Annales de Paléontologie	The first known fossil record of pipehorses (Teleostei: Syngnathidae: Haliichthyinae) from the Miocene Coprolitic Horizon from the Tunjice Hills, Slovenia
		<i>Hispanamia</i>	<i>Hispanamia newbreyi</i>	新属种	否	Spain	Early Cretaceous	Zoological Journal of the Linnean Society	A new genus and species for the amirform fishes previously assigned to <i>Amiopsis</i> from the Early Cretaceous of Las Hoyas, Cuenca, Spain
		<i>Hongyu</i>	<i>Hongyu chowi</i>	新属种	否	China	Devonian	Nature Ecology & Evolution	A Devonian tetrapod-like fish reveals substantial parallelism in stem tetrapod evolution
		<i>Isadia</i>	<i>Isadia opokiensis</i>	新种	否	Russia	Late Permian	New Series	A New Species Actinopterygian from the Upper Permian of Moscow Syneclise
		<i>Italophiopsis</i>	<i>Italophiopsis derasmoi</i>	新属种	否	Italy	Early Cretaceous	Thalassia Salentina (Data Set)	<i>Italophiopsis derasmoi</i> gen. and sp. nov. (Ionoscopiformes, Italophiopsidae fam. nov.) from the Cretaceous of Pietraraja (Italy)

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		<i>Karaganops</i>		新属种	否	Bulgaria	Miocene	Swiss Journal of Palaeontology	Description of <i>Karaganops</i> n. gen. perratus (Damitshenko 1970) with otoliths in situ, an endemic Karaganian (Middle Miocene) herring (Clupeidae) in the Eastern Paratethys
		<i>Kelemejtubus</i>	<i>Kelemejtubus castroi</i>	新属种	否	Mexico	Paleocene	Journal of Vertebrate Paleontology	<i>Kelemejtubus castroi</i> , gen. et sp. nov., an ancient percormorph (Teleostei, Actinopterygii) from the Paleocene marine deposits near Palenque, Chiapas, southeastern Mexico
		<i>Knipowitschia</i>	<i>Knipowitschia bulgarica</i>	新种	否	Bulgaria	Miocene	Swiss Journal of Palaeontology	Otoliths in situ from Sarmatian (Middle Miocene) fishes of the Paratethys. Part III: tales from the cradle of the Ponto-Caspian gobies
Fishes	Bony fishes	<i>Krebsiella</i>	<i>Krebsiella chattonensis</i>	新种	否	New Zealand	Late Oligocen	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Lambeia</i>	<i>Lambeia pectinatus</i>	新属种	否	Canada	Carboniferous	Fossil Record	The lower actinopterygian fauna from the Lower Carboniferous Alberta shale formation of New Brunswick, Canada – a review of previously described taxa and a description of a new genus and species
		<i>Leptolepis</i>	<i>Leptolepis toyei</i>	新种	否	United Kingdom	Early Cretaceous	Proceedings of the Geologists' Association	<i>Leptolepis</i> otoliths from the Hauterivian (Lower Cretaceous) Lower Weald Clay (southern England)
		<i>Leptolepis</i>	<i>Leptolepis wealdensis</i>	新种	否	United Kingdom	Early Cretaceous	Proceedings of the Geologists' Association	<i>Leptolepis</i> otoliths from the Hauterivian (Lower Cretaceous) Lower Weald Clay (southern England)

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Fishes	Bony fishes	<i>Lesueurigobius</i>	<i>Lesueurigobius magniungis</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Lesueurigobius</i>	<i>Lesueurigobius stironensis</i>	新种	否	Italy	Miocene	European Journal of Taxonomy	Tortonian teleost otoliths from northern Italy: taxonomic synthesis and stratigraphic significance
		<i>Lesueurina</i>	<i>Lesueurina transoceana</i>	新种	否	New Zealand	Late Oligocen	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Liza</i>	<i>Liza brevirostris</i>	新种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Lombardichthys</i>		新属	否	Italy	Late Triassic	Journal of Vertebrate Paleontology	New Triassic teleosts (Actinopterygii, Teleostomorpha) from northern Italy and their phylogenetic relationships among the most basal teleosts
		<i>Lotella</i>	<i>Lotella latidorsalis</i>	新种	否	New Zealand	Late Oligocen	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Louckaichthys</i>	<i>Louckaichthys novosadi</i>	新属种	否	Czech Republic	Oligocene	Bulletin of Geosciences	An Oligocene toadfish (Teleostei, Percomorpha) from Moravia, Czech Republic: The earliest skeletal record for the order Batrachoidiformes
		<i>Luxembourgichthys</i>		新属	否	Belgium	Early Jurassic	Geologica Belgica	Osteology and relationships of Luxembourgichthys ("Pholidophorus") friedeni gen. nov. (Teleostei, "Pholidophoriformes") from the Lower Jurassic of Belgium and the Grand Duchy of Luxembourg

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Fishes	Bony fishes	<i>Merluccius</i>	<i>Merluccius "rattazzii"</i>	新种	否	Italy	Miocene	European Journal of Taxonomy	Tortonian teleost otoliths from northern Italy: taxonomic synthesis and stratigraphic significance
		<i>Microdesmus</i>	<i>Microdesmus paratethycus</i>	新种	否	Bulgaria	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Micropercops</i>	<i>Micropercops pomahaka</i>	新种	否	New Zealand	Late Oligocen	New Zealand Journal of Geology and Geophysics	Otoliths reveal diverse fish communities in Late Oligocene estuarine to deep-water paleoenvironments in southern Zealandia
		<i>Moldavichthys</i>		新属种	否	Moldova	Miocene	Swiss Journal of Palaeontology	Review of "Clupea humilis" from the Sarmatian of Moldova and description of <i>Moldavichthys switshenskae</i> gen. et sp. nov
		<i>Moringua</i>	<i>Moringua waimumuensis</i>	新种	否	New Zealand	Late Oligocen	Vertebrata PalAsiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early-Middle Oligocene deposits of South China
		<i>Myripristis</i>	<i>Myripristis lobata</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Namitcauda</i>	<i>Namitcauda pulvinata</i>	新属种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Nanningocyprinus</i>	<i>Nanningocyprinus wui</i>	新属种	否	China	Oligocene	Vertebrata PalAsiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early-Middle Oligocene deposits of South China
		<i>Neobythites</i>	<i>Neobythites auriculatus</i>	新种	否	Italy	Miocene	European Journal of Taxonomy	Tortonian teleost otoliths from northern Italy: taxonomic synthesis and stratigraphic significance

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Fishes	Bony fishes	<i>Neobythites</i>	<i>Neobythites lindqvisti</i>	新种	否	New Zealand	Late Oligocene	Vertebrata Palasiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early–Middle Oligocene deposits of South China
		<i>Neogobius</i>	<i>Neogobius bettinae</i>	新种	否	Ukraine	Miocene	Palaeontologia Electronica	Bessarabian (Tortonian, Late Miocene) fish otoliths from a transitional freshwater-brackish environment of Mykhailivka, Southern Ukraine
		<i>Nhanulepisosteus</i>	<i>Nhanulepisosteus mexicanus</i>	新属种	否	Mexico	Late Jurassic	Scientific Reports	Earliest known lepisosteoid extends the range of anatomically modern gars to the Late Jurassic
		<i>Nishiberyx</i>	<i>Nishiberyx nishimotoi</i>	新属种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Onychodus</i>	<i>Onychodus eriensis</i>	新属	否	Canada	Devonian	Canadian Journal of Earth Sciences	A large onychodontiform (Osteichthyes: Sarcopterygii) apex predator from the Eifelian-aged Dundee Formation of Ontario, Canada
		<i>Optivus moko</i>	<i>Optivus</i>	新种	否	New Zealand	Late Oligocene	Vertebrata Palasiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early–Middle Oligocene deposits of South China
		<i>Ortugobius</i>	<i>Ortugobius cascus</i>	新属种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Pagellus</i>	<i>Pagellus schuberti</i>	新种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Paraclupea</i>	<i>Paraclupea seilacheri</i>	新种	否	Mexico	Early Cretaceous	Revista Mexicana de Ciencias Geológicas	<i>Paraclupea seilacheri</i> sp. nov., a double armored herring (Clupeomorpha, Elinimichthyiformes) from the Albian limestones of Tlayúa quarry, Puebla, Mexico

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Fishes	Bony fishes	<i>Rhynchoconger</i>	<i>Rhynchoconger placidus</i>	新种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Rhynchoconger</i>	<i>Rhynchoconger subtilis</i>	新种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Sachajenymsia</i>	<i>Sachajenymsia pacha</i>	新属种	否	Argentina	Miocene	Papers in Palaeontology	The rise of internal fertilization in the Anablepidae (Teleostei, Cyprinodontiformes): two new genera and species from the Miocene of Tucumán, Argentina
		<i>Sagaberix</i>	<i>Sagaberix kishimaensis</i>	新属种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Saurorhynchus</i>	<i>Saurorhynchus anningae</i>	新种	是	United Kingdom	Early Jurassic	European Journal of Taxonomy	Revision of <i>Saurorhynchus</i> (<i>Actinopterygii</i> : <i>Saurichthyidae</i>) from the Early Jurassic of England and Germany
		<i>Sardinops</i>	<i>Sardinops robinsoni</i>	新种	否	New Zealand	Late Oligocene	Vertebrata Palasiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early–Middle Oligocene deposits of South China
		<i>Saurida</i>	<i>Saurida macilemta</i>	新种	否	Japan	Early Oligocene	Zitteliana	An Early Oligocene fish-fauna from Japan reconstructed from otoliths
		<i>Saurorhynchus</i>	<i>Saurorhynchus hauffi</i>	新种	是	Germany	Early Jurassic	European Journal of Taxonomy	Revision of <i>Saurorhynchus</i> (<i>Actinopterygii</i> : <i>Saurichthyidae</i>) from the Early Jurassic of England and Germany
		<i>Scalacurvichthys</i>	<i>Scalacurvichthys naishi</i>	新属种	否	Israel	Late Cretaceous	Journal of Systematic Palaeontology	A new pycnodont fish, <i>Scalacurvichthys naishi</i> gen. et sp. nov., from the Late Cretaceous of Israel
		<i>Scleropages</i>	<i>Scleropages sinensis</i>	新种	否	China	Early Eocene	Vertebrata Palasiatica	First complete fossil <i>Scleropages</i> (<i>Osteoglossomorpha</i>)
		<i>Serrasalminus</i>	<i>Serrasalminus secans</i>	新属种	否	Morocco	Paleocene	Scientific Reports	A unique Cretaceous–Paleogene lineage of piranha-jawed pycnodont fishes
		<i>Sparalepis</i>	<i>Sparalepis tingi</i>	新属种	否	China	Silurian	PLOS ONE	A new osteichthyan from the late Silurian of Yunnan, China

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Fishes	Bony fishes	<i>Subortichthys</i>	<i>Subortichthys triassicus</i>	新属种	否	China	Middle Triassic	Vertebrata PalAsiatica	A new ionoscopiform fish (Holosteii: Halecomorphi) from the Middle Triassic (Anisian) of Yunnan, China
		<i>Teffichthys</i>	<i>Teffichthys madagascariensis</i>	新属	否	Madagascar	Early Triassic	Rivista Italiana di Paleontologia e Stratigrafia	Redescription of "Perleidus" (Osteichthyes, Actinopterygii) from the Early Triassic of northwestern Madagascar
		<i>Tonganago</i>	<i>Tonganago coplandi</i>	新属种	否	New Zealand	Eocene to Miocene	Vertebrata PalAsiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early–Middle Oligocene deposits of South China
		<i>Trachyrincus</i>	<i>Trachyrincus tewaevae</i>	新种	否	New Zealand	Late Oligocene	Vertebrata PalAsiatica	Cyprinus-like pharyngeal bones and teeth (Teleostei, Cypriniformes, Cyprinidae) from the Early–Middle Oligocene deposits of South China
		<i>Tucumanableps</i>	<i>Tucumanableps cionei</i>	新属种	否	Argentina	Miocene	Papers in Palaeontology	The rise of internal fertilization in the Anableptidae (Teleostei, Cyprinodontiformes): two new genera and species from the Miocene of Tucumán, Argentina
		<i>Tugenchromis</i>	<i>Tugenchromis pickfordi</i>	新属种	否	Kenya	Late Miocene	Journal of Vertebrate Paleontology	<i>Tugenchromis pickfordi</i> , gen. et sp. nov., from the upper Miocene—a stem-group cichlid of the 'East African Radiation'
		<i>Weilerigobius</i>	<i>Weilerigobius lapugiensis</i>	新属种	否	Romania	Miocene	Cainozoic Research	A review of otoliths collected by W. Weiler from the Badenian of Romania and by B. Strashimirov from Badenian equivalents of Bulgaria
		<i>Xenoceratodus</i>	<i>Xenoceratodus labyrinthus</i>	新属种	否	Libya	Late Eocene	Gondwana Research	A Stem Lepidosireniform Lungfish (Sarcopterygia: Dipnoi) from the Upper Eocene of Libya, North Africa and implications for Cenozoic lungfish evolution
		<i>Zhongweilepis</i>	<i>Zhongweilepis macilentus</i>	新属种	否	China	Carboniferous	Acta Geoscientica Sinica	A New Genus of Palaeonisciformes from Carboniferous Strata in Ningxia

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Fishes	Bony fishes	<i>Zorzini labrus</i>	<i>Zorzini labrus furcatus</i>	新属种	否	Italy	Eocene	Studi e Ricerche Sui Giacimenti Terziari di Bolca, XVIII - Miscellanea Paleontologica	Zorzini labrus furcatus, a new genus and species of labrid fish (Perciformes) from the Eocene of Bolca in northern Italy	
		<i>Aphaneramma</i>	<i>Aphaneramma gavialimimus</i>	新种	否	Madagascar	Early Triassic	Journal of Systematic Palaeontology	A new extreme longirostrine temnospondyl from the Triassic of Madagascar: phylogenetic and palaeobiogeographical implications for trematosaurids	
Amphibians	Temnospondyls	<i>Chinlestegophis</i>	<i>Chinlestegophis jenkinsi</i>	新属种	否	United States	Late Triassic	Proceedings of the National Academy of Sciences of the United States of America	Stem caecilian from the Triassic of Colorado sheds light on the origins of Lissamphibia	
		<i>Cyclotosaurus</i>	<i>Cyclotosaurus naraserlukii</i>	新种	否	Greenland	Late Triassic	Journal of Vertebrate Paleontology	<i>Cyclotosaurus naraserlukii</i> , sp. nov., a new Late Triassic cyclostosaurid (Amphibia, Temnospondyli) from the Fleming Fjord Formation of the Jameson Land Basin (East Greenland)	
		<i>Tomia</i>	<i>Tomia witecki</i>	新属	否	Brazil	Early Triassic	Historical Biology	A capitosauroid from the Lower Triassic of South America (Sanga do Cabral Supersequence: Paraná Basin), its phylogenetic relationships and biostratigraphic implications	
		<i>Chachaiptyrynus</i>	<i>Chachaiptyrynus lynchi</i>	新属种	否	Argentina	Oligocene	Historical Biology	New clues on anuran evolution: the oldest record of an extant hyloid clade in the Oligocene of Patagonia	
		<i>Genibatrachus</i>	<i>Genibatrachus baoshanensis</i>	新属种	否	China	Early Cretaceous	American Museum Novitates	A new crown-group frog (Amphibia: Anura) from the Early Cretaceous of northeastern Inner Mongolia, China	
	Other amphibians		<i>Sanshuibatrachus</i>	<i>Sanshuibatrachus sinensis</i>	新属种	否	China	Early Eocene	Paleobiodiversity and Palaeoenvironments	A new pelobatoid frog from the lower Eocene of southern China
			<i>Spathicephalus</i>	<i>Spathicephalus marsdeni</i>	新种	否	United Kingdom	Carboniferous	Papers in Palaeontology	A new Mississippian tetrapod from Fife, Scotland, and its environmental context*

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Amphibians	Other amphibians	<i>Yumenerpeton</i>	<i>Yumenerpeton yangi</i>	新属种	否	China	Middle Permian	Acta Geologica Sinica (English Edition)	First record of bystronianid chroniosuchians (Amphibia: Anthracosauromorpha) from the Middle Permian of China
		<i>Deltadectes</i>	<i>Deltadectes elvetica</i>	新属种	否	Switzerland	Late Triassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	The Late Triassic lepidosaur fauna from Hallau, North-Eastern Switzerland, and a new 'basal' rhynchocephalian <i>Deltadectes</i> <i>elvetica</i> gen. et sp. nov
Reptiles	Rhynchocephalians	<i>Gephyrosaurus</i>	<i>Gephyrosaurus evansae</i>	新种	否	United Kingdom	Late Triassic	Zoological Journal of the Linnean Society	Late Triassic terrestrial microvertebrates from Charles Moore's "Microlestes" quarry, Holwell, Somerset, UK
		<i>Penegephyrosaurus</i>	<i>Penegephyrosaurus curtisoppi</i>	新属种	否	United Kingdom	Late Triassic	Zoological Journal of the Linnean Society	Late Triassic terrestrial microvertebrates from Charles Moore's "Microlestes" quarry, Holwell, Somerset, UK
		<i>Vadasaurus</i>	<i>Vadasaurus herzogi</i>	新属种	否	Germany	Late Jurassic	Royal Society Open Science	A new rhynchocephalian (Reptilia: Lepidosauria) from the Late Jurassic of Solnhofen (Germany) and the origin of the marine Pleurosauridae
		<i>Gaimanophis</i>	<i>Gaimanophis powelli</i>	新种	否	Argentina	Late Miocene	Comptes Rendus Palevol	A new species of <i>Gaimanophis</i> (Serpentes, Boidae) from the Miocene of northwestern Argentina with remarks on the Neogene boids of South America
		<i>Kaikaiiflu</i>	<i>Kaikaiiflu hervei</i>	新属种	否	Antarctica	Late Cretaceous	Cretaceous Research	<i>Kaikaiiflu hervei</i> gen. et sp. nov., a new large mosasaur (Squamata, Mosasauridae) from the upper Maastrichtian of Antarctica
		<i>Magnuviator</i>	<i>Magnuviator ovimonsensis</i>	新属种	否	United States	Late Cretaceous	Proceedings of the Royal Society B: Biological Sciences	A new Late Cretaceous iguanomorph from North America and the origin of New World Pleurodonta (Squamata, Iguania)
		<i>Norisophis</i>	<i>Norisophis begaa</i>	新属种	否	Morocco	Cretaceous	Cretaceous Research	A new basal snake from the mid- Cretaceous of Morocco

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Reptiles	Lizards and snakes	<i>Oardasaurus</i>	<i>Oardasaurus glyphis</i>	新属种	否	Romania	Late Cretaceous	Zoological Journal of the Linnean Society	A new family of teioid lizards from the Upper Cretaceous of Romania with notes on the evolutionary history of early teioids
		<i>Pholidoscelis</i>	<i>Pholidoscelis turnakaeraensis</i>	新种	否	France	Late Pleistocene and Holocene	Historical Biology	Evolution, diversity and interactions with past human populations of recently extinct Pholidoscelis lizards (Squamata: Teiidae) from the Guadeloupe Islands (French West- Indies)
		<i>Schoenemahl</i>	<i>Schoenemahl dyspepsia</i>	新属种	否	Germany	Late Jurassic	Zoological Journal of the Linnean Society	A new lizard (Squamata) was the last meal of Compsognathus (Theropoda: Dinosauria) and is a holotype in a holotype
		<i>Stefanikia</i>	<i>Stefanikia siderea</i>	新属种	否	Germany	Eocene	Historical Biology	Eolacertidae: a new extinct clade of lizards from the Palaeogene; with comments on the origin of the dominant European reptile group- Lacertidae
		<i>Varanus</i>	<i>Varanus mokrensis</i>	新种	否	Czech Republic	Early Miocene	Journal of Systematic Palaeontology	A new species of Varanus (Anguimorpha: Varanidae) from the early Miocene of the Czech Republic, and its relationships and palaeoecology
		<i>Yabeinosaurus</i>	<i>Yabeinosaurus bicuspidentis</i>	新种	是	China	Early Cretaceous	Cretaceous Research	A new lizard (Reptilia: Squamata) from the Lower Cretaceous Yixian Formation of China, with a taxonomic revision of Yabeinosaurus
		<i>Yabeinosaurus</i>	<i>Yabeinosaurus robustus</i>	新种	是	China	Early Cretaceous	Cretaceous Research	A new lizard (Reptilia: Squamata) from the Lower Cretaceous Yixian Formation of China, with a taxonomic revision of Yabeinosaurus
		<i>Zilantophis</i>	<i>Zilantophis schuberti</i>	新属种	否	United States	Late Hemphillian	Journal of Herpetology	Late Hemphillian Colubrid Snakes (Serpentes, Colubridae) from the Gray Fossil Site of Northeastern Tennessee

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Reptiles	Ichthyosauromorphs	<i>Gengasaurus</i>	<i>Gengasaurus nicostiai</i>	新属种	否	Italy	Late Jurassic	Geological Magazine	The first ophthalmosaurid ichthyosaur from the Upper Jurassic of the Umbrian-Marchean Apennines (Marche, Central Italy)
		<i>Keilhauia</i>	<i>Keilhauia mui</i>	新属	否	Norway	Early Cretaceous	PLOS ONE	A New Ophthalmosaurid (Ichthyosauria) from Svalbard, Norway, and Evolution of the Ichthyopterygian Pelvic Girdle
		<i>Protoichthyosaurus</i>	<i>Protoichthyosaurus applebyi</i>	新种	否	United Kingdom	Early Jurassic	Journal of Vertebrate Paleontology	The taxonomic utility of forefin morphology in Lower Jurassic ichthyosaurs: Protoichthyosaurus and Ichthyosaurus
		<i>Acostasaurus</i>	<i>Acostasaurus pavachoquensis</i>	新属种	否	Colombia	Early Cretaceous	Palaeontographica Abteilung A	Cranial anatomy of a new pliosaurid <i>Acostasaurus pavachoquensis</i> from the Lower Cretaceous of Colombia, South America
		<i>Hispaniasaurus</i>	<i>Hispaniasaurus cranioelongatus</i>	新属种	否	Spain	Middle Triassic	Historical Biology	An enigmatic marine reptile, <i>Hispaniasaurus cranioelongatus</i> (gen. et sp. nov.) with nothosauroid affinities from the Ladinian of the Iberian Range (Spain)
		<i>Lagenanectes</i>	<i>Lagenanectes richterae</i>	新属种	否	Germany	Early Cretaceous	Journal of Vertebrate Paleontology	A new basal elasmosaurid (Sauropterygia: Plesiosauria) from the Lower Cretaceous of Germany
		<i>Luskhan</i>	<i>Luskhan titlensis</i>	新属种	否	Russia	Early Cretaceous	Current Biology	Plasticity and Convergence in the Evolution of Short-Necked Plesiosaurs
		<i>Mauriciosaurus</i>	<i>Mauriciosaurus fernandezi</i>	新属种	否	Mexico	Late Cretaceous	Boletín de la Sociedad Geológica Mexicana	A new polycotyloid plesiosaur with extensive soft tissue preservation from the early Late Cretaceous of northeast Mexico
		<i>Nakonanectes</i>	<i>Nakonanectes bradti</i>	新属种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	A new elasmosaurid (Sauropterygia, Plesiosauria) from the Bearpaw Shale (Late Cretaceous, Maastrichtian) of Montana demonstrates multiple evolutionary reductions of neck length within Elasmosauridae

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Reptiles	Sauropterygians	<i>Rhaeticosaurus</i>	<i>Rhaeticosaurus mertensi</i>	新属种	否	Germany	Late Triassic	Science Advances	A Triassic plesiosaurian skeleton and bone histology inform on evolution of a unique body plan
		<i>Thaumatodracon</i>	<i>Thaumatodracon wiedenrothi</i>	新属种	否	United Kingdom	Early Jurassic	Palaeontographica Abteilung A	Thaumatodracon wiedenrothi, a morphometrically and stratigraphically intermediate new rhomaleosaurid plesiosaurian from the Lower Jurassic (Sinemurian) of Lyme Regis
	<i>Andrewsemys</i>		新属	否	Egypt	Late Eocene and early Oligocene	Historical Biology		New information and establishment of a new genus for the Egyptian Paleogene turtle "Stereoegensis" libyca (Podocnemididae, Erymnochelyinae)
	<i>Apalone</i>	<i>Apalone amorensis</i>	新种	否	United States	Miocene	Bulletin of the Florida Museum of Natural History		A new soft-shelled turtle (Trionychidae, Apalone) from the Late Miocene of north-central Florida
	<i>Cabindachelys</i>	<i>Cabindachelys landanensis</i>	新属种	否	Angola	Early Paleocene	Papers in Palaeontology		A new durophagous stem chelonid turtle from the lower Paleocene of Cabinda, Angola
	<i>Chelonoidis</i>	<i>Chelonoidis marcanoi</i>	新种	否	Dominican Republic	Late Quaternary	Zootaxa		A new species of extinct Late Quaternary giant tortoise from Hispaniola
	<i>Eocenocheilus</i>	<i>Eocenocheilus farresi</i>	新属种	否	Belgium	Eocene	Palaeontologia Electronica		The Erymnochelys group of turtles (Pleurodira, Podocnemididae) in the Eocene of Europe: New taxa and paleobiogeographical implications
	<i>Lutemys</i>	<i>Lutemys warreni</i>	新属种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology		A new chelydroid turtle, <i>Lutemys warreni</i> , gen. et sp. nov., from the Upper Cretaceous (Campanian) Kaiparowits Formation of southern Utah

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Reptiles	Turtles	<i>Mendozachehlys</i>	<i>Mendozachehlys wichmanni</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new large panchelid turtle (Pleurodira) from the Loncoche Formation (upper Campanian-lower Maastrichtian) of the Mendoza Province (Argentina): Morphological, osteohistological studies, and a preliminary phylogenetic analysis	
		<i>Perochehlys</i>	<i>Perochehlys hengshanensis</i>	新种	否	China	Early Cretaceous	Scientific Reports	Lower Cretaceous fossils from China shed light on the ancestral body plan of crown softshell turtles (Trionychidae, Cryptodira)	
		<i>Petrochehlys</i>		新属	否	Kyrgyzstan	Early Cretaceous	Journal of Systematic Palaeontology	Redescription of the skull of "Trionyx" kyrgyzensis and improved phylogenetic taxon sampling of Cretaceous and Palaeogene soft-shelled turtles (Trionychidae) of Asia, including the oldest crown trionychids	
		<i>Plesiochehlys</i>	<i>Plesiochehlys bigleri</i>	新种	否	Switzerland	Late Jurassic	PeerJ	The comparative osteology of <i>Plesiochehlys bigleri</i> n. sp., a new coastal marine turtle from the Late Jurassic of Porrentruy (Switzerland)	
		<i>Rionegrochehlys</i>	<i>Rionegrochehlys caldieroi</i>	新属种	否	Argentina	Late Cretaceous	Acta Palaeontologica Polonica	Unusual shell anatomy and osteohistology in a new Late Cretaceous panchelid turtle from northwestern Patagonia, Argentina	
		<i>Trionyx</i> "	<i>Trionyx</i> " <i>onomatoplokos</i>	新种	否	Kazakhstan	Late Cretaceous	Bulletin of the Peabody Museum of Natural History	A Review of the Fossil Record of Old World Turtles of the Clade Pan-Trionychidae	
		<i>Avicranium</i>	<i>Avicranium renesioi</i>	新属种	否	United States	Late Triassic	Royal Society Open Science	A bird-like skull in a Triassic diapsid reptile increases heterogeneity of the morphological and phylogenetic radiation of Diapsida	
		<i>Pectodens</i>	<i>Pectodens zhenyuensis</i>	新属种	否	China	Middle Triassic	Journal of Paleontology	A new diapsid from the Middle Triassic of southern China	
			Other reptiles							

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Archosaur	Pseudosuchians	<i>Turcosuchus</i>	<i>Turcosuchus okani</i>	新属种	否	Turkey	Early Cretaceous	Journal of Systematic Palaeontology	The first crocodylomorph from the Mesozoic of Turkey (Barremian of Zonguldak) and the dispersal of the eusuchians during the Cretaceous
		<i>Aepyornithomimus</i>	<i>Aepyornithomimus tugrikhinensis</i>	新属种	否	Mongolia	Late Cretaceous	Scientific Reports	First Ornithomimid (Theropoda, Ornithomimosauria) from the Upper Cretaceous Djadokhta Formation of Tögrögün Shiree, Mongolia
	<i>Afromimus</i>	<i>Afromimus tenerensis</i>	新属种	是	Niger	Early Cretaceous	Ameghiniana	Early Cretaceous ornithomimosaur (Dinosauria: Coelurosauria) from Africa	
	<i>Albertavenator</i>	<i>Albertavenator curriei</i>	新属种	否	Canada	Late Cretaceous	Canadian Journal of Earth Sciences	A new species of troodontid theropod (Dinosauria: Maniraptora) from the Horseshoe Canyon Formation (Maastrichtian) of Alberta, Canada	
	<i>Almas</i>	<i>Almas ukhaa</i>	新属种	否	Mongolia	Late Cretaceous	American Museum Novitates	Osteology of a new Late Cretaceous troodontid specimen from Ukhaa Tolgod, Ömnögovi Aimag, Mongolia	
	Non-avian dinosaurs	<i>Avimimus</i>	<i>Avimimus nemegtensis</i>	新种	否	Mongolia	Late Cretaceous	Palaeogeography, Palaeoclimatology, Palaeoecology	Oviraptorosaur anatomy, diversity and ecology in the Nemegt Basin
		<i>Beibeilong</i>	<i>Beibeilong sinensis</i>	新属种	否	China	Late Cretaceous	Nature Communications	Perinate and eggs of a giant caenagnathid dinosaur from the Late Cretaceous of central China
	<i>Bonapartesaurus</i>	<i>Bonapartesaurus rionegrensis</i>	新属种	否	Argentina	Late Cretaceous	Journal of Vertebrate Palaeontology	Bonapartesaurus rionegrensis, a new hadrosaurine dinosaur from South America: implications for phylogenetic and biogeographic relations with North America	
	<i>Borealopelta</i>	<i>Borealopelta markmitchelli</i>	新属种	否	Canada	Early Cretaceous	Current Biology	An Exceptionally Preserved Three-Dimensional Armored Dinosaur Reveals Insights into Coloration and	
	<i>Burianosaurus</i>	<i>Burianosaurus augustai</i>	新属种	否	Czech Republic	Late Cretaceous	Journal of Systematic Palaeontology	Cretaceous Predator-Prey Dynamics A basal ornithopod dinosaur from the Cenomanian of the Czech Republic	

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Archosaur	Non-avian dinosaurs	<i>Chenanisaurus</i>	<i>Chenanisaurus barbaricus</i>	新属种	否	Morocco	Late Cretaceous	Cretaceous Research	An abelisaurid from the latest Cretaceous (late Maastrichtian) of Morocco, North Africa
		<i>Choconsaurus</i>	<i>Choconsaurus baileywillisi</i>	新属种	否	Argentina	Late Cretaceous	Ameghiniana	A new titanosaur sauropod from the Upper Cretaceous of Patagonia, Neuquén Province, Argentina
		<i>Corythoraptor</i>	<i>Corythoraptor jacobsi</i>	新属种	否	China	Late Cretaceous	Scientific Reports	High diversity of the Ganzhou oviraptorid fauna increased by a new "cassowary-like" crested species
		<i>Daliansaurus</i>	<i>Daliansaurus liaoningensis</i>	新属种	否	China	Early Cretaceous	Acta Geologica Sinica (English Edition)	A new troodontid dinosaur from the Lower Cretaceous Yixian Formation of Liaoning Province, China
		<i>Daspletosaurus</i>	<i>Daspletosaurus horneri</i>	新种	否	United States	Late Cretaceous	Scientific Reports	A new tyrannosaur with evidence for anagenesis and crocodile-like facial sensory system
		<i>Europatitan</i>	<i>Europatitan eastwoodi</i>	新属种	否	Spain	Early Cretaceous	PeerJ	Europatitan eastwoodi, a new sauropod from the lower Cretaceous of Iberia in the initial radiation of somphospondylans in Laurasia
		<i>Galeamopus</i>	<i>Galeamopus pabsti</i>	新种	否	United States	Late Jurassic	PeerJ	Osteology of Galeamopus pabsti sp. nov. (Sauropoda: Diplodocidae), with implications for neurocentral closure timing, and the cervico-dorsal transition in diplodocids
		<i>Halszkaraptor</i>	<i>Halszkaraptor escuilliei</i>	新属种	否	Mongolia	Late Cretaceous	Nature	Synchrotron scanning reveals amphibious ecomorphology in a new clade of bird-like dinosaurs
		<i>Isaberrysaura</i>	<i>Isaberrysaura mollensis</i>	新属种	否	Argentina	Middle Jurassic	Scientific Reports	A new primitive Neornithischian dinosaur from the Jurassic of Patagonia with gut contents
		<i>Jianianhualong</i>	<i>Jianianhualong tengi</i>	新属种	否	China	Early Cretaceous	Nature Communications	Mosaic evolution in an asymmetrically feathered troodontid dinosaur with transitional features
<i>Laiyangosaurus</i>	<i>Laiyangosaurus youngi</i>	新属种	否	China	Late Cretaceous	Anais da Academia Brasileira de Ciências	A new saurolophine hadrosaurid (Dinosauria: Ornithopoda) from the Upper Cretaceous of Shandong, China		

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Archosaur	Non-avian dinosaurs	<i>Latenivenatrix</i>	<i>Latenivenatrix mcmasterae</i>	新属种	否	Canada	Late Cretaceous	Canadian Journal of Earth Sciences	Troodontids (Theropoda) from the Dinosaur Park Formation, Alberta, with a description of a unique new taxon: implications for deinonychosaur diversity in North America
		<i>Liaoningvenator</i>	<i>Liaoningvenator curriei</i>	新属种	否	China	Early Cretaceous	Acta Geoscientica Sinica	A New Troodontid Dinosaur (<i>Liaoningvenator curriei</i> gen. et sp. nov.) from the Early Cretaceous Yixian Formation in Western Liaoning Province
		<i>Lucianovenator</i>	<i>Lucianovenator bonoi</i>	新属种	否	Argentina	Late Triassic	Ameghiniana	A late Norian-Rhaetian coelophysid neotheropod (<i>Dinosauria</i> , <i>Saurischia</i>) from the Quebrada del Barro Formation, northwestern Argentina
		<i>Matheronodon</i>	<i>Matheronodon provincialis</i>	新属种	否	France	Late Cretaceous	Scientific Reports	Extreme tooth enlargement in a new Late Cretaceous rhabdodontid dinosaur from Southern France
		<i>Mierasaurus</i>	<i>Mierasaurus bobyoungi</i>	新属种	否	United States	Early Cretaceous	Scientific Reports	Descendants of the Jurassic turiasaurs from Iberia found refuge in the Early Cretaceous of western USA
		<i>Moabosaurus</i>	<i>Moabosaurus utahensis</i>	新属种	否	United States	Early Cretaceous	Contributions from the Museum of Paleontology	<i>Moabosaurus utahensis</i> , n. gen., n. sp., a new sauropod from the Early Cretaceous (Aptian) of North America
		<i>Ostromia</i>	<i>Ostromia crassipes</i>	新属	否	Germany	Late Jurassic	BMC Evolutionary Biology	Re-evaluation of the Haarlem Archaeopteryx and the radiation of maniraptoran theropod dinosaurs
		<i>Pandoravenator</i>	<i>Pandoravenator fernandezorum</i>	新属种	否	Argentina	Late Jurassic	Ameghiniana	A theropod dinosaur from the Late Jurassic Cañadón Calcáreo Formation of central Patagonia, and the evolution of the theropod tarsus
		<i>Patagotitan</i>	<i>Patagotitan mayorum</i>	新属种	否	Argentina	Early Cretaceous	Proceedings of the Royal Society	A new giant titanosaur sheds light on body mass evolution among sauropod dinosaurs

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Archosaur	Non-avian dinosaurs	<i>Powelhvenator</i>	<i>Powelhvenator podocitus</i>	新属种	否	Argentina	Late Triassic	Ameghiniana	A new early coelophysoid neotheropod from the Late Triassic of northwestern Argentina
		<i>Serikornis</i>	<i>Serikornis sungei</i>	新属种	否	China	Late Jurassic	The Science of Nature	A new Jurassic theropod from China documents a transitional step in the macrostructure of feathers
		<i>Shingopana</i>	<i>Shingopana songwensis</i>	新属种	否	Tanzania	Cretaceous	Journal of Vertebrate Paleontology	The second titanosaurian (Dinosauria: Sauropoda) from the middle Cretaceous Galula Formation, southwestern Tanzania, with remarks on African titanosaurian diversity
		<i>Shuangbaisaurus</i>	<i>Shuangbaisaurus anlongbaensis</i>	新属种	否	China	Early Jurassic	Vertebrata Palasiatica	A new crested theropod dinosaur from the Early Jurassic of Yunnan Province, China
		<i>Soriatitan</i>	<i>Soriatitan golmayensis</i>	新属种	否	Spain	Early Cretaceous	Cretaceous Research	A new Brachiosauridae sauropod dinosaur from the lower Cretaceous of Europe (Soria Province, Spain)
		<i>Tarchia</i>	<i>Tarchia teresae</i>	新种	否	Mongolia	Late Cretaceous	Cretaceous Research	The cranial morphology and taxonomic status of Tarchia (Dinosauria: Ankylosauridae) from the Upper Cretaceous of Mongolia
		<i>Teihivenator</i>	<i>Teihivenator macropus</i>	新属	否	United States	Late Cretaceous	Journal of Zoological and Bioscience Research	Teihivenator gen. nov., a new generic name for the tyrannosauroid dinosaur "Laelaps" macropus (Cope, 1868; preoccupied by Koch, 1836)
		<i>Tengrisaurus</i>	<i>Tengrisaurus starkovi</i>	新属种	否	Russia	Early Cretaceous	Biological Communications	A new lithostrotian titanosaur (Dinosauria, Sauropoda) from the Early Cretaceous of Transbaikalia, Russia
		<i>Triunfosaurus</i>	<i>Triunfosaurus leonardii</i>	新属种	是	Brazil	Early Cretaceous	Journal of South American Earth Sciences	A new basal titanosaur (Dinosauria, Sauropoda) from the Lower Cretaceous of Brazil
		<i>Youivria</i>	<i>Youivria damparisensis</i>	新属种	否	France	Late Jurassic	PeerJ	The earliest known titanosauriform sauropod dinosaur and the evolution of Brachiosauridae

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Archosaur	Non-avian dinosaurs	<i>Xingxiulong</i>	<i>Xingxiulong chengi</i>	新属种	否	China	Early Jurassic	Scientific Reports	A new basal sauropodiform dinosaur from the Lower Jurassic of Yunnan Province, China
		<i>Yehuecauhceratops</i>	<i>Yehuecauhceratops mudei</i>	新属种	否	Mexico	Late Cretaceous	Journal of South American Earth Sciences	Mexican ceratopsids: Considerations on their diversity and evolution
		<i>Zhongjianosaurus</i>	<i>Zhongjianosaurus yangi</i>	新属种	否	China	Early Cretaceous	Vertebrata Palasiatica	A new tiny dromaeosaurid dinosaur from the Lower Cretaceous Jehol Group of western Liaoning and niche differentiation among the Jehol dromaeosaurids
		<i>Zhuchengitan</i>	<i>Zhuchengitan zangjiazhuangensis</i>	新属种	否	China	"Late Cretaceous"	Geological Bulletin of China	A new titanosaurian sauropod from the Late Cretaceous strata of Shandong Province
		<i>Zuoyunlong</i>	<i>Zuoyunlong huangi</i>	新属种	否	China	Late Cretaceous	An International Journal	A second hadrosauroid dinosaur from the early Late Cretaceous of Zuoyun, Shanxi Province, China
		<i>Zuul</i>	<i>Zuul crurivastator</i>	新属种	否	United States	Late Cretaceous	Royal Society Open Science	A new ankylosaurine dinosaur from the Judith River Formation of Montana, USA, based on an exceptional skeleton with soft tissue preservation
		<i>Aprosdokitos</i>	<i>Aprosdokitos mikrotero</i>	新属种	否	Antarctica	Eocene	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	<i>Aprosdokitos mikrotero</i> gen. et sp. nov., the tiniest Sphenisciformes that lived in Antarctica during the Paleogene
		<i>Awengkere</i>	<i>Awengkere magnanatis</i>	新属种	否	Australia	Late Miocene	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	A review of the smaller birds from the late Miocene Alcoota local faunas of Australia with a description of a new anatid species
		<i>Bubo</i>	<i>Bubo ibericus</i>	新种	是	Spain	Early Pleistocene	Historical Biology	A revision of fossil eagle owls (Aves: Strigiformes: <i>Bubo</i>) from Europe and the description of a new species, <i>Bubo ibericus</i> , from Cal Guardiola (NE Iberian Peninsula)
		<i>Chupkaornis</i>	<i>Chupkaornis keraorum</i>	新属种	否	Japan	Late Cretaceous	Journal of Systematic Palaeontology	The oldest Asian hesperornithiform from the Upper Cretaceous of Japan, and the phylogenetic reassessment of Hesperornithiformes

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Archosaur	Birds	<i>Colaptes</i>	<i>Colaptes naroskyi</i>	新种	否	Argentina	Early-Late Pleistocene - Early-Mid Pleistocene	Ornitologia Neotropical	Nueva especie del género <i>Colaptes</i> (Aves, Piciformes) para el Pleistoceno de la Región Pampaneana, Argentina
		<i>Crexica</i>	<i>Crexica crexica</i>	新属种	否	Russia	Late Miocene	Palaeobiodiversity and Palaeoenvironments	Late Miocene rails (Aves: Rallidae) from southwestern Russia
		<i>Cruralispennia</i>	<i>Cruralispennia multidentata</i>	新属种	否	China	Early Cretaceous	Nature Communications	A bizarre Early Cretaceous enantiornithine bird with unique crural feathers and an ornithuromorph plough-shaped pygostyle
		<i>Deliafaphs</i>	<i>Deliafaphs zealandensis</i>	新属种	否	New Zealand	Early Miocene	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	The diversity of early Miocene pigeons (Columbidae) in New Zealand
		<i>Diomedavus</i>	<i>Diomedavus knapptonensis</i>	新属种	否	United States	Late Oligocene	The Auk	Oligocene and Miocene albatross fossils from Washington State (USA) and the evolutionary history of North Pacific Diomedidae
		<i>Eoclitiffia</i>	<i>Eoclitiffia primaeva</i>	新属种	否	Namibia	Eocene	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	New data on stem group Galliformes, Charadriiformes, and Psittaciformes from the middle Eocene of Namibia
		<i>Garrimalga</i>	<i>Garrimalga mcnamarai</i>	新属种	否	Australia	Pleistocene	Royal Society Open Science	Taxonomic review of the late Cenozoic megapodes (Galliformes: Megapodiidae) of Australia
		<i>Junornis</i>	<i>Junornis houi</i>	新属种	否	China	Early Cretaceous	PLOS ONE	Flight aerodynamics in enantiornithines: Information from a new Chinese Early Cretaceous bird
		<i>Kumimanu</i>	<i>Kumimanu biceae</i>	新属种	否	New Zealand	Paleocene	Nature Communications	A Paleocene penguin from New Zealand substantiates multiple origins of gigantism in fossil Sphenisciformes
		<i>Latagallina</i>	<i>Latagallina olsoni</i>	新属种	否	Australia	Early to Late Pleistocene	Royal Society Open Science	Taxonomic review of the late Cenozoic megapodes (Galliformes: Megapodiidae) of Australia

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		<i>Leucocarbo</i>	<i>Leucocarbo septentrionalis</i>	新种	否	New Zealand	Holocene	Molecular Phylogenetics and Evolution	Speciation, range contraction and extinction in the endemic New Zealand King Shag complex
		<i>Maaqwi</i>	<i>Maaqwi cascadenis</i>	新属种	否	Canada	Late Cretaceous	PLOS ONE	Maaqwi cascadenis: A large, marine diving bird (Avialae: Ornithurae) from the Upper Cretaceous of British Columbia, Canada
		<i>Macranhinga</i>	<i>Macranhinga ameghinoi</i>	新种	否	Argentina	Miocene	Historical Biology	New anhingid (Aves, Suliformes) from the middle Miocene of Río Negro province, Patagonia, Argentina
		<i>Microenantiornis</i>	<i>Microenantiornis vulgaris</i>	新属种	否	China	Early Cretaceous	Global Geology	Discovery of a new enantiornithine bird from Lower Cretaceous of western Liaoning, China
		<i>Miocartama</i>	<i>Miocartama patagonica</i>	新属种	否	Argentina	Early Miocene	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	The systematic affinities of the putative seriema <i>Noriegavis santacruensis</i> (Noriega et al., 2009) from the Miocene of Argentina
Archosaur	Birds	<i>Miohypotaenidia</i>	<i>Miohypotaenidia tanaisensis</i>	新属种	否	Russia	Late Miocene	Palaeobiodiversity and Palaeoenvironments	Late Miocene rails (Aves: Rallidae) from southwestern Russia
		<i>Opisthodactylus</i>	<i>Opisthodactylus kirchneri</i>	新种	否	Argentina	Late Miocene	Journal of Vertebrate Paleontology	A new species of <i>Opisthodactylus</i> Ameghino, 1891 (Aves, Rheidae), from the late Miocene of northwestern Argentina, with implications for the paleobiogeography and phylogeny of rheas
		<i>Pampagyps</i>	<i>Pampagyps imperator</i>	新属种	否	Argentina	Lujanian	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	A new large Cathartidae from the Quaternary of Argentina, with a review of the fossil record of condors in South America
		<i>Piscivorenantiornis</i>	<i>Piscivorenantiornis inusitatus</i>	新属种	否	China	Early Cretaceous	Journal of Vertebrate Paleontology	A morphological study of the first known piscivorous enantiornithine bird from the Early Cretaceous of China
		<i>Progura</i>	<i>Progura campestris</i>	新种	否	Australia	Pleistocene	Royal Society Open Science	Taxonomic review of the late Cenozoic megapodes (Galliformes: Megapodiidae) of Australia

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Archosaur	Birds	<i>Pyrrhula</i>	<i>Pyrrhula crassa</i>	新种	否	Azores	Holocene	Zootaxa	A new extinct species of large bullfinch (Aves: Fringillidae: Pyrrhula) from Graciosa Island (Azores, North Atlantic Ocean)	
		<i>Sylvosimadaravis</i>	<i>Sylvosimadaravis Sylvioidea</i>	新属	是	Sylvioidea	Late Miocene	Contribuciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"	The Revised Avian Fauna of Rudabánya (Hungary, Late Miocene)	
		<i>Tsidiyazhi</i>	<i>Tsidiyazhi abini</i>	新属种	否	United States	Early Paleocene	Proceedings of the National Academy of Sciences of the United States of America	Early Paleocene landbird supports rapid phylogenetic and morphological diversification of crown birds after the K–Pg mass extinction	
		<i>Vanolimicola</i>	<i>Vanolimicola longihallucis</i>	新属种	否	Germany	Early Eocene	Annales de Paléontologie	A small, "wader-like" bird from the Early Eocene of Messel (Germany)	
		<i>Almuehlopterus</i>		新属	否	Germany	Late Jurassic	New Perspectives on Pterosaur Palaeobiology. The Geological Society of London	The taxonomy and phylogeny of <i>Diocephalus kochi</i> (Wagner, 1837) and <i>Germanodactylus rhamphastinus</i> (Wagner, 1851)	
	Pterosaurs		<i>Argentinar Draco</i>	<i>Argentinar Draco barrealensis</i>	新属种	否	Argentina	Late Cretaceous	Anais da Academia Brasileira de Ciências	New azhdarchoid pterosaur (Pterosauria, Pterodactyloidea) with an unusual lower jaw from the Portezuelo Formation (Upper Cretaceous), Neuquén Group, Patagonia, Argentina
			<i>Douzhanopterus</i>	<i>Douzhanopterus zhengi</i>	新属种	否	China	Late Jurassic	Scientific Reports	New evidence from China for the nature of the pterosaur evolutionary transition
			<i>Liaodactylus</i>	<i>Liaodactylus primus</i>	新属种	否	China	Late Jurassic	Royal Society Open Science	Earliest filter-feeding pterosaur from the Jurassic of China and ecological evolution of Pterodactyloidea
			<i>Serradraco</i>	<i>Serradraco sagittirostris</i>	新属	否	United Kingdom	Early Cretaceous	New Perspectives on Pterosaur Palaeobiology. The Geological Society of London	A new pterosaur specimen from the Upper Tunbridge Wells Sand Formation (Cretaceous, Valanginian) of southern England and a review of <i>Lonchodectes sagittirostris</i> (Owen 1874)

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Synapsids	Non-mammalian synapsids	<i>Ophiodostoma</i>	<i>Ophiodostoma tatarinovi</i>	新属种	否	South Africa	Permian	PeerJ	New whatsioids (Therapsida: Therocephalia) from the Teekloof Formation of South Africa and therocephalian diversity during the end-Guadalupian extinction
		<i>Parasuminia</i>	<i>Parasuminia ivakhnenkoi</i>	新属种	否	Russia	Permian	Paleontological Journal	A new Galeopid (Anomodontia, Galeopidae) from the Permian of Eastern Europe
		<i>Scalenodon</i>	<i>Scalenodon ribeiroae</i>	新种	否	Brazil	Triassic	Palaeontology	A new gomphodont cynodont (Traversodontidae) from the Middle-Late Triassic Dinodontosaurus Assemblage Zone of the Santa Maria Supersequence, Brazil
		<i>Shartegodon</i>	<i>Shartegodon altai</i>	新属种	否	Mongolia	Late Jurassic	American Museum Novitates	Two new tritylodontids (Synapsida, Cynodontia, Mammalianomorpha) from the Upper Jurassic, southwestern Mongolia
		<i>Shiguaignathus</i>	<i>Shiguaignathus wangi</i>	新属种	否	China	Late Permian	PeerJ	The tetrapod fauna of the upper Permian Naobaogou Formation of China: 1. <i>Shiguaignathus wangi</i> gen. et sp. nov., the first akidnognathid therocephalian from China
		<i>Anatoliadelphys</i>	<i>Anatoliadelphys maasae</i>	新属种	否	Turkey	Lutetian	PLOS ONE	Skeleton of an unusual, cat-sized marsupial relative (Metatheria: Marsupialiformes) from the middle Eocene (Lutetian: 44-43 million years ago) of Turkey
		<i>Barinya</i>	<i>Barinya kujamarpensis</i>	新种	否	Australia	Miocene	Alcheringa: An Australasian Journal of Palaeontology	A new Miocene carnivorous marsupial, <i>Barinya kujamarpensis</i> (Dasyuromorpha), from central Australia
		<i>Perameles</i>	<i>Perameles wilkinsonorum</i>	新种	否	Australia	Pliocene	Journal of Vertebrate Paleontology	A review of the Pliocene bandicoots of Australia, and descriptions of new genus and species
		<i>Silvicultror</i>	<i>Silvicultror tedfordi</i>	新属种	否	Australia	Pliocene	Journal of Vertebrate Paleontology	A review of the Pliocene bandicoots of Australia, and descriptions of new genus and species

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Synapsids	Metatherians	<i>Wakaleo</i>	<i>Wakaleo schouteni</i>	新种	是	Australia	Late Oligocene and early Miocene	Journal of Systematic Palaeontology	A new Oligo-Miocene marsupial lion from Australia and revision of the family Thylacoleonidae
		<i>Baraguatherium</i>	<i>Baraguatherium takumara</i>	新属种	否	Venezuela	Early Miocene	Journal of Mammalian Evolution	<i>Baraguatherium takumara</i> , gen. et sp. nov., the earliest mylodontoid sloth (early Miocene) from northern South America
	<i>Epipeltephilus</i>	<i>Epipeltephilus caraguensis</i>	新种	否	Chile	Late Miocene	Journal of South American Earth Sciences	Journal of South American Earth Sciences	Peltephilidae and Mesotheriidae (Mammalia) from late Miocene strata of Northern Chilean Andes, Caragua
	<i>Eutatus</i>	<i>Eutatus crispianii</i>	新种	否	Argentina	Lujanian	Palaeontologia Electronica	Palaeontologia Electronica	A new species of <i>Eutatus</i> Gervais (<i>Xenarthra</i> , Dasypodidae) from the Late Pleistocene of the Northern Pampean Region, Argentina
	<i>Lumbreratherium</i>	<i>Lumbreratherium oblitum</i>	新属种	否	Argentina	Eocene	Journal of Mammalian Evolution	Journal of Mammalian Evolution	A New Eocene Dasypodid with Caniniforms (Mammalia, <i>Xenarthra</i> , Cingulata) from Northwest Argentina
	<i>Nohochichak</i>	<i>Nohochichak xibalbakah</i>	新属种	否	Mexico	Late Pleistocene	Journal of Vertebrate Paleontology	Journal of Vertebrate Paleontology	A new genus of megalonychid ground sloth (Mammalia, <i>Xenarthra</i>) from the late Pleistocene of Quintana Roo, Mexico
	<i>Panochthus</i>	<i>Panochthus hipsilis</i>	新种	否	Bolivia	Pleistocene	Historical Biology	Historical Biology	A new species of <i>Panochthus</i> Burmeister (<i>Xenarthra</i> , Cingulata, Glyptodontidae) from the Pleistocene of the Eastern Cordillera, Bolivia
	<i>Proeocoleophorus</i>	<i>Proeocoleophorus carlinii</i>	新属种	否	Brazil	Probably late middle Eocene	Journal of Mammalian Evolution	Journal of Mammalian Evolution	A New South American Paleogene Land Mammal Fauna, Guabirota Formation (Southern Brazil)
	<i>Ronwolffia</i>	<i>Ronwolffia pacifica</i>	新属种	否	Bolivia	Late Oligocene	Bulletin of the Peabody Museum of Natural History	Bulletin of the Peabody Museum of Natural History	New early diverging cingulate (<i>Xenarthra</i> : Peltephilidae) from the Late Oligocene of Bolivia and considerations regarding the origin of crown <i>Xenarthra</i>

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Synapsids	Xenarthrans	<i>Xibalbaonyx</i>	<i>Xibalbaonyx oviceps</i>	新属种	否	Mexico	Late Pleistocene	PalZ	Xibalbaonyx oviceps, a new megalonychid ground sloth (Folivora, Xenarthra) from the Late Pleistocene of the Yucatán Peninsula, Mexico, and its paleobiogeographic significance
		<i>Zacatzontli</i>	<i>Zacatzontli tecolotlanensis</i>	新属种	否	Mexico	Late Miocene	Journal of Paleontology	Increased xenarthran diversity of the Great American Biotic Interchange: a new genus and species of ground sloth (Mammalia, Xenarthra, Megalonychidae) from the Hemphillian (late Miocene) of Jalisco, Mexico
	Afrotherians	<i>Gomphotherium</i>	<i>Gomphotherium tassyi</i>	新种	否	China	Late middle Miocene	Journal of Vertebrate Paleontology	A new species of Gomphotherium (Proboscidea, Mammalia) from China and the evolution of Gomphotherium in Eurasia
		<i>Italosiren</i>	<i>Italosiren bellunensis</i>	新属	否	Italy	Oligocene (late)	Acta Palaeontologica Polonica	Morphological and systematic re-assessment of the late Oligocene “Halitherium” bellunense reveals a new crown group genus of Sirenia
		<i>Kaupitherium</i>	<i>Kaupitherium gruelli</i>	新属种	否	Belgium	Oligocene	Journal of Paleontology	Evidence for two sympatric sirenian species (Mammalia, Tethytheria) in the early Oligocene of Central Europe
		<i>Libysiren</i>	<i>Libysiren sickenbergi</i>	新属种	否	Libya	Eocene	Journal of Vertebrate Paleontology	<i>Libysiren sickenbergi</i> , gen. et sp. nov.: a new sirenian (Mammalia, Protosirenidae) from the middle Eocene of Libya
		<i>Tetralophodon</i>	<i>Tetralophodon euryrostris</i>	新种	否	China	Late Miocene	Palaeoworld	A new species of <i>Tetralophodon</i> from the Linxia Basin and the biostratigraphic significance of <i>tetralophodont gomphotheres</i> from the Upper Miocene of northern China

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Synapsids	Bats	<i>Amazonomycteris</i>	<i>Amazonomycteris divisus</i>	新属种	否	Brazil	Late Miocene	Contributions in Science	Late Miocene Bats from the Jurua River, State of Acre, Brazil, with a Description of a New Genus of Thyropteridae (Chiroptera, Mammalia)
		<i>Myotis</i>	<i>Myotis belgicus</i>	新种	否	Belgium	Oligocene	PLOS ONE	33 million year old Myotis (Chiroptera, Vespertilionidae) and the rapid global radiation of modern bats
		<i>Pipistrellus</i>	<i>Pipistrellus rouresi</i>	新种	否	Spain	Late Miocene	Historical Biology	Bats from the classical site of Venta del Moro (Late Miocene, Eastern Spain)
		<i>Rhinolophus</i>	<i>Rhinolophus antonioi</i>	新种	否	Spain	Late Miocene	Historical Biology	Bats from the classical site of Venta del Moro (Late Miocene, Eastern Spain)
		<i>Xylomycteris</i>	<i>Xylomycteris stenodon</i>	新属种	否	France	Eocene	Historical Biology	A new archaic bat (Chiroptera: Archaeonycteridae) from an Early Eocene forest in the Paris Basin
		<i>Haringtonhippus</i>	<i>Haringtonhippus francisci</i>	新属	否	Canada	Pleistocene	eLife	A new genus of horse from Pleistocene North America
		<i>Lophiohippus</i>	<i>Lophiohippus yunnanensis</i>	新属	否	China	Eocene	Palaeontology	Eocene Pachynolophinae (Perissodactyla, Palaeotheriidae) from China, and their palaeobiogeographical implications
		<i>Orolophus</i>		新属	否	France	Eocene	Palaeovertebrata	Critical comments on the genus Propachynolophus Lemoine, 1891 (Mammalia, Perissodactyla, Equoidea)
		<i>Paraceratherium</i>	<i>Paraceratherium huangheense</i>	新种	否	China	Early Oligocene	Vertebrata Palasiatica	New fossils of paraceratheres (Perissodactyla, Mammalia) from the Early Oligocene of the Lanzhou Basin, Gansu Province, China
		<i>Ptilolophus</i>	<i>Ptilolophus quesnoyensis</i>	新种	否	France	Early Eocene	Historical Biology	A primitive perissodactyl (Mammalia) from the early Eocene of Le Quesnoy (MP7, France)

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Synapsids	Odd-toed ungulates	<i>Samburuceros</i>	<i>Samburuceros ishidai</i>	新属种	否	Kenya	Late Miocene	Geobios	A new <i>Elasmotheriini</i> (<i>Perissodactyla</i> , <i>Rhinocerotidae</i>) from the upper Miocene of Samburu Hills and Nakali, northern Kenya
		<i>Afrotragus</i>		新属	否	Kenya	Miocene	Journal of Systematic Palaeontology	A reassessment of the Bovidae (Mammalia) from the Nawata Formation of Lothagam, Kenya, and the late Miocene diversification of the family in Africa
	<i>Archaeopotamus</i>	<i>Archaeopotamus qeshita</i>	新种	否	United Arab Emirates	Late Miocene	Palaeovertebrata		A new species of hippopotamine (<i>Cetartiodactyla</i> , <i>Hippopotamidae</i>) from the late Miocene Baynunah Formation, Abu Dhabi, United Arab Emirates
	<i>Beatragus</i>	<i>Beatragus vrbae</i>	新种	否	Ethiopia	Late Pliocene	Journal of Vertebrate Paleontology		Late Pliocene Bovidae from Ledi-Geraru (Lower Awash Valley, Ethiopia) and their implications for Afar paleoecology
	<i>Bubalus</i>	<i>Bubalus grovesi</i>	新种	否	Indonesia	Late Pleistocene-Holocene	Quaternary Science Reviews		A new extinct dwarfed buffalo from Sulawesi and the evolution of the subgenus <i>Anoa</i> : An interdisciplinary perspective
	<i>Choeromorus</i>	<i>Choeromorus ibericus</i>	新种	是	France	Miocene	Münchner Geowissenschaftliche Abhandlungen Reihe A: Geologie und Paläontologie		Revision of "peccary-like" <i>Suoidea</i> (<i>Artiodactyla</i> : Mammalia) from the Neogene of the Old World
	<i>Choeromorus</i>	<i>Choeromorus petersbuchensis</i>	新种	是	Germany	Miocene	Münchner Geowissenschaftliche Abhandlungen Reihe A: Geologie und Paläontologie		Revision of "peccary-like" <i>Suoidea</i> (<i>Artiodactyla</i> : Mammalia) from the Neogene of the Old World
	<i>Chororatherium</i>	<i>Chororatherium roobii</i>	新属种	否	Ethiopia	Late Miocene	Journal of Vertebrate Paleontology		Basal hippopotamines from the upper Miocene of Chorora, Ethiopia
	<i>Decennatherium</i>	<i>Decennatherium rex</i>	新种	否	Spain	Miocene	PLOS ONE		A new giraffid (Mammalia, Ruminantia, Pecora) from the late Miocene of Spain, and the evolution of the sivathere-samothere lineage

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Synapsids	Even-toed ungulates	<i>Grevenobos</i>	<i>Grevenobos antiquus</i>	新属种	否	Greece	Late Pliocene	Quaternary International	The Late Pliocene Bovidae and Cervidae (Mammalia) of Milia (Grevna, Macedonia, Greece)
		<i>Merycobunodon</i>	<i>Merycobunodon walshi</i>	新种	否	United States	Ujintan	Palaentologia Electronica	Mammals from the earliest Ujintan (middle Eocene) Turtle Bluff Member, Bridger Formation, southwestern Wyoming, USA, Part 2: Apatotheria, Lipotyphla, Carnivoramorpha, Condylartha, Dinocerata, Perissodactyla and Artiodactyla
		<i>Micromeryx</i>	<i>Micromeryx eiseleri</i>	新种	否	Germany	Miocene	PLOS ONE	A new moschid species from Steinheim am Albuch, Germany, and the first comprehensive description of moschid cranial material from the Miocene of Central Europe
		<i>Muknalia</i>	<i>Muknalia minima</i>	新属种	否	Mexico	Probably latest Pleistocene	Journal of South American Earth Sciences	A new fossil peccary from the Pleistocene-Holocene boundary of the eastern Yucatán Peninsula, Mexico
		<i>Paalitherium</i>	<i>Paalitherium gurki</i>	新属种	否	Pakistan	Oligocene	Journal of Asian Earth Sciences	A new assemblage of stem pecoran ruminants from the Oligocene Chitarwata Formation, Bugti Hills, Baluchistan, Pakistan: paleoenvironmental and paleobiogeographic implications
		<i>Parabos</i>	<i>Parabos savelisi</i>	新种	否	Greece	Pliocene	Quaternary International	The Pliocene Artiodactyla and Proboscidea (Mammalia) from Gephyra (lower Axios valley, Macedonia, Greece). Discovery of a new boselaphine
		<i>Praeclaphus</i>	<i>Praeclaphus australorientalis</i>	新种	否	Romania	Early Pliocene	Neues Jahrbuch für Geologie und Paläontologie-Abhandlungen	Description of a new deer species (Cervidae, Mammalia) from the Early Pliocene of Eastern Europe, with a review of early dispersals and palaeobiogeography of the subfamily Cervinae

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Synapsids	Even-toed ungulates	<i>Protherohyus</i>		新属	否	Mexico	Hemphillian	Journal of Mammalian Evolution	Phylogenetic Systematics of Peccaries (Tayassuidae: Artiodactyla) and a Classification of South American Tayassuids	
		<i>Siderochoertus</i>	<i>Siderochoertus minimus</i>	新属种	是	Germany	Miocene	Münchner Geowissenschaftliche Abhandlungen Reihe A: Geologie und Paläontologie	Revision of “peccary-like” Suoidea (Artiodactyla: Mammalia) from the Neogene of the Old World	
		<i>Turkanatragus</i>	<i>Turkanatragus marymuunguae</i>	新属种	否	Kenya	Miocene	Journal of Systematic Palaeontology	A reassessment of the Bovidae (Mammalia) from the Nawata Formation of Lothagam, Kenya, and the late Miocene diversification of the family in Africa	
	Cetaceans		<i>Urmiaotherium</i>	<i>Urmiaotherium kassandriensis</i>	新种	否	Greece	Late Miocene	PalZ	A new Late Miocene ovibovine-like bovid (Bovidae, Mammalia) from the Kassandra Peninsula (Chalkidiki, Northern Greece) and implications to the phylogeography of the group
			<i>Africanacetes</i>	<i>Africanacetes gracilis</i>	新种	否	Brazil	Pliocene	Deep Sea Research Part II: Topical Studies in Oceanography	A new species of Africanacetes (Odontoceti: Ziphiidae) found on the deep ocean floor off the coast of Brazil
			<i>Beneziphius</i>	<i>Beneziphius cetartensis</i>	新种	否	Spain	Pliocene	Acta Palaeontologica Polonica	A new <i>Beneziphius</i> beaked whale from the ocean floor off Galicia, Spain and biostratigraphic reassessment of the type species
			<i>Brujadelphis</i>	<i>Brujadelphis ankylorostris</i>	新属种	否	Peru	Miocene	Zoological Journal of the Linnean Society	A new inioid (Cetacea, Odontoceti, Delphinida) from the Miocene of Peru and the origin of modern dolphin and porpoise families
			<i>Coronodon</i>	<i>Coronodon havensteini</i>	新属种	否	United States	Oligocene	Current Biology	The Origin of Filter Feeding in Whales
			<i>Dilophodelphis</i>	<i>Dilophodelphis fortycei</i>	新属种	否	United States	Miocene	Royal Society Open Science	A new fossil dolphin <i>Dilophodelphis fortycei</i> provides insight into the evolution of supraorbital crests in Platanistoidea (Mammalia, Cetacea)

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Synapsids	Cetaceans	<i>Eubalaena</i>	<i>Eubalaena ianatrix</i>	新种	是	Belgium	Pliocene	PeerJ	Revision of "Balaena" belgica reveals a new right whale species, the possible ancestry of the northern right whale, <i>Eubalaena glacialis</i> , and the ages of divergence for the living right whale species
		<i>Inermorostrum</i>	<i>Inermorostrum xenops</i>	新属种	否	United States	Oligocene	Proceedings of the Royal Society B: Biological Sciences	A toothless dwarf dolphin (Odontoceti: Xenorophidae) points to explosive feeding diversification of modern whales (Neoceti)
		<i>Xenorophidae</i>	<i>Xenorophidae vertizi</i>	新属种	否	Peru	Miocene	Journal of Systematic Palaeontology	A new odontocete (toothed cetacean) from the Early Miocene of Peru expands the morphological disparity of extinct heterodont dolphins
		<i>Koristocetus</i>	<i>Koristocetus pescei</i>	新属种	否	Peru	Miocene	Fossil Record	<i>Koristocetus pescei</i> gen. et sp. nov., a diminutive sperm whale (Cetacea: Odontoceti: Kogiidae) from the late Miocene of Peru
		<i>Mystacodon</i>	<i>Mystacodon selenensis</i>	新属种	否	Peru	Eocene	Current Biology	Earliest Mysticete from the Late Eocene of Peru Sheds New Light on the Origin of Baleen Whales
		<i>Olympicetus</i>	<i>Olympicetus avitus</i>	新属种	否	United States	Late Oligocene	Journal of Vertebrate Paleontology	A new stem odontocete from the late Oligocene Pysht Formation in Washington State, U.S.A.
		<i>Scaldiporia</i>	<i>Scaldiporia vandokkumi</i>	新属种	否	Netherlands	Late Miocene or earliest Pliocene	PeerJ	<i>Scaldiporia vandokkumi</i> , a new pontoporiid (Mammalia, Cetacea, Odontoceti) from the Late Miocene to earliest Pliocene of the Westerschelde estuary (The Netherlands)
		<i>Tiucetus</i>	<i>Tiucetus rosae</i>	新属种	否	Peru	Miocene	Royal Society Open Science	A new Miocene baleen whale from Peru deciphers the dawn of cetotheriids
		<i>Urkuadelphis</i>	<i>Urkuadelphis chawpipacha</i>	新属种	否	Ecuador	Oligocene	PLOS ONE	A new tropical Oligocene dolphin from Montañita/Olón, Santa Elena, Ecuador

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Synapsids	Carnivorans	<i>Amphictis</i>	<i>Amphictis timucua</i>	新种	否	United States	Early Hemingfordian	Journal of Vertebrate Paleontology	Additional carnivorans from the early Hemingfordian Miller Local Fauna, Florida
		<i>Canis</i>	<i>Canis othmanii</i>	新种	否	Tunisia	Early Middle Pleistocene	Comptes Rendus Palevol	<i>Canis othmanii</i> sp. nov. (Carnivora, Canidae) from the early Middle Pleistocene site of Wadi Sarrat (Tunisia)
		<i>Eotaria</i>	<i>Eotaria citrica</i>	新种	否	United States	Miocene	PeerJ	<i>Eotaria citrica</i> , sp. nov., a new stem otariid from the "Topanga" formation of Southern California
		<i>Floridictis</i>	<i>Floridictis keneri</i>	新属种	否	United States	Early Hemingfordian	Journal of Vertebrate Paleontology	Additional carnivorans from the early Hemingfordian Miller Local Fauna, Florida
		<i>Leptofelis</i>	<i>Leptofelis vallesiensis</i>	新属	否	Spain	Late Miocene	Journal of Mammalian Evolution	Functional and systematic implications of the postcranial anatomy of a late Miocene feline (Carnivora, Felidae) from Batallones-1 (Madrid, Spain)
		<i>Megantereon</i>	<i>Megantereon microta</i>	新种	否	China	Early Pleistocene	Quaternary International	The new Carnivore remains from the Early Pleistocene Yanliang Gigantopithecus fauna, Guangxi, South China
		<i>Miomaci</i>	<i>Miomaci panonnicum</i>	新属种	否	Hungary	Miocene	Geobios	A new late Miocene ailuropodine (Giant Panda) from Rudabánya (North-central Hungary)
		<i>Nanophoca</i>	<i>Nanophoca vitulinoides</i>	新属	否	Belgium	Miocene	PeerJ	Reappraisal of the extinct seal "Phoca" vitulinoides from the Neogene of the North Sea Basin, with bearing on its geological age, phylogenetic affinities, and locomotion
		<i>Panthera</i>	<i>Panthera spelaea intermedia</i>	新种	否	France	Late Middle Pleistocene	Acta Zoologica Cracoviensia	The cave lion <i>Panthera (Leo) spelaea</i> and its evolution: <i>Panthera spelaea intermedia</i> nov. subspecies
		<i>Parabrachyopsalis</i>	<i>Parabrachyopsalis janisae</i>	新属种	否	United States	Early Hemingfordian	Journal of Vertebrate Paleontology	Additional carnivorans from the early Hemingfordian Miller Local Fauna, Florida

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Synapsids	Carnivorans	<i>Paramachaerodus</i>	<i>Paramachaerodus transasiaticus</i>	新种	否	Bulgaria	Late Miocene	PalZ	A new species of <i>Paramachaerodus</i> (Mammalia, Carnivora, Felidae) from the late Miocene of China and Bulgaria, and revision of <i>Promegantereon kretzoi</i> , 1938 and <i>Paramachaerodus pilgrim</i> , 1913
		<i>Siamogale</i>	<i>Siamogale melilitura</i>	新种	否	China	Late Miocene-Pliocene	Journal of Systematic Palaeontology	A new otter of giant size, <i>Siamogale melilitura</i> sp. nov. (Lutrinae: Mustelidae: Carnivora), from the latest Miocene Shuitangba site in north-eastern Yunnan, south-western China, and a total-evidence phylogeny of lutrines
		<i>Terranectes</i>	<i>Terranectes parvus</i>	新属种	否	United States	Late Miocene	Vestnik Zoologii	New Miocene Monachinae from the western shore of the Chesapeake Bay (Maryland, USA)
	Lagomorphs	<i>Alilepus</i>	<i>Alilepus parvus</i>	新种	否	China	Late Neogene	Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Lagomorphs (Ochotonidae, Leporidae) of Yushe Basin
		<i>Hypolagus</i>	<i>Hypolagus mazgoensis</i>	新种	否	China	Late Pliocene	Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Lagomorphs (Ochotonidae, Leporidae) of Yushe Basin
		<i>Ochotonoides</i>	<i>Ochotonoides teilhardi</i>	新种	否	China	Late Pliocene	Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Lagomorphs (Ochotonidae, Leporidae) of Yushe Basin
		<i>Paludotona</i>	<i>Paludotona minor</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	New insights on <i>Paludotona</i> , an insular endemic lagomorph (Mammalia) from the Tusco-Sardinian Palaeobioprovince (Italy, Turolian, late Miocene)
		<i>Sericolagus</i>	<i>Sericolagus yusheicus</i>	新种	否	China	Late Neogene	Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Lagomorphs (Ochotonidae, Leporidae) of Yushe Basin

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Synapsids	Lagomorphs	<i>Sinolagomys</i>	<i>Sinolagomys badamae</i>	新种	否	Mongolia	Late Oligocene	Palaeobiodiversity and Palaeoenvironments	Occurrences of <i>Sinolagomys</i> (Lagomorpha) from the Valley of Lakes (Mongolia)	
		<i>Acarechimys</i>	<i>Acarechimys pascuali</i>	新种	否	Argentina	Early Miocene	An International Journal of Paleobiology	Systematics and evolutionary significance of the small <i>Abrocomidae</i> from the early Miocene of southern South America	
	<i>Acritoparamys</i>	<i>Acritoparamys naomugengensis</i>	新种	否	China	Eocene	Palaeobiodiversity and Palaeoenvironments	Palaeobiodiversity and Palaeoenvironments	First record of Eocene fossil rodent assemblages from the lower part of the Erden Obo Section, Erlian Basin (Nei Mongol, China) and its biochronological implications	
	<i>Allactaga</i>	<i>Allactaga fru</i>	新种	否	Ukraine	Miocene	Palaeontologia Electronica	Palaeontologia Electronica	A new species of <i>jerboa</i> (Mammalia, Rodentia, Allactaga) from the late Miocene of Ukraine	
	Rodents	<i>Alloerictetus</i>	<i>Alloerictetus primitivus</i>	新种	否	China	Pliocene	Late Cenozoic Yushe Basin, Shanxi Province, China: Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	Annals of Carnegie Museum	The Hamsters of Yushe Basin
		<i>Altasciurus</i>		新属种	否	United States	Oligocene	Annals of Carnegie Museum	Annals of Carnegie Museum	A unique rodent fauna from the Whittneyan (middle Oligocene) of southwestern Montana
		<i>Ameghinomy</i>		新属	否	Argentina	Early Miocene	An International Journal of Paleobiology	An International Journal of Paleobiology	Systematics and evolutionary significance of the small <i>Abrocomidae</i> from the early Miocene of southern South America
		<i>Apeomys</i>	<i>Apeomys asiaticus</i>	新种	否	China	Late Early Miocene	Vertebrata Palasiatica	Vertebrata Palasiatica	Several rarely recorded rodents from the Neogene of China
		<i>Apeomys</i>	<i>Apeomys oldrichi</i>	新种	否	Germany	Early Miocene	An International Journal of Paleobiology	An International Journal of Paleobiology	Large apeomyine rodents (Mammalia, Eomyidae) from the early Miocene of Echzell, Germany
		<i>Apocricetus</i>	<i>Apocricetus darderi</i>	新种	否	Spain	Pliocene	Historical Biology	Historical Biology	A new giant cricetine from the basal Pliocene of Mallorca (Balearic Islands, western Mediterranean): biostratigraphic nexus with continental mammal zones

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Synapsids	Rodents	<i>Argyromys</i>	<i>Argyromys cicigei</i>	新种	否	China	Late Oligocene	PLOS ONE	A new species of <i>Argyromys</i> (Rodentia, Mammalia) from the Oligocene of the Valley of Lakes (Mongolia): Its importance for palaeobiogeographical homogeneity across Mongolia, China and Kazakhstan
		<i>Cavia</i>	<i>Cavia cabrerai</i>	新种	否	Argentina	“Miocene-Pliocene boundary”	Journal of Vertebrate Paleontology	A new guinea pig (Rodentia, Caviomorpha) from northwestern Argentina: Implications for the origin of the genus <i>Cavia</i>
		<i>Caviodon</i>	<i>Caviodon andalhuensis</i>	新种	否	Argentina	Miocene	Papers in Palaeontology	Diversity, phylogeny and biogeography of the South American ‘cardiomyine’ rodents (Hystricognathi, Caviodea) with a description of two new species
		<i>Collimys</i>	<i>Collimys caucasicus</i>	新种	否	Russia	Miocene	Fossil Imprint	Late Miocene (Early Turolian) vertebrate faunas and associated biotic record of the Northern Caucasus: Geology, palaeoenvironment, biochronology
		<i>Cricetinus</i>	<i>Cricetinus mesolophidos</i>	新种	否	China	Pliocene	Late Cenozoic Yushe Basin, Shanxi Province, China: Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Hamsters of Yushe Basin
		<i>Cricetodon</i>	<i>Cricetodon goklensis</i>	新种	否	Turkey	“Early Miocene”	Historical Biology	Early Miocene rodents of Gökler (Kazan Basin, Central Anatolia, Turkey)
		<i>Cricetops</i>	<i>Cricetops auster</i>	新种	否	China	“Early Oligocene”	Historical Biology	First record of <i>Cricetops</i> rodent in the Oligocene of southwestern China
		<i>Debruijnina</i>	<i>Debruijnina kostakii</i>	新种	否	Greece	“Early Miocene”	Historical Biology	A new stage in the evolution of the mole rats (Rodentia, Spalacinae) from the Early Miocene of northern Greece”. Historical Biology

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Synapsids	Rodents	<i>Democricetodon</i>	<i>Democricetodon fejjari</i>	新种	否	India	Middle Miocene	Fossil Imprint	Democricetodon fejjari sp. nov. and replacement of Cricetidae by Muridae in Siwalik deposits of Pakistan
		<i>Democricetodon</i>	<i>Democricetodon halmiri</i>	新种	否	Turkey	“Early Miocene”	Historical Biology	Early Miocene rodents of Gökler (Kazan Basin, Central Anatolia, Turkey)
		<i>Desmodillus</i>	<i>Desmodillus magnus</i>	新种	否	South Africa	Early Pliocene	Palaeovertebrata	A new <i>Desmodillus</i> (Gerbillinae, Rodentia) species from the early Pliocene site of Langebaanweg (South-western Cape, South Africa)
		<i>Eobranisamys</i>	<i>Eobranisamys javierpradoi</i>	新种	否	Peru	“Late middle Eocene”	Palaeontologia Electronica	Late middle Eocene caviomorph rodents from Contamana, Peruvian Amazonia
		<i>Eomys</i>	<i>Eomys helveticus</i>	新种	否	Switzerland	Oligocene	Fossil Imprint	<i>Eomys helveticus</i> n. sp. and <i>Eomys schluneggeri</i> n. sp., two new small eomyids of the Chattian (MP 25/MP 26) subalpine Lower Freshwater Molasse of Switzerland
		<i>Eomys</i>	<i>Eomys schluneggeri</i>	新种	否	Switzerland	Oligocene	Fossil Imprint	<i>Eomys helveticus</i> n. sp. and <i>Eomys schluneggeri</i> n. sp., two new small eomyids of the Chattian (MP 25/MP 26) subalpine Lower Freshwater Molasse of Switzerland
		<i>Eumyarion</i>	<i>Eumyarion lukasi</i>	新种	否	Turkey	Early Miocene	Historical Biology	Early Miocene rodents of Gökler (Kazan Basin, Central Anatolia, Turkey)
		<i>Extrarius</i>	<i>Extrarius orhuni</i>	新属种	否	Turkey	Quaternary	Palaeontologia Electronica	A new genus and species of Muridae (Rodentia) from the Quaternary deposits of the Denizli Basin, Southwestern Turkey
		<i>Ferigolomys</i>	<i>Ferigolomys pacarana</i>	新属种	否	Brazil	“Late Miocene”	Historical Biology	A new rodent (Caviomorpha: Dinomyidae) from the upper Miocene of southwestern Brazilian Amazonia

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Synapsids	Rodents	<i>Inopinatia</i>	<i>Inopinatia balkanica</i>	新属种	否	Serbia	“Early Oligocene”	Palaeobiodiversity and Palaeoenvironments	On a new diatomiid (Rodentia, Mammalia) from the Paleogene of south-east Serbia, the first record of the family in Europe
		<i>Karnimata</i>	<i>Karnimata fejfari</i>	新种	否	Pakistan	“Late Miocene”	Fossil Imprint	Early late Miocene murine rodents from the upper part of the Nagri Formation, Siwalik Group, Pakistan, with a new fossil calibration point for the tribe Apodemurini (Apodemus/Tokudaia)
		<i>Laticricetodon</i>		新属	否	Turkey	“Early Miocene”	Historical Biology	Early Miocene rodents of Gökler (Kazan Basin, Central Anatolia, Turkey)
		<i>Lophicylindrodon</i>	<i>Lophicylindrodon expiratus</i>	新属种	否	United States	Oligocene	Annals of Carnegie Museum	A unique rodent fauna from the Whitneyan (middle Oligocene) of southwestern Montana
		<i>Metanoiamys</i>	<i>Metanoiamys norejkoi</i>	新种	否	United States	“Possibly Chadronian”	Annals of Carnegie Museum	Rodents (Mammalia) from Diamond O Ranch local fauna, southwestern Montana
		<i>Milimonggamys</i>	<i>Milimonggamys juliae</i>	新属种	否	Indonesia	“Late Holocene”	Proceedings of the Royal Society B: Biological Sciences	Quaternary vertebrate faunas from Sumba, Indonesia: implications for Wallacean biogeography and evolution
		<i>Montanacastor</i>	<i>Montanacastor simplicidens</i>	新属种	否	United States	Oligocene	Annals of Carnegie Museum	A unique rodent fauna from the Whitneyan (middle Oligocene) of southwestern Montana
		<i>Mubhammys</i>	<i>Mubhammys atlanticus</i>	新种	否	“Western Sahara”	Oligocene	Journal of Vertebrate Paleontology	Earliest Oligocene hystricognathous rodents from the Atlantic margin of northwestern Saharan Africa (Dakhla, Morocco): systematic, paleobiogeographical, and paleoenvironmental implications
		<i>Neocometes</i>	<i>Neocometes magna</i>	新种	否	China	“Probably Miocene”	Vertebrata Palasiatica	Platanthomyid remains from the late Cenozoic deposits of East China

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Synapsids	Rodents	<i>Progonomys</i>	<i>Progonomys morganae</i>	新种	否	India	“Late Miocene”	Fossil Imprint	Early late Miocene murine rodents from the upper part of the Nagri Formation, Siwalik Group, Pakistan, with a new fossil calibration point for the tribe Apodemurini (Apodemus/Tokudaia)
		<i>Proischyromys</i>	<i>Proischyromys perditus</i>	新属种	否	United States	Eocene	Palaeontologia Electronica	The first Eocene rodents from the Pacific Northwest, USA
		<i>Raksasamys</i>	<i>Raksasamys Raksasamys</i>	新属种	否	Indonesia	“Late Holocene”	Proceedings of the Royal Society B: Biological Sciences	Quaternary vertebrate faunas from Sumba, Indonesia: implications for Wallacean biogeography and evolution
		<i>Sayimys</i>	<i>Sayimys sikhongensis</i>	新种	否	China	“Late Early Miocene”	Vertebrata Palasiatica	Several rarely recorded rodents from the Neogene of China
		<i>Sciuravus</i>	<i>Sciuravus inclinatus</i>	新种	否	United States	Bridgerian	Contributions from the Museum of Paleontology, University of Michigan	Three New Sciuravids (Rodentia) From the Latest-Early to Middle Eocene of Wyoming: Mosaic Evolution and the Alpha Taxonomy of Sciuravus nitidus
		<i>Sciuravus</i>	<i>Sciuravus metalinguas</i>	新种	否	United States	Bridgerian	Contributions from the Museum of Paleontology, University of Michigan	Three New Sciuravids (Rodentia) From the Latest-Early to Middle Eocene of Wyoming: Mosaic Evolution and the Alpha Taxonomy of Sciuravus nitidus
		<i>Sciuravus</i>	<i>Sciuravus nexus</i>	新种	否	United States	Bridgerian	Contributions from the Museum of Paleontology, University of Michigan	Three New Sciuravids (Rodentia) From the Latest-Early to Middle Eocene of Wyoming: Mosaic Evolution and the Alpha Taxonomy of Sciuravus nitidus
		<i>Spalax</i>	<i>Spalax denizliensis</i>	新种	否	Turkey	“Early Pleistocene”	Turkish Journal of Zoology	<i>Spalax denizliensis</i> sp. nov. (Spalacidae, Rodentia) from an Early Pleistocene-aged locality in the Denizli Basin (southwestern Turkey)
		<i>Spurimus</i>	<i>Spurimus hoffmani</i>	新种	否	United States	“Possibly Chadronian”	Annals of Carnegie Museum	Rodents (Mammalia) from Diamond O Ranch local fauna, southwestern Montana

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Synapsids	Rodents	<i>Tedfordomys</i>	<i>Tedfordomysjinensis</i>	新属种	否	China	“Late Miocene”	Late Cenozoic Yushe Basin, Shanxi Province, China: Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springle	The Murine Rodents of Yushe Basin
		<i>Willeumys</i>	<i>Willeumys argosortus</i>	新种	否	United States	Oligocene	Annals of Carnegie Museum	A unique rodent fauna from the Whitmeyer (middle Oligocene) of southwestern Montana
		<i>Yuneomys</i>	<i>Yuneomys pusillus</i>	新属	否	China	“Late Miocene”	Vertebrata PalAsiatica	Several rarely recorded rodents from the Neogene of China
		<i>Yuomys</i>	<i>Yuomys altunensis</i>	新种	否	China	“Middle Eocene”	Vertebrata PalAsiatica	Discovery of Yuomys from Altun Shan, Xinjiang, China
		<i>Yuomys</i>	<i>Yuomys magnus</i>	新种	否	China	Eocene	Historical Biology	Eocene ctenodactyloid rodent assemblages and diversification from Erden Obo, Nei Mongol, China
		<i>Agerinia</i>	<i>Agerinia marandati</i>	新种	否	Spain	“Early Eocene”	PeerJ	<i>Agerinia marandati</i> sp. nov., a new early Eocene primate from the Iberian Peninsula, sheds new light on the evolution of the genus <i>Agerinia</i>
		<i>Masradapis</i>	<i>Masradapis tahai</i>	新属种	否	Egypt	“Late Eocene”	Historical Biology	New adapiform primate fossils from the late Eocene of Egypt
		<i>Microchoerus</i>	<i>Microchoerus hookeri</i>	新种	否	Spain	“Late Eocene”	Journal of Human Evolution	<i>Microchoerus hookeri</i> nov. sp., a new late Eocene European microhoerine (Omomyidae, Primates): New insights on the evolution of the genus <i>Microchoerus</i>
		<i>Mioeoticus</i>	<i>Mioeoticus kichotoi</i>	新种	否	Kenya	“Early Middle Miocene”	Anthropological Science	A new species of Mioeoticus (<i>Lorisiformes</i> , Primates) from the early Middle Miocene of Kenya
		<i>Nyanzapithecus</i>	<i>Nyanzapithecus alesi</i>	新种	否	Kenya	“Middle Miocene”	Nature	New infant cranium from the African Miocene sheds light on ape evolution
		<i>Ramadapis</i>	<i>Ramadapis sahnii</i>	新属种	否	India	Journal of Human Evolution	New sivaladapid primate from Lower Siwalik deposits surrounding Rammagar (Jammu and Kashmir State), India	

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Synapsids	Other eutherians	<i>Percymygalé</i>		新属	否	Czech Republic	“Late Eocene to early Miocene”	Historical Biology	Evolution of Oligo-Miocene talpids (Mammalia, Talpidae) in Europe: focus on the genera <i>Myxomygale</i> and <i>Percymygalé</i> n. gen
		<i>Plesiodimylus</i>	<i>Plesiodimylus ilercavonicus</i>	新种	否	Spain	“Early Miocene”	Historical Biology	A new species of <i>Plesiodimylus</i> (Dimylidae, Eulipotyphla, Mammalia) from the Early Miocene of Spain
		<i>Plesiosorex</i>	<i>Plesiosorex fejfari</i>	新种	否	Japan	“Early Miocene”	Fossil Imprint	A new species of <i>Plesiosorex</i> (Mammalia, Eulipotyphla) from the Early Miocene of Japan: first record of the genus from East Asia
		<i>Protypotherium</i>	<i>Protypotherium colloncurensis</i>	新种	否	“Argentina”	Miocene	Acta Palaeontologica Polonica	The Interatheriinae notoungulates from the middle Miocene Collón Curá Formation in Argentina
		<i>Sectisodon</i>	<i>Sectisodon occultus</i>	新属种	否	Egypt	“Oligocene and Early Miocene”	Fossil Imprint	Newhyaenodonts (Ferae, Mammalia) from the Early Miocene of Napak (Uganda), Koru (Kenya) and Grillettal (Namibia)
		<i>Taizimylus</i>	<i>Taizimylus tongi</i>	新属种	否	China	“Late Paleocene”	Palaeoworld	<i>Taizimylus tongi</i> , a new eurymylid (Mammalia, Glires) from the upper Paleocene of Xinjiang, China
		<i>Tegulariscaptor</i>		新属	否	Germany	“Early Oligocene”	Journal of Systematic Palaeontology	When moles became diggers: <i>Tegulariscaptor</i> gen. nov., from the early Oligocene of south Germany, and the evolution of talpid fossoriality
		<i>Xotodon</i>	<i>Xotodon maimarensis</i>	新种	否	Argentina	“Late Miocene–early Pliocene”	Journal of Paleontology	First record of Toxodontidae (Mammalia, Notoungulata) from the late Miocene–early Pliocene of the southern central Andes, NW Argentina
		<i>Yanshuella</i>	<i>Yanshuella yushensis</i>	新种	否	China	“Late Neogene”	Late Cenozoic Yushe Basin, Shanxi Province, China: Geology and Fossil Mammals. Volume II: Small Mammal Fossils of Yushe Basin. Springer	The Lipotyphla of Yushe Basin

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		<i>Altigibbaspis</i>	<i>Altigibbaspis huiqingae</i>	新属种	否	China	Devonian	Vertebrata Palasiatica	New findings of galeaspids (Agnatha) from the Lower Devonian of Qujing, Yunnan, China
		<i>Elgaia</i>	<i>Elgaia luhai</i>	新属	否	Estonia	Devonian	Biological Communications	Phylogenetic relationships of psammosteid heterostracans (Pteraspidoformes), Devonian jawless vertebrates
		<i>Vladimirolepis</i>	<i>Vladimirolepis proia</i>	新属	否	Estonia	Devonian	Biological Communications	Phylogenetic relationships of psammosteid heterostracans (Pteraspidoformes), Devonian jawless vertebrates
		<i>Faberaspis</i>	<i>Faberaspis elgae</i>	新属种	否	Canada	Devonian	Estonian Journal of Earth Sciences	“A new species of cyathaspid (Vertebrata: Pteraspidomorphi: Heterostraci) from the Lower Devonian Drake Bay Formation, Prince of Wales Island, Nunavut, Arctic Canada”
	Jawless vertebrates	<i>Kalanaspis</i>	<i>Kalanaspis delectabilis</i>	新属种	否	Canada	Silurian	Journal of Vertebrate Paleontology	The earliest osteostracan <i>Kalanaspis delectabilis</i> gen et sp nov from the mid-Aeronian (mid-Llandovery, lower silurian) of Estonia
Amphibians		<i>Nanningaspis</i>	<i>Nanningaspis zengi</i>	新属种	否	China	Devonian	PLOS ONE	New polybranchiaspiform fishes (Agnatha: Galeaspida) from the Middle Palaeozoic of China and their ecomorphological implications
		<i>Platylomaspis</i>	<i>Platylomaspis serratus</i>	新属种	否	China	Silurian	PLOS ONE	New polybranchiaspiform fishes (Agnatha: Galeaspida) from the Middle Palaeozoic of China and their ecomorphological implications
		<i>Pseudolaxaspis</i>	<i>Pseudolaxaspis zengi</i>	新属	否	China	Devonian	PLOS ONE	New polybranchiaspiform fishes (Agnatha: Galeaspida) from the Middle Palaeozoic of China and their ecomorphological implications
	Placoderms	<i>Paralogania</i>	<i>Paralogania denisoni</i>	新种	否	United States	Silurian-Devonian	Acta Geologica Polonica	A new aspinothoracid arthrodire from the Late Devonian of Ohio, USA
		<i>Hlavinichthys</i>	<i>Hlavinichthys jacksoni</i>	新属种	否	United States	Devonian	Acta Geologica Polonica	A new aspinothoracid arthrodire from the Late Devonian of Ohio, USA
		<i>Microbrachius</i>	<i>Microbrachius keddoae</i>	新种	否	Belarus	Devonian	Estonian Journal of Earth Sciences	A new species of the antiarch <i>Microbrachius</i> from the Middle Devonian (Givetian) of Belarus
		<i>Wufengshania</i>	<i>Wufengshania magniforaminiis</i>	新属种	否	China	Devonian	Alcheringa: An Australasian Journal of Palaeontology	A new antiarch placoderm from the Emsian (Early Devonian) of Wuding, Yunnan, China

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Amphibians	Acanthodians	<i>Cheiracanthus</i>	<i>Cheiracanthus flabellcostatus</i>	新种	否	Russia	Middle Devonian	Paleontological Journal	A new cheiracanthid acanthodian species from the Aruktila Regional Stage (Middle Devonian, Givetian) of the eastern Main Devonian Field
		<i>Drygantacanthus</i>	<i>Drygantacanthus semirotonda</i>	新属种	否	Ukraine	Early Devonian	Acta Palaeontologica Polonica	New ischnacanthiform jaw bones from the Lower Devonian of Podolia, Ukraine
		<i>Kasperacanthus</i>	<i>Kasperacanthus serratus</i>	新属种	否	Ukraine	Early Devonian	Acta Palaeontologica Polonica	New ischnacanthiform jaw bones from the Lower Devonian of Podolia, Ukraine
		<i>Ginkgolepis</i>	<i>Ginkgolepis tenericostatus</i>	新属种	否	Estonia	Devonian	Estonian Journal of Earth Sciences	The Middle Devonian acanthodian assemblage of the Karksi outcrop in Estonia
		<i>Jolepis</i>	<i>Jolepis robusta</i>	新属	否	Germany	Devonian	Acta Geologica Polonica	Stem chondrichthyan microfossils from the Lower Old Red Sandstone of the Welsh Borderland
		<i>Rhadinacanthus</i>	<i>Rhadinacanthus deltoquamosus</i>	新属种	否	Estonia	Devonian	Estonian Journal of Earth Sciences	The Middle Devonian acanthodian assemblage of the Karksi outcrop in Estonia
		<i>Acutalamma</i>	<i>Acutalamma karsteni</i>	新属种	否	Ecuador	Cretaceous	Cretaceous Research	Lamniform sharks from the Cenomanian (Upper Cretaceous) of Venezuela
		<i>Alopias</i>	<i>Alopias palatasi</i>	新种	否	Malta	Miocene	mithsonian Contributions to Paleobiology	The cartilaginous fishes (chimaeras, sharks, and rays) of Calvert Cliffs, Maryland, USA Addendum: a new species of giant thresher shark (family Alopiidae) with serrated teeth
		<i>Altholepis</i>	<i>Altholepis salopensis</i>	新种	否	United Kingdom	Devonian	Acta Geologica Polonica	Stem chondrichthyan microfossils from the Lower Old Red Sandstone of the Welsh Borderland
		<i>Altusmirus</i>	<i>Altusmirus triquetrus</i>	新属种	否	Austria	Early Cretaceous	Cretaceous Research	New Early Cretaceous sharks (Chondrichthyes, Elasmobranchii) from deep-water deposits of Austria
Cartilaginous fishes		<i>Amaradontus</i>	<i>Amaradontus santucci</i>	新属种	否	United States	Carboniferous	Journal of Paleontology	Carboniferous chondrichthyan assemblages from the Surprise Canyon and Watahomigi formations (latest Mississippian–Early Pennsylvanian) of the western Grand Canyon, Northern Arizona
		<i>Arcuodus</i>	<i>Arcuodus multicuspidatus</i>	新属种	否	United States	Carboniferous	Zoological Letters	A new coeliodont anterior tooth plate from the Mississippian of Alabama (USA) having implications for the origin of tooth plates from tooth files

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Amphibians	Cartilaginous fishes	<i>Carcharoides</i>	<i>Carcharoides lipiensis</i>	新种	否	Germany	Oligocene	Palaeontos	A review of the odontaspimid shark <i>Carcharoides AMEGHINO 1901</i> (Lamniformes, Odontaspidae) in the Chattian and Rupelian of the North Sea Basin, with the definition of a neotype of <i>Carcharoides caticus</i> (PHILIPPI, 1846) and description of a new species
		<i>Caucasochasma</i>	<i>Caucasochasma zherikhini</i>	新属种	否	Russia	Early Oligocene	Journal of Ichthyology	Basking shark (Lamniformes: Cetorhinidae) from the Lower Oligocene of the Caucasus
		<i>Cooleyella</i>	<i>Cooleyella platera</i>	新种	否	United States	Carboniferous	Journal of Paleontology	Carboniferous chondrichthyan assemblages from the Surprise Canyon and Watahomigi formations (latest Mississippian–Early Pennsylvanian) of the western Grand Canyon, Northern Arizona
		<i>Cretacladoides</i>	<i>Cretacladoides noricum</i>	新属种	是	Austria	Early Cretaceous	Historical Biology	New chondrichthyans characterised by cladodont-like tooth morphologies from the Early Cretaceous of Austria, with remarks on the microstructural diversity of enameloid
		<i>Cretacladoides</i>	<i>Cretacladoides oghveformis</i>	新属种	否	Austria	Early Cretaceous	Historical Biology	New chondrichthyans characterised by cladodont-like tooth morphologies from the Early Cretaceous of Austria, with remarks on the microstructural diversity of enameloid
		<i>Cretalamna</i>	<i>Cretalamna bryanti</i>	新种	否	United States	Late Cretaceous	PeerJ	A new species of <i>Cretalamna sensu stricto</i> (Lamniformes, Otodontidae) from the Late Cretaceous (Santonian–Campanian) of Alabama, USA
		<i>Deltodus</i>	<i>Deltodus tubineus</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Diverse and durophagous: Early Carboniferous chondrichthyans from the Scottish Borders
		<i>Fornicatus</i>	<i>Fornicatus austriacus</i>	新属种	否	Austria	Early Cretaceous	Cretaceous Research	New Early Cretaceous sharks (Chondrichthyes, Elasmobranchii) from deep-water deposits of Austria
		<i>Hokomata</i>	<i>Hokomata parva</i>	新属种	否	United States	Carboniferous	Journal of Paleontology	Carboniferous chondrichthyan assemblages from the Surprise Canyon and Watahomigi formations (latest Mississippian–Early Pennsylvanian) of the western Grand Canyon, Northern Arizona

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Amphibians	Cartilaginous fishes	<i>Hybodus</i>	<i>Hybodus chuanjiejensis</i>	新种	否	China	Middle Jurassic	Geological Bulletin of China	New fossil materials of Hybodus (Chondrichthyes) in the Middle Jurassic found in Chuanjie Basin of central Yunnan Province
		<i>Hybodus</i>	<i>Hybodus xinzhuangensis</i>	新种	否	China	Middle Jurassic	Geological Bulletin of China	New fossil materials of Hybodus (Chondrichthyes) in the Middle Jurassic found in Chuanjie Basin of central Yunnan Province
		<i>Igdabatis</i>	<i>Igdabatis marmii</i>	新种	否	Spain	Late Cretaceous	Journal of Systematic Palaeontology	<i>gdabatis marmii</i> sp nov (Myliobatiformes) from the lower Maastrichtian (Upper Cretaceous) of north-eastern Spain: an Ibero-Armorian origin for a Gondwanan batoid
		<i>Lamarodus</i>	<i>Lamarodus triangulus</i>	新属种	否	United States	Permian	Palaeoworld	New fish assemblages from the Middle Permian from the Guadalupe Mountains, West Texas, USA
		<i>Marambioraja</i>	<i>Marambioraja leiolemma</i>	新属种	否	Antarctica	Eocene	Historical Biology	Skates and rays (Elasmobranchii, Batomorphii) from the Eocene La Meseta and Submeseta formations, Seymour Island, Antarctica
		<i>Mesetaraja</i>	<i>Mesetaraja maleficapelli</i>	新属种	否	Antarctica	Eocene	Historical Biology	Skates and rays (Elasmobranchii, Batomorphii) from the Eocene La Meseta and Submeseta formations, Seymour Island, Antarctica
		<i>Microcarcharias</i>	<i>Microcarcharias saskatchewanensis</i>	新属	否	Canada	Late Cretaceous	Cretaceous Research	Lamniform sharks from the Cenomanian (Upper Cretaceous) of Venezuela
		<i>Microklomax</i>	<i>Microklomax carrieae</i>	新属种	否	United States	Carboniferous	Journal of Paleontology	Carboniferous chondrichthyan assemblages from the Surprise Canyon and Watahomigi formations (latest Mississippian–Early Pennsylvanian) of the western Grand Canyon, Northern Arizona
		<i>Mooreodontus</i>	<i>Mooreodontus jaini</i>	新种	否	India	Late Triassic	Geobios	A new assemblage of freshwater sharks (Chondrichthyes: Elasmobranchii) from the Upper Triassic of India
		<i>Natarapax</i>	<i>Natarapax trivortex</i>	新属种	否	Austria	Early Cretaceous	Historical Biology	New chondrichthyan characterised by cladodont-like tooth morphologies from the Early Cretaceous of Austria, with remarks on the microstructural diversity of enameloid

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Amphibians	Cartilaginous fishes	<i>Novaculodus</i>	<i>Novaculodus billingsleyi</i>	新属种	否	United States	Carboniferous	Journal of Paleontology	Carboniferous chondrichthyan assemblages from the Surprise Canyon and Watahomigi formations (latest Mississippian–Early Pennsylvanian) of the western Grand Canyon, Northern Arizona	
		<i>Ostarriraja</i>	<i>Ostarriraja parva</i>	新属种	否	Austria	Miocene	Journal of Systematic Palaeontology	A new Miocene skate from the Central Paratethys (Upper Austria): the first unambiguous skeletal record for the Rajiformes (Chondrichthyes: Batomorphii)	
		<i>Palaeocentrosymnus</i>	<i>Palaeocentrosymnus horvathi</i>	新属	否	Austria	Miocene	PalZ	Palaeocentrosymnus (Chondrichthyes: Somniosidae), a new sleeper shark genus from Miocene deposits of Austria (Europe)	
		<i>Palaeoheterodontus</i>		新属	是	Germany	Jurassic	Palaeontos	Palaeontos	Reassessment and revision of the fossil Heterodontidae (Chondrichthyes: Neoselachii) based on tooth morphology of extant taxa
		<i>Pastinachus</i>	<i>Pastinachus kebarensis</i>	新种	否	Tunisia	Eocene	Historical Biology	Historical Biology	Teeth, fossil record and evolutionary history of the cowlait stingray <i>Pastinachus Rüppell, 1829</i>
		<i>Pristisodus</i>	<i>Pristisodus tikiensis</i>	新种	否	India	Late Triassic	Journal of Paleontology	Journal of Paleontology	A new hybodont shark (Chondrichthyes, Elasmobranchii) from the Upper Triassic Tiki Formation of India with remarks on its dental histology and biostratigraphy
		<i>Procestracion</i>		新属	是	Germany	Jurassic	Palaeontos	Palaeontos	Reassessment and revision of the fossil Heterodontidae (Chondrichthyes: Neoselachii) based on tooth morphology of extant taxa
		<i>Protoheterodontus</i>		新属	是	France	Late Cretaceous	Palaeontos	Palaeontos	Reassessment and revision of the fossil Heterodontidae (Chondrichthyes: Neoselachii) based on tooth morphology of extant taxa
		<i>Protohimantura</i>	<i>Protohimantura vorstmani</i>	新属	否	Indonesia	Miocene	Zoological Journal of the Linnean Society	Zoological Journal of the Linnean Society	Anatomy, relationships and palaeobiogeographic implications of the first Neogene holomorphic stingray (<i>Myllobattiformes: Dasyatidae</i>) from the early Miocene of Sulawesi, Indonesia, SE Asia

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Amphibians	Cartilaginous fishes	<i>Raja</i>	<i>Raja amphitritia</i>	新种	否	Antarctica	Eocene	Historical Biology	Skates and rays (Elasmobranchii, Batomorphii) from the Eocene La Meseta and Submeseta formations, Seymour Island, Antarctica
		<i>Raja</i>	<i>Raja manitaria</i>	新种	否	Antarctica	Eocene	Historical Biology	Skates and rays (Elasmobranchii, Batomorphii) from the Eocene La Meseta and Submeseta formations, Seymour Island, Antarctica
		<i>Similiteroscyllium</i>	<i>Similiteroscyllium iniquus</i>	新属种	否	Austria	Early Cretaceous	Cretaceous Research	New Early Cretaceous sharks (Chondrichthyes, Elasmobranchii) from deep-water deposits of Austria
		<i>Squalicorax</i>	<i>Squalicorax acutus</i>	新种	否	Australia	Late Cretaceous	Alcheringa: An Australasian Journal of Palaeontology	Anacoracid sharks and calcareous nanofossil stratigraphy of the mid-Cretaceous 'upper' Gearle Siltstone and Haycock Marl in the lower Murchison River area, Western Australia
		<i>Squalicorax</i>	<i>Squalicorax bazzii</i>	新种	否	Australia	Late Cretaceous	Alcheringa: An Australasian Journal of Palaeontology	Anacoracid sharks and calcareous nanofossil stratigraphy of the mid-Cretaceous 'upper' Gearle Siltstone and Haycock Marl in the lower Murchison River area, Western Australia
		<i>Squalicorax</i>	<i>Squalicorax lalumaensis</i>	新种	否	Venezuela	Late Cretaceous	Cretaceous Research	Lamniform sharks from the Cenomanian (Upper Cretaceous) of Venezuela
		<i>Squalicorax</i>	<i>Squalicorax moodyi</i>	新种	否	Venezuela	Late Cretaceous	Cretaceous Research	Lamniform sharks from the Cenomanian (Upper Cretaceous) of Venezuela
		<i>Squalicorax</i>	<i>Squalicorax mutabilis</i>	新种	否	Australia	Late Cretaceous	Alcheringa: An Australasian Journal of Palaeontology	Anacoracid sharks and calcareous nanofossil stratigraphy of the mid-Cretaceous 'upper' Gearle Siltstone and Haycock Marl in the lower Murchison River area, Western Australia
		<i>Stethacanthus</i>	<i>Stethacanthus concavus</i>	新种	否	United States	Carboniferous	Acta Geologica Polonica	Symmoriform sharks from the Pennsylvanian of Nebraska
		<i>Tamiodontus</i>	<i>Tamiodontus elgae</i>	新种	否	Belarus	Devonian, Carboniferous	Estonian Journal of Earth Sciences	Chondrichthyans from the Devonian–Early Carboniferous of Belarus
		<i>Tikiodontus</i>	<i>Tikiodontus asymmetricus</i>	新属种	否	India	Late Triassic	Geobios	A new assemblage of freshwater sharks (Chondrichthyes: Elasmobranchii) from the Upper Triassic of India

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Amphibians	Cartilaginous fishes	<i>Truyolsodontos</i>	<i>Truyolsodontos estauni</i>	新属种	否	Spain	Late Cretaceous	Annales de Paléontologie	Truyolsodontos estauni n gen, n sp. Truyolsodontidae, a new family of lamniform sharks from the Cenomanian of northern Spain
		<i>Whitropus</i>	<i>Whitropus longicalculus</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Diverse and durophagous: Early Carboniferous chondrichthyans from the Scottish Borders
Amphibians	Ray-finned fishes	<i>Allogenartina</i>	<i>Allogenartina muscogeei</i>	新属种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Amakusaichthys</i>	<i>Amakusaichthys goshouraensis</i>	新属种	否	Japan	Late Cretaceous	Historical Biology	A new ichthyodectiform fish, Amakusaichthys goshouraensis gen et sp nov from the Upper Cretaceous (Santonian) Himenoura Group in Goshoura, Amakusa, Kumamoto, Japan
		<i>Ameiurus</i>	<i>Ameiurus grangerensis</i>	新种	否	United States	Miocene	Miscellaneous Publications Museum of Zoology, University of Michigan	Fishes of the Mio-Pliocene Western Snake River Plain and vicinity IV Fossil fishes from the Miocene Ellensburg Formation, south central Washington
		<i>Amphiarthus</i>	<i>Amphiarthus paleoortinocoensis</i>	新种	否	Venezuela	Late Miocene	Journal of South American Earth Sciences	Neogene tropical sea catfish (Siluriformes; Ariidae), with insights into paleo and modern diversity within northeastern South America
		<i>Anchiacipenser</i>	<i>Anchiacipenser acanthaspis</i>	新属种	否	Canada	Late Cretaceous	Journal of Vertebrate Paleontology	A rare, articulated sturgeon (Chondrostei: Acipenseriformes) from the Upper Cretaceous of Dinosaur Provincial Park, Alberta, Canada
		<i>Andrewsolepis</i>	<i>Andrewsolepis lochlamii</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Apateodus</i>	<i>Apateodus assisi</i>	新种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Aphanolebias</i>	<i>Aphanolebias sarmaticus</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)

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Amphibians	Ray-finned fishes	<i>Apsopelix</i>	<i>Apsopelix berlinensis</i>	新种	否	Germany	Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Ariopsis</i>	<i>Ariopsis ariopsilus</i>	新种	否	Venezuela	Late Miocene	Journal of South American Earth Sciences	Neogene tropical sea catfish (Siluriformes; Ariidae), with insights into paleo and modern diversity within northeastern South America
		<i>Atherina</i>	<i>Atherina carnevalei</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)
		<i>Autothrissus</i>	<i>Autothrissus heletzensis</i>	新属种	否	Israel	Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Avonichthys</i>	<i>Avonichthys manskyi</i>	新属种	否	Canada	Carboniferous	Royal Society Open Science	A primitive actinopterygian braincase from the Tournaisian of Nova Scotia
		<i>Bagre</i>	<i>Bagre urumacoensis</i>	新种	否	Venezuela	Late Miocene	Journal of South American Earth Sciences	Neogene tropical sea catfish (Siluriformes; Ariidae), with insights into paleo and modern diversity within northeastern South America
		<i>Benthalbella</i>	<i>Benthalbella praecessor</i>	新种	否	Russia	Miocene	Journal of Vertebrate Paleontology	A Miocene pearleye, <i>Benthalbella praecessor</i> , sp nov (Teleostei, Aulopiformes), from Sakhalin Island, Russia: the first known skeletal record for the family Scopelarchidae
		<i>Bicavolithus</i>	<i>Bicavolithus cavatus</i>	新属种	否	Germany	Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Blairolepis i</i>	<i>Blairolepis wallacei</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Blennius</i>	<i>Blennius martini</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)

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Amphibians	Ray-finned fishes	<i>Bluefieldius</i>	<i>Bluefieldius mercerensis</i>	新属种	否	United States	Carboniferous	PeerJ	A new lower actinopterygian fish from the Upper Mississippian Bluefield Formation of West Virginia, USA
		<i>Braccohaplolepis</i>	<i>Braccohaplolepis fenestratum</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Cerinichthys</i>	<i>Cerinichthys koelblae</i>	新属种	是	France	Late Jurassic	Journal of Vertebrate Paleontology	<i>Cerinichthys koelblae</i> , gen et sp nov, from the Upper Jurassic of Cerin, France, and its phylogenetic setting, leading to a reassessment of the phylogenetic relationships of Halecomorphi (Actinopterygii)
		<i>Champsodon</i>	<i>Champsodon tethensis</i>	新种	否	Russia	Eocene	Proceedings of Paleontological Society	Bartonian bony fish fauna (Uppermost Middle Eocene) of the North Caucasus (Pshekha River)
		<i>Chaoia</i>	<i>Chaoia moguntiniformis</i>	新属	否	Austria	Neogene	Rivista Italiana di Paleontologia e Stratigrafia	Neogene Paratethyan croakers (Teleostei, Sciaenidae)
		<i>Clupea</i>	<i>Clupea macrocephala</i>	新种	是	Japan	Miocene	Paleontological Research	A new Miocene herring, <i>Clupea macrocephala</i> , from Sakaki Town, Hamishina County, Nagano, Japan
		<i>Coryphaenoides</i>	<i>Coryphaenoides serupus</i>	新种	是	Czech Republic	Middle Miocene	Cybium	Revision of the Middle Badenian fish otoliths from the Carpathian Foredeep in Moravia (Middle Miocene, Czech Republic)
		<i>Cowetaichthys</i>	<i>Cowetaichthys alabamae</i>	新属种	是	Denmark	Late Cretaceous and Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Cretolepis</i>	<i>Cretolepis dongbeiensis</i>	新属种	否	China	Early Cretaceous	Acta Geologica Sinica (English Edition)	A new genus of Paleomisciformes from the Early Cretaceous Longjiang Formation in Heilongjiang Province, China
		<i>Croatosciaena</i>	<i>Croatosciaena krambergeri</i>	新属种	否	Croatia	Middle Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Neogene Paratethyan croakers (Teleostei, Sciaenidae)
		<i>Cubariomma</i>	<i>Cubariomma yanakuzminae</i>	新属种	否	Russia	Early Oligocene	Paleontological Journal	A new genus and species of stromateoid fishes (Perciformes, Stromateoidei) from the Lower Oligocene of the Northern Caucasus

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		<i>Dapedium</i>	<i>Dapedium baltei</i>	新种	否	Germany	Middle Jurassic	Peerl	A new species of the deep-bodied actinopterygian <i>Dapedium</i> from the Middle Jurassic (Aalenian) of southwestern Germany
		<i>Doggerichthys</i>	<i>Doggerichthys anguilliformis</i>	新属种	否	Germany	Middle Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Eleogobius</i>	<i>Eleogobius prochazkai</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)
		<i>Elops</i>	<i>Elops eutawanus</i>	新种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Eoalosa</i>	<i>Eoalosa janvieri</i>	新属种	否	Italy	Eocene	PalZ	<i>Eoalosa janvieri</i> gen et sp nov, a new clupeid fish (Teleostei, Clupeiformes) from the Eocene of Monte Bolca, Italy
Amphibians	Ray-finned fishes	<i>Eoellimmichthys</i>	<i>Eoellimmichthys superstes</i>	新属种	否	Italy	Eocene	Papers in Palaeontology	An Eocene paraclupeid fish (Teleostei, Eilimmichthyiformes) from Bolca, Italy: the youngest marine record of double-armoured herrings
		<i>Eutawichthys</i>	<i>Eutawichthys compressus</i>	新属种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Furloichthys</i>	<i>Furloichthys bonarellii</i>	新属种	否	Italy	Late Cretaceous	Geo-Eco-Trop	Osteology and phylogenetic relationships of <i>Furloichthys bonarellii</i> gen and sp nov (Teleostei, Ichthyodectidae), a tropical fish from the Upper Cretaceous of central Italy
		<i>Fuyuanichthys</i>	<i>Fuyuanichthys wangi</i>	新属种	否	China	Middle Triassic	Peerl	<i>Fuyuanichthys wangi</i> gen et sp nov from the Middle Triassic (Ladinian) of China highlights the early diversification of ginglymodian fishes
		<i>Genartina</i>	<i>Genartina cretacea</i>	新种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Gobius</i>	<i>Gobius apuseni</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)

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Amphibians Ray-finned fishes		<i>Gobius</i>	<i>Gobius holcovae</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)
		<i>Gobius</i>	<i>Gobius manfredi</i>	新种	否	Romania	Middle Miocene	Palaeobiodiversity and Palaeoenvironments	A unique middle Miocene (Sarmatian) fish fauna from coastal deposits in the eastern Pannonian Basin (Romania)
		<i>Grimmenichthys</i>	<i>Grimmenichthys ansorgei</i>	新属种	否	Germany	Early Jurassic	Journal of Vertebrate Paleontology	<i>Grimmenichthys ansorgei</i> , gen et sp nov (Teleostei, Pholidophoriformes), and other 'pholidophoriform' fishes from the early Toarcian of Grimmen (Mecklenburg-Western Pomerania, Germany)
		<i>Guimaraotaichthys</i>	<i>Guimaraotaichthys problematicus</i>	新属种	否	Portugal	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Haqelypcnodus</i>	<i>Haqelypcnodus picteti</i>	新属种	否	Lebanon	Late Cretaceous	Geo-Eco-Trop	Osteology and phylogenetic relationships of <i>Haqelypcnodus picteti</i> gen and sp nov, a new pycnodont fish genus (Pycnodontidae) from the marine Late Cretaceous tropical sea of Lebanon
		<i>Ijimaia</i>	<i>Ijimaia rara</i>	新种	是	Czech Republic	Middle Miocene	Cybiurn	Revision of the Middle Badenian fish otoliths from the Carpathian Foredeep in Moravia (Middle Miocene, Czech Republic)
		<i>Italoalbula</i>	<i>Italoalbula pietrarajae</i>	新属种	否	Italy	Early Cretaceous	Thalassia Salentina (Data Set)	Osteology and relationships of <i>Italoalbula pietrarajae</i> gen and sp nov (Teleostei, Albuliformes) from the Marine Cretaceous of Pietraraja (Campania, Southern Italy)
		<i>Joffrichthys</i>	<i>Joffrichthys tanyourus</i>	新种	是	Canada	Paleocene	Zoological Journal of the Linnean Society	Two new Palaeocene osteoglossomorphs from Canada, with a reassessment of the relationships of the genus <i>Joffrichthys</i> , and analysis of diversity from articulated versus microfossil material
		<i>Kalabisia</i>	<i>Kalabisia krumvirensis</i>	新属种	否	Czech Republic	Oligocene-early Miocene	Bulletin of Geosciences	Ophidiiform fishes from the Oligocene-early Miocene of Moravia, Czech Republic
		<i>Lagocephalus</i>	<i>Lagocephalus striatus</i>	新种	否	Panama	Miocene	Journal of South American Earth Sciences	First Neogene Proto-Caribbean pufferfish: new evidence for tetraodontidae radiation
		<i>Lanarkichthys</i>	<i>Lanarkichthys gardineri</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)

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		<i>Landinisciaena</i>	<i>Landinisciaena popovi</i>	新属种	否	Belgium	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Neogene Paratethyan croakers (Teleostei, Sciaenidae)
		<i>Lanxangichthys</i>	<i>Lanxangichthys alticephalus</i>	新属种	否	Laos	Early Cretaceous	Journal of Systematic Palaeontology	A new Lepisosteiformes (Actinopterygii: Ginglymodi) from the Early Cretaceous of Laos and Thailand, SE Asia
		<i>Lasalichthys</i>	<i>Lasalichthys otischalkensis</i>	新种	是	United States	Late Triassic	Journal of Vertebrate Paleontology	A new species of <i>Lasalichthys</i> (<i>Actinopterygii</i> , <i>Redfieldiiformes</i>) from the Upper Triassic Dockum Group of Howard County, Texas, with revisions to the genera <i>Lasalichthys</i> and <i>Synorichthys</i>
		<i>Leptoelops</i>	<i>Leptoelops rhenanus</i>	新属	否	Germany	Middle Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Leptosciaena</i>	<i>Leptosciaena caputoi</i>	新属	否	Azerbaijan	Neogene	Rivista Italiana di Paleontologia e Stratigrafia	Neogene Paratethyan croakers (Teleostei, Sciaenidae)
Amphibians	Ray-finned fishes	<i>Leuroglossus</i>	<i>Leuroglossus kobylitskiyi</i>	新种	否	Russia	Middle-Late Miocene	Journal of Vertebrate Paleontology	Neogene deep-sea smelts (<i>Argentiniiformes</i> : <i>Microstomatidae</i>) from the Far East Russia
		<i>Libanopycnodus</i>	<i>Libanopycnodus wenzii</i>	新属种	否	Lebanon	Late Cretaceous	European Journal of Taxonomy	Osteology and relationships of <i>Libanopycnodus wenzii</i> gen et sp nov and <i>Sigmampycnodus giganteus</i> gen et sp nov (<i>Pycnodontiiformes</i>) from the Late Cretaceous of Lebanon
		<i>Lopadichthys</i>	<i>Lopadichthys colwellae</i>	新属种	是	Canada	Paleocene	Zoological Journal of the Linnean Society	Two new Palaeocene osteoglossomorphs from Canada, with a reassessment of the relationships of the genus <i>Joffrichthys</i> , and analysis of diversity from articulated versus microfossil material
		<i>Macroynis</i>	<i>Macroynis casieri</i>	新属种	否	United Kingdom	Eocene	Papers in Palaeontology	Morphology and phylogenetic relationships of fossil snake mackerels and cutlassfishes (<i>Trichiuroidea</i>) from the Eocene (Ypresian) London Clay Formation
		<i>Motlayoichthys</i>	<i>Motlayoichthys sergioi</i>	新属种	否	Mexico	Cretaceous	Fossil Record	A new pachyrhizodontid fish (<i>Actinopterygii</i> , <i>Teleostei</i>) from the Muhi Quarry (Albian-Cenomanian), Hidalgo, Mexico

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Amphibians	Ray-finned fishes	<i>Mylocheilus</i>	<i>Mylocheilus kevinmeeksi</i>	新种	否	United States	Miocene	Miscellaneous Publications Museum of Zoology, University of Michigan	Fishes of the Mio-Pliocene Western Snake River Plain and vicinity IV Fossil fishes from the Miocene Ellensburg Formation, south central Washington
		<i>Nardoglossus</i>	<i>Nardoglossus sanctibernardini</i>	新属种	否	Italy	Late Cretaceous	Bollettino del Museo Civico di Storia Naturale di Verona	Les poissons crétacés de Nardo 40° Nardoglossus sanctibernardini gen et sp nov (Teleostei, Gonorynchiformes, Gonorynchoidei)
		<i>Nipponocypris</i>	<i>Nipponocypris takayamai</i>	新种	否	Japan	Middle Pleistocene	Paleontological Research	Nipponocypris takayamai, a new species of cyprinid fish from the Nogami Formation (Middle Pleistocene) in the southern part of the Kusu Basin, Oita, Japan
		<i>Palealbula</i>	<i>Palealbula declivis</i>	新种	否	Germany	Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Palealbula</i>	<i>Palealbula depressidorsalis</i>	新种	否	United Kingdom	Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Paleoschizothorax</i>	<i>Paleoschizothorax qaidamensis</i>	新属种	否	China	Oligocene	Journal of Vertebrate Paleontology	New schizothoracine from Oligocene of Qaidam Basin, northern Tibetan Plateau, China, and its significance
		<i>Paleoserranus</i>	<i>Paleoserranus lakamhae</i>	新属种	否	Mexico	Paleocene	Journal of South American Earth Sciences	Paleoserranus lakamhae gen et sp nov, a Paleocene seabass (Perciformes: Serranidae) from Palenque, Chiapas, southeastern Mexico
		<i>Parahaplolepis</i>	<i>Parahaplolepis poppaea</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Peltopleurus</i>	<i>Peltopleurus tyrannos</i>	新种	否	China	Middle Triassic	Vertebrata Palasiatica	A large peltopleurid fish (Actinopterygii: Peltopleuriformes) from the Middle Triassic of Yunnan and Guizhou, China
		<i>Pickeringius</i>	<i>Pickeringius acanthophorus</i>	新属种	否	Australia	Late Devonian	Papers in Palaeontology	A new actinopterygian from the Late Devonian Gogo Formation, Western Australia
		<i>Piranhamesodon</i>	<i>Piranhamesodon pinnatomus</i>	新属种	否	Germany	Late Jurassic	Current Biology	A Piranha-like Pycnodontiform Fish from the Late Jurassic

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Amphibians	Ray-finned fishes	<i>Pontosciaena</i>	<i>Pontosciaena acuterostrata</i>	新属	否	Crimean	Neogene	Rivista Italiana di Paleontologia e Stratigrafia	Neogene Paratethyan croakers (Teleostei, Sciaenidae)
		<i>Protalbula</i>	<i>Protalbula websteri</i>	新种	否	United Kingdom	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Protarpon</i>	<i>Protarpon boualii</i>	新种	否	Morocco	Paleocene	Historical Biology	A new Palaeocene Megalopidae (Teleostei, Elopomorpha) from the phosphate basins of Morocco
		<i>Protoelops</i>		新属	否	Spain	Middle Jurassic to Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Protosciaena</i>	<i>Protosciaena kirbyorum</i>	新种	否	United States	Early Pliocene	Bulletin of the Florida Museum of Natural History	Teleostean otoliths reveal diverse Pliocene fish assemblages in coastal Georgia (Glynn County)
		<i>Pseudogonatodus</i>	<i>Pseudogonatodus aurulentum</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Pseudohaplolepis</i>	<i>Pseudohaplolepis argentiatum</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Pseudotrichiurus</i>	<i>Pseudotrichiurus sagax</i>	新属种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Pterotrissus</i>	<i>Pterotrissus carolinensis</i>	新种	否	United States	Late Cretaceous	Eastern Paleontologist	First description and significance of Cretaceous teleostean otoliths (Tar Heel Formation, Campanian) from North Carolina
		<i>Quasimodichthys</i>	<i>Quasimodichthys pitauhyensis</i>	新属	否	Brazil	Late Jurassic	Journal of South American Earth Sciences	Quasimodichthys gen nov (Neopterygii: Semionotiformes): A morphological and ontogenetic study
		<i>Rhadinichthys</i>	<i>Rhadinichthys glabrolepis</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)

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Amphibians	Ray-finned fishes	<i>Rhadiniichthys</i>	<i>Rhadiniichthys ornatocephalum</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Rhadiniichthys</i>	<i>Rhadiniichthys plumosum</i>	新种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	An early actinopterygian ichthyofauna from the Scottish Lower Coal Measures Formation: Westphalian A (Bashkirian)
		<i>Sanjuanableps</i>	<i>Sanjuanableps calingasta</i>	新属种	否	Argentina	Late Miocene	Journal of South American Earth Sciences	New genus and species of Anablepidae (Teleostei, Cyprinodontiformes) from the Late Miocene of Argentina
		<i>Saurichthys</i>	<i>Saurichthys spinosa</i>	新种	否	China	Middle Triassic	Vertebrata Palasiatica	A new species of Saurichthys from the Middle Triassic (Anisian) of southwestern China
		<i>Sciades</i>	<i>Sciades latissimum</i>	新种	否	Venezuela	Middle Triassic	Vertebrata Palasiatica	A new species of Saurichthys from the Middle Triassic (Anisian) of southwestern China
		<i>Sciades</i>	<i>Sciades peregrinus</i>	新种	否	Venezuela	Middle Triassic	Vertebrata Palasiatica	A new species of Saurichthys from the Middle Triassic (Anisian) of southwestern China
		<i>Scopulipiscis</i>	<i>Scopulipiscis saxciput</i>	新属种	否	Switzerland	Late Triassic	Royal Society Open Science	A giant dapediid from the Late Triassic of Switzerland and insights into neopterygian phylogeny
		<i>Sigmapycnodus</i>	<i>Sigmapycnodus giganteus</i>	新属种	否	Lebanon	Late Cretaceous	European Journal of Taxonomy	Osteology and relationships of <i>Libanopycnodus wenzii</i> gen et sp nov and <i>Sigmapycnodus giganteus</i> gen et sp nov (Pycnodontiformes) from the Late Cretaceous of Lebanon
		<i>Sphaeronchus</i>	<i>Sphaeronchus rundlei</i>	新种	否	United Kingdom	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Vinctifer</i>	<i>Vinctifer ferrusquiai</i>	新种	否	Mexico	Late Jurassic	Revista Mexicana de Ciencias Geológicas	On the occurrence of <i>Vinctifer ferrusquiai</i> sp nov (Actinopterygii, Aspidorhynchiformes) in the Kimmeridgian (Late Jurassic) deposits near Tlaxiaco, Oaxaca, southern Mexico

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Amphibians	Ray-finned fishes	<i>Iox</i>	<i>Iox thlotlo</i>	新属种	是	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	A late Santonian fish-fauna from the Eutaw Formation of Alabama reconstructed from otoliths
		<i>Wettonius</i>	<i>Wettonius angeloi</i>	新属种	否	Italy	Eocene	Bollettino della Società Paleontologica Italiana	A sailfin velifer (Lampridiformes, Veliferidae) fish from the Eocene of Monte Bolca, Italy
		<i>Xenoleptolepis</i>		新属	否	Germany	Early Jurassic to Early Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A review of Jurassic and Early Cretaceous otoliths and the development of early morphological diversity in otoliths
		<i>Yuskaichthys</i>	<i>Yuskaichthys eocenicus</i>	新属种	否	Argentina	Eocene	Journal of Vertebrate Paleontology	A new Andinichthyidae catfish (Ostariophysi, Siluriformes) from the Paleogene of northwestern Argentina
		<i>Zaprora</i>	<i>Zaprora koreana</i>	新种	否	South Korea	Neogene	Journal of Vertebrate Paleontology	Fossil prowlfish, <i>Zaprora koreana</i> , sp nov (Pisces, Zaproridae), from the Neogene of South Korea
		<i>Zurupleuropholis</i>	<i>Zurupleuropholis decollavi</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	<i>Zurupleuropholis</i> gen nov (Teleostei, Albian, Argentina), first pleuropholids from the Cretaceous of South America
		<i>Zurupleuropholis</i>	<i>Zurupleuropholis quijadensis</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	<i>Zurupleuropholis</i> gen nov (Teleostei, Albian, Argentina), first pleuropholids from the Cretaceous of South America
		<i>Celsiodon</i>	<i>Celsiodon athlbergi</i>	新属种	否	Greenland	Devonian	Papers in Palaeontology	Newly recognized Famennian lungfishes from East Greenland reveal tooth plate diversity and blur the Devonian–Carboniferous boundary
		<i>Ceratodus</i>	<i>Ceratodus tunuensis</i>	新种	否	Greenland	Late Triassic	Journal of Vertebrate Paleontology	<i>Ceratodus tunuensis</i> , sp nov, a new lungfish (Sarcopterygii, Dipnoi) from the Upper Triassic of central East Greenland
		<i>Eusthenopteron</i>	<i>Eusthenopteron jenkinsi</i>	新种	否	Canada	Devonian	Breviora	<i>Eusthenopteron jenkinsi</i> sp nov (Sarcopterygii, Tristichopteridae) from the Upper Devonian of Nunavut, Canada, and a review of <i>Eusthenopteron</i> taxonomy
<i>Mawsonia</i>	<i>Mawsonia soba</i>	新种	否	Cameroon	Early Cretaceous	Cretaceous Research	First occurrence of a mawsoniid (Sarcopterygii: Actinistia), <i>Mawsonia soba</i> sp nov, in pre-Aptian Cretaceous deposits from Cameroon		

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Amphibians		<i>Psychoceratodus</i>	<i>Psychoceratodus oldhami</i>	新种	否	India	Late Triassic	Historical Biology	A record of new lungfishes (Osteichthyes: Dipnoi) from the Carnian (Upper Triassic) of India
		<i>Andersonerpeton</i>	<i>Andersonerpeton longidentatum</i>	新属	否	Canada	Carboniferous	Royal Society Open Science	A basal aistopod from the earliest Pennsylvanian of Canada, and the antiquity of the first limbless tetrapod lineage
		<i>Electrorana</i>	<i>Electrorana limoae</i>	新属种	否	Myanmar	Late Cretaceous	Scientific Reports	The earliest direct evidence of frogs in wet tropical forests from Cretaceous Burmese amber
		<i>Enosuchus</i>	<i>Enosuchus abveolatus</i>	新种	否	Russia	Late Permian	Paleontological Journal	New data on enosuchid anthracosauromorphs (Amphibia) of the Middle-Late Permian of European Russia: Part 2 New taxa of Enosuchidae
		<i>Kitiakia</i>	<i>Kitiakia firma</i>	新属种	否	Russia	Middle Permian	Paleontological Journal	New data on enosuchid anthracosauromorphs (Amphibia) of the Middle-Late Permian of European Russia: Part 2 New taxa of Enosuchidae
		<i>Kulgeriherpeton</i>	<i>Kulgeriherpeton ultimus</i>	新属种	否	Russia	Early Cretaceous	Acta Palaeontologica Polonica	A new relict stem salamander from the Early Cretaceous of Yakutia, Siberian Russia
		<i>Laosuchus</i>	<i>Laosuchus naga</i>	新属种	否	Laos	Permian-Triassic boundary	Journal of Systematic Palaeontology	<i>Laosuchus naga</i> gen et sp nov, a new chroniosuchian from South-East Asia (Laos) with internal structures revealed by micro-CT scan and discussion of its palaeobiology
		<i>Latonia</i>	<i>Latonia caucasica</i>	新属种	否	Russia	Late Miocene	Palaeobiodiversity and Palaeoenvironments	New <i>Latonia</i> (Amphibia: Alytidae) from the late Miocene of northern Caucasus (Russia)
		<i>Mengbatrachus</i>	<i>Mengbatrachus moqi</i>	新属种	否	China	Early Cretaceous	Geological Bulletin of China	A new Early Cretaceous anuran amphibian from Northeast China
		<i>Mesanerpeton</i>	<i>Mesanerpeton woodi</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	A new tetrapod from Romer's Gap reveals an early adaptation for walking
Reptile		<i>Mioproteus gardneri</i>	<i>Mioproteus gardneri</i>	新种	否	Romania	Early Oligocene	Journal of Vertebrate Paleontology	A new proteid salamander from the early Oligocene of Romania with notes on the paleobiogeography of Eurasian proteids
		<i>Noxobeia</i>	<i>Noxobeia gracilis</i>	新属种	否	United States	Permian	Canadian Journal of Earth Sciences	Reappraisal of the Permian dissorophid <i>Fayella chickashaensis</i>

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Reptile	"Lobe-finned fishes"	<i>Shirenpeton</i>	<i>Shirenpeton isajii</i>	新属种	否	Japan	Early Cretaceous	PLOS ONE	The first record of albanerpetontid amphibians (Amphibia: Albanerpetontidae) from East Asia	
		<i>Tantallognathus</i>	<i>Tantallognathus woodi</i>	新属种	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	A partial lower jaw of a tetrapod from "Romer's Gap"	
		<i>Tutusius</i>	<i>Tutusius umlambo</i>	新属种	否	South Africa	Devonian	Science	Science	A tetrapod fauna from within the Devonian Antarctic Circle
		<i>Umzanisia</i>	<i>Umzanisia amazana</i>	新属种	否	South Africa	Devonian	Science	Science	A tetrapod fauna from within the Devonian Antarctic Circle
		<i>Amananulam</i>	<i>Amananulam sanogoi</i>	新属种	否	Mali	Paleocene	Acta Palaeontologica Polonica	Acta Palaeontologica Polonica	Large palaeophiid and nigerophiid snakes from Paleogene Trans-Saharan Seaway deposits of Mali
		<i>Amaru</i>	<i>Amaru scagliai</i>	新属种	否	Argentina	Early Eocene	Geobios	Geobios	New macrostomatan snake from the Paleogene of northwestern Argentina
		<i>Anguis</i>	<i>Anguis rarus</i>	新种	是	Germany	Early Miocene	Geological Magazine	Geological Magazine	New material of Ophisaurus, Anguis and Pseudopus (Squamata, Anguinae, Anguinae) from the Miocene of the Czech Republic and Germany and systematic revision and palaeobiogeography of the Cenozoic Anguinae
		<i>Barlochersaurus</i>	<i>Barlochersaurus winthini</i>	新属种	否	Myanmar	Late Cretaceous	Breviora	Breviora	"An Enigmatic Miniaturized and Attenuate Whole Lizard from Myanmar"
		<i>Bicuspidon</i>	<i>Bicuspidon hogreli</i>	新种	否	Morocco	Late Cretaceous	The Science of Nature	The Science of Nature	The first Gondwanan borioiteiid lizard and the mid-Cretaceous dispersal event between North America and Africa
		<i>Boa</i>	<i>Boa blanchardensis</i>	新种	否	France	Late Pleistocene	Journal of Vertebrate Paleontology	Journal of Vertebrate Paleontology	A new fossil species of Boa Linnaeus, 1758 (Squamata, Boidae), from the Pleistocene of Marie-Galante Island (French West Indies)
		<i>Callopietes</i>	<i>Callopietes rionegrensis</i>	新种	否	Argentina	Early Miocene	Journal of Vertebrate Paleontology	Journal of Vertebrate Paleontology	A new terid lizard of the genus Callopietes Gravenhorst, 1838 (Squamata, Teiidae), from the lower Miocene of Argentina
		<i>Euleptes</i>	<i>Euleptes klembarai</i>	新种	否	Slovakia	Miocene	Swiss Journal of Geosciences	Swiss Journal of Geosciences	Geckos from the middle Miocene of Devínska Nova Ves (Slovakia): new material and a review of the previous record
		<i>Primitivus</i>	<i>Primitivus manduriensis</i>	新属种	否	Italy	Late Cretaceous	Royal Society Open Science	Royal Society Open Science	A new fossil marine lizard with soft tissues from the Late Cretaceous of southern Italy

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Reptile	Lizards and snakes	<i>Stenoplosaurus</i>		新属	否	China	Middle Eocene	New Mexico Museum of Natural History and Science Bulletin	Stenoplosaurus mongoliensis, a new generic name for "Placosaurus" mongoliensis (Anguidae, Glyptosaurinae) from the Shara Murun Formation, Nei Mongol (Inner Mongolia), China
		<i>Tsagansaurus</i>	<i>Tsagansaurus nemegetensis</i>	新属种	否	Mongolia	"Late Paleocene"	Paleontological Journal	A new platynotan lizard (Parasaniwidae, Anguimorpha) from the Late Paleocene of southern Mongolia
		<i>Tylosaurus</i>	<i>Tylosaurus saskatchewanensis</i>	新种	否	Canada	Late Cretaceous	Journal of Systematic Palaeontology	A new species of tylosaurine mosasaur from the upper Campanian Bearpaw Formation of Saskatchewan, Canada
		<i>Xiaophis</i>	<i>Xiaophis myanmarensis</i>	新属种	否	"Myanmar"	Late Cretaceous	Science Advances	A mid-Cretaceous embryonic-to-neonate snake in amber from Myanmar
		<i>Arminisaurus</i>	<i>Arminisaurus schuberti</i>	新属种	否	Germany	Early Jurassic	Alcheringa: An Australasian Journal of Palaeontology	A rare new Pliensbachian plesiosaurian from the Amaltheenton Formation of Bielefeld in northwestern Germany
		<i>Paludidraco</i>	<i>Paludidraco multidentatus</i>	新属种	否	Spain	Late Triassic	Biology Letters	New highly pachyostotic nothosauroid interpreted as a filter-feeding Triassic marine reptile
		<i>Parahenodus</i>	<i>Parahenodus atancensis</i>	新属种	否	Spain	Late Triassic	Papers in Palaeontology	A new placodont from the Upper Triassic of Spain provides new insights on the acquisition of the specialized skull of Henodontidae
		<i>Pliosaurus</i>	<i>Pliosaurus almanzaensis</i>	新种	否	Argentina	Late Jurassic	Journal of Paleontology	A new Pliosaurus species (Sauropterygia, Plesiosauroidea) from the Upper Jurassic of Patagonia: new insights on the Trithonian morphological disparity of mandibular symphyseal morphology
		<i>Sachicasaurus</i>	<i>Sachicasaurus vitae</i>	新属种	否	Colombia	Early Cretaceous	Earth Sciences Research Journal	A new large pliosauroid from the Barremian (Lower Cretaceous) of Sáchica, Boyacá, Colombia
				<i>Allaeocheilus</i>	<i>Allaeocheilus rouzilhacensis</i>	新种	否	France	Revue de Paléobiologie, Genève
	Turtles	<i>Barnesia</i>	<i>Barnesia Thalmann</i>	新属	否	Germany	Mainzer Naturwissenschaftliches Archiv	Die Schildkröten aus den Mitteleozänen Sedimenten des Eckfelder Maares mit taxonomischen Notizen zu Testudo eocaenica Hummel, 1935 (Mitteleozän, Deutschland, Rheinland-Pfalz, Vulkaneifel)	

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Reptile	Turtles	<i>Basilemys</i>	<i>Basilemys morrinensis</i>	新种	否	Canada	Late Cretaceous	Journal of Vertebrate Paleontology	Basilemys morrinensis, a new species of manihungchelyid turtle from the Horseshoe Canyon Formation (Upper Cretaceous) of Alberta, Canada
		<i>Borkenia</i>	<i>Borkenia eckfeldense</i>	新种	否	Germany	Eocene	Mainzer Naturwissenschaftliches Archiv	Die Schildkröten aus den Miozänen Sedimenten des Eckfelder Maares mit taxonomischen Notizen zu Testudo eocaenica Hummel, 1935 (Miozän, Deutschland, Rheinland-Pfalz, Vulkaneifel)
		<i>Borkenia</i>	<i>Borkenia philippeni</i>	新种	否	Germany	Eocene	Mainzer Naturwissenschaftliches Archiv	Die Schildkröten aus den Miozänen Sedimenten des Eckfelder Maares mit taxonomischen Notizen zu Testudo eocaenica Hummel, 1935 (Miozän, Deutschland, Rheinland-Pfalz, Vulkaneifel)
		<i>Chelonoidis</i>	<i>Chelonoidis dominicensis</i>	新种	否	Dominican Republic	Probably Late Quaternary	American Museum Novitates	Fossil land tortoises (Testudines, Testudinidae) from the Dominican Republic, West Indies, with a description of a new species
		<i>Eochelone</i>	<i>Eochelone voltregana</i>	新种	否	Spain	Eocene	Fossil Record	The turtles from the upper Eocene, Osona County (Ebro Basin, Catalonia, Spain): new material and its faunistic and environmental context
		<i>Eochersis</i>	<i>Eochersis eiflaensis</i>	新属种	否	Germany	Eocene	Mainzer Naturwissenschaftliches Archiv	Die Schildkröten aus den Miozänen Sedimenten des Eckfelder Maares mit taxonomischen Notizen zu Testudo eocaenica Hummel, 1935 (Miozän, Deutschland, Rheinland-Pfalz, Vulkaneifel)
		<i>Eochersina</i>		新属	否	Austria	Eocene	Mainzer Naturwissenschaftliches Archiv	Die Schildkröten aus den Miozänen Sedimenten des Eckfelder Maares mit taxonomischen Notizen zu Testudo eocaenica Hummel, 1935 (Miozän, Deutschland, Rheinland-Pfalz, Vulkaneifel)
		<i>Eotaphrosphys</i>	<i>Eotaphrosphys ambiguum</i>	新属	否	France	Late Cretaceous	Historical Biology	“New genera of Taphrosphyina (Pleurodira, Bothremyidae) for the French Maastrichtian” “Tretosternum” “ambiguum and the Peruvian Ypresian “Podocnemis” “olssoni”

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Reptile	Turtles	<i>Eulalichelys</i>	<i>Eulalichelys labarerei</i>	新属种	否	France	Eocene	Revue de Paléobiologie, Genève	Un nouveau gisement à vertébrés éocènes, Rouzilhac (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Gilmoremys</i>	<i>Gilmoremys getyspherensis</i>	新种	否	United States	Late Cretaceous	Journal of Paleontology	A new species of trionychid turtle from the Upper Cretaceous (Campanian) Fruitland Formation of New Mexico, USA
		<i>Jeholochelys</i>	<i>Jeholochelys linguuensis</i>	新属种	否	China	Early Cretaceous	PeerJ	Hyperhalangy in a new sinemydid turtle from the Early Cretaceous Jehol Biota
		<i>Mauremys</i>	<i>Mauremys aristotelica</i>	新种	否	Greece	Late Miocene to Pliocene	Papers in Palaeontology	A new species of Mauremys (Testudines, Geoemydidae) from the late Miocene – Pliocene of Central Macedonia (northern Greece) with exceptionally wide vertebral scutes
		<i>Motelomama</i>	<i>Motelomama olssoni</i>	新属	否	Peru	Eocene	Historical Biology	Tretosternum "ambiguum and the Peruvian Ypresian "Podocnemis" olssoni"
		<i>Owadowia</i>	<i>Owadowia borsukbiałynickae</i>	新属种	否	Poland	Late Jurassic	Geological Journal	A new pancryptodiran turtle from the Late Jurassic of Poland and palaeobiology of early marine turtles
		<i>Peritresius</i>	<i>Peritresius martini</i>	新种	否	United States	Late Cretaceous	PLOS ONE	A new species of Peritresius Leidy, 1856 (Testudines: Pan-Cheloniidae) from the Late Cretaceous (Campanian) of Alabama, USA, and the occurrence of the genus within the Mississippi Embayment of North America
		<i>Sinemys</i>	<i>Sinemys chabuensis</i>	新种	否	China	Early Cretaceous	Acta Geologica Sinica	A new Early Cretaceous turtle from Otog Qi, Inner Mongolia, China
		<i>Trachemy</i>	<i>Trachemyx haugrudi</i>	新种	否	United States	Late Hemphillian	PeerJ	A new slider turtle (Testudines: Emydidae: Deirochelyinae: Trachemyx) from the late Hemphillian (late Miocene/early Pliocene) of eastern Tennessee and the evolution of the deirochelyines
		<i>Yuraramirim</i>	<i>Yuraramirim montealtensis</i>	新属种	否	Brazil	Late Cretaceous	PalZ	New turtle remains from the Late Cretaceous of Monte Alto-SP, Brazil, including cranial osteology, neuroanatomy and phylogenetic position of a new taxon
		<i>Clevoasaurus</i>	<i>Clevoasaurus cambrica</i>	新种	否	United Kingdom	Late Triassic	Proceedings of the Geologists' Association	The terrestrial fauna of the Late Triassic Pant-y-fynnon Quarry fissures, South Wales, UK and a new species of Clevoasaurus (Lepidosauria: Rhynchocephalia)

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Reptile	Other reptiles	<i>Colobops</i>	<i>Colobops noviportensis</i>	新属种	否	United States	Late Triassic	Nature Communications	A tiny Triassic saurian from Connecticut and the early evolution of the diapsid feeding apparatus
		<i>Elginia</i>	<i>Elginia wuyongae</i>	新种	否	China	Late Permian	Papers in Palaeontology	The tetrapod fauna of the upper Permian Naobaogou Formation of China: a new species of <i>Elginia</i> (Parareptilia, Pareiasauria)
		<i>Eorhynchochelys</i>	<i>Eorhynchochelys sinensis</i>	新属种	否	China	Late Triassic	Nature	A Triassic stem turtle with an edentulous beak
		<i>Fraserosphenodon</i>		新种	是	United Kingdom	Late Triassic	Journal of Paleontology	Taxonomic reassessment of <i>Clevoosaurus latidens</i> Fraser, 1993 (Lepidosauria, Rhynchocephalia) and rhynchocephalian phylogeny based on parsimony and Bayesian inference
		<i>Fraxinisaura</i>	<i>Fraxinisaura rozynekae</i>	新属种	否	Germany	Middle Triassic	Journal of Vertebrate Paleontology	A new lepidosauromorph reptile from the Middle Triassic (Ladinian) of Germany and its phylogenetic relationships
		<i>Labidosauriscus</i>	<i>Labidosauriscus richardi</i>	新属种	否	United States	Early Permian	Papers in Palaeontology	A new small captorhinid reptile from the lower Permian of Oklahoma and resource partitioning among small captorhinids in the Richards Spur fauna
		<i>Mandaphon</i>	<i>Mandaphon nadra</i>	新属种	否	Tanzania	Triassic	Journal of Vertebrate Paleontology	<i>Mandaphon nadra</i> , gen et sp nov, a new procolophonid from the Manda Beds of Tanzania
		<i>Wachtlerosaurus</i>	<i>Wachtlerosaurus ladinicus</i>	新属种	否	Italy	Middle Triassic	Some new and exciting Triassic Archosauria from the Dolomites (Northern Italy)	A new interesting archosaur from the Ladinian (Middle Triassic) of the Dolomites (Northern Italy)
		<i>Aktiogavialis</i>	<i>Aktiogavialis caribesi</i>	新种	否	Venezuela	Late Miocene	Journal of Systematic Palaeontology	New Miocene Caribbean gavialoids and patterns of longirostry in crocodylians
		<i>Anteophthalmosuchus</i>	<i>Anteophthalmosuchus epikrator</i>	新种	否	United Kingdom	Early Cretaceous	Cretaceous Research	A new species of <i>Anteophthalmosuchus</i> (Crocodylomorpha, Goniopholididae) from the Lower Cretaceous of the Isle of Wight, United Kingdom, and a review of the genus
Archosaur	Pseudosuchians	<i>Barrosasuchus</i>	<i>Barrosasuchus neuquenianus</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new and complete peirosaurid (Crocodyliformes, Notosuchia) from Sierra Barrosa (Santonian, Upper Cretaceous) of the Neuquén Basin, Argentina

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Archosaur	Pseudosuchians	<i>Caipirasuchus</i>	<i>Caipirasuchus mineirus</i>	新种	否	Brazil	Late Cretaceous	PeerJ	The first <i>Caipirasuchus</i> (Mesoeucrocodylia, Notosuchia) from the Late Cretaceous of Minas Gerais, Brazil: new insights on sphagesaurid anatomy and taxonomy
		<i>Dadagavialis</i>	<i>Dadagavialis gunai</i>	新属种	否	Panama	Early Miocene	Journal of Systematic Palaeontology	New Miocene Caribbean gavialoids and patterns of longirostry in crocodylians
		<i>Jiangxisuchus</i>	<i>Jiangxisuchus nankangensis</i>	新属种	否	China	Maastrichtian	Cretaceous Research	A new crocodyloid (Eusuchia: Crocodylia) from the Upper Cretaceous of China
		<i>Kinesuchus</i>	<i>Kinesuchus overoi</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new peirosaurid from the Bajo de la Carpá Formation (Upper Cretaceous, Santonian) of Cerro Overo, Neuquén, Argentina
		<i>Magyarosuchus</i>	<i>Magyarosuchus fitosi</i>	新属种	否	Hungary	Early Jurassic	PeerJ	A new large-bodied thalattosuchian crocodyliform from the Lower Jurassic (Toarcian) of Hungary, with further evidence of the mosaic acquisition of marine adaptations in Metriorhynchoidea
		<i>Maledictosuchus</i>	<i>Maledictosuchus nuyvijanan</i>	新种	否	Mexico	Late Jurassic	Journal of Vertebrate Paleontology	The marine crocodile <i>Maledictosuchus</i> (Thalattosuchia, Metriorhynchidae) from the Kimmeridgian deposits of Tlaxiaco, Oaxaca, southern Mexico
		<i>Mandasuchus</i>	<i>Mandasuchus tanyauchen</i>	新属种	否	Tanzania	Triassic	Journal of Vertebrate Paleontology	<i>Mandasuchus tanyauchen</i> , gen et sp nov, a pseudosuchian archosaur from the Manda Beds (?Middle Triassic) of Tanzania
		<i>Pagosvenator</i>	<i>Pagosvenator candelaricensis</i>	新属种	否	Brazil	Middle–Late Triassic	Zoological Journal of the Linnean Society	A new erpetosuchid (Pseudosuchia, Archosauria) from the Middle–Late Triassic of Southern Brazil
		<i>Portugalosuchus</i>	<i>Portugalosuchus azenhae</i>	新属种	否	Portugal	Late Cretaceous	Zoological Journal of the Linnean Society	A new eusuchian crocodylomorph from the Cenomanian (Late Cretaceous) of Portugal reveals novel implications on the origin of Crocodylia
		<i>Protocaiman</i>	<i>Protocaiman peligrensis</i>	新属种	否	Argentina	Paleocene	Proceedings of the Royal Society B: Biological Sciences	A new Paleocene crocodylian from southern Argentina sheds light on the early history of caimanes
		<i>Roxochampsa</i>	<i>Roxochampsa paulistanus</i>	新属	是	Brazil	Late Cretaceous	PLOS ONE	Reassessment of the enigmatic crocodyliform “ <i>Goniopholis</i> ” <i>paulistanus</i> Roxo, 1936: Historical approach, systematic, and description by new materials

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Archosaur	Pseudosuchians	<i>Theriosuchus</i>	<i>Theriosuchus morrisonensis</i>	新种	否	United States	Late Jurassic	Geology of the Intermountain West	A new atopsaurid crocodylomorph from the Morrison Formation (Upper Jurassic) of Wyoming, USA	
		<i>Wahasuchus</i>	<i>Wahasuchus egyptensis</i>	新属种	否	Egypt	Late Cretaceous	Cretaceous Research	An enigmatic crocodyliform from the Upper Cretaceous Quseir Formation, central Egypt	
		<i>Aquila</i>	<i>Aquila claudesguerini</i>	新种	否	France	Early Pleistocene	Quaternaire	The birds from the Early Pleistocene of Ceyssaguet (L'avoûte-sur-Loire, Haute-Loire, France): description of a new species of the genus <i>Aquila</i>	
		<i>Ardenna</i>	<i>Ardenna davealleni</i>	新种	否	New Zealand	Pliocene	Tuhinga: Records of the Museum of New Zealand	A new species of Pliocene shearwater (Aves: Procellariidae) from New Zealand	
	Birds		<i>Chenoanas</i>	<i>Chenoanas asiatica</i>	新种	否	China	Middle Miocene	Papers in Palaeontology	The middle Miocene duck <i>Chenoanas</i> (Aves, Anatidae): new species, phylogeny and geographical range
			<i>Cinclosoma</i>	<i>Cinclosoma elachum</i>	新种	否	Australia	Miocene	Acta Palaeontologica Polonica	Quail-thrush birds from the Miocene of northern Australia
			<i>Ducula</i>	<i>Ducula thionireasini</i>	新种	否	French	Holocene	Palaeontologia Electronica	New prehistoric avifaunas from the Gambier Group, French Polynesia
			<i>Eogranivora</i>	<i>Eogranivora edentulata</i>	新属种	是	China	Early Cretaceous	Proceedings of the Royal Society B: Biological Sciences	Reinterpretation of a previously described Jehol bird clarifies early trophic evolution in the Ornithuromorpha
			<i>Gettyia</i>	<i>Gettyia gloriae</i>	新属	否	United States	Late Cretaceous	PeerJ	The most complete enantiornithine from North America and a phylogenetic analysis of the Avisauridae
			<i>Jinguoformis</i>	<i>Jinguoformis perplexus</i>	新属种	否	China	Early Cretaceous	Proceedings of the National Academy of Sciences of America	A new clade of basal Early Cretaceous pygostylian birds and developmental plasticity of the avian shoulder girdle
			<i>Kischinskiania</i>	<i>Kischinskiania scandens</i>	新属种	否	Russia	Early Miocene	Paleontological Journal	A scansorial passerine bird (Passeriformes, Certhioidea) from the uppermost Lower Miocene of Eastern Siberia
			<i>Litorallus</i>	<i>Litorallus livezevi</i>	新属种	否	New Zealand	Early Miocene	Journal of Systematic Palaeontology	Flightless rails (Aves: Rallidae) from the early Miocene St Bathans Fauna, Otago, New Zealand
			<i>Mirarce</i>	<i>Mirarce eatoni</i>	新属种	否	United States	Late Cretaceous	PeerJ	The most complete enantiornithine from North America and a phylogenetic analysis of the Avisauridae

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Archosaur Birds		<i>Muriwaimanu</i>	<i>Muriwaimanu</i>	新属	否	New Zealand	Late Paleocene	Journal of Vertebrate Paleontology	A well-preserved new mid-Paleocene penguin (Aves, Sphenisciformes) from the Waipara Greensand in New Zealand
		<i>Pandion</i>	<i>Pandion pannonicus</i>	新种	否	Hungary	Late Oligocene	Ornis Hungarica	Evolution and presence of diurnal predatory birds in the Carpathian Basin
		<i>Panraogallus</i>	<i>Panraogallus hezhengensis</i>	新属种	否	China	Late Miocene	Scientific Reports	Vocal specialization through tracheal elongation in an extinct Miocene pheasant from China
		<i>Priscaweeka</i>	<i>Priscaweeka parvales</i>	新属种	否	New Zealand	Early Miocene	Journal of Systematic Palaeontology	Flightless rails (Aves: Rallidae) from the early Miocene St Bathans Fauna, Otago, New Zealand
		<i>Rallus</i>	<i>Rallus gracilipes</i>	新种	否	The Bahamas	Late Pleistocene	Zootaxa	Another new species of flightless Rail (Aves: Rallidae: Rallus) from Abaco, The Bahamas
		<i>Romainvillia</i>	<i>Romainvillia kazakhstanensis</i>	新种	否	Kazakhstan	Late Eocene	Doklady Biological Sciences	The earliest Asian duck (Anseriformes: Romainvillia) and the origin of Anatidae
		<i>Scolopax</i>	<i>Scolopax mira</i>	新种	否	Japan	Late Pleistocene	Bulletin of Gunma Museum of Natural History	Birds around the Minatogawa Man: the Late Pleistocene avian fossil assemblage of the Minatogawa Fissure, southern part of Okinawa Island, Central Ryukyu Islands, Japan
		<i>Sequiwaimanu</i>	<i>Sequiwaimanu rosieae</i>	新属种	否	New Zealand	Middle Paleocene	Journal of Vertebrate Paleontology	A well-preserved new mid-Paleocene penguin (Aves, Sphenisciformes) from the Waipara Greensand in New Zealand
		<i>Vanellus</i>	<i>Vanellus liffyae</i>	新种	否	Australia	Late Pliocene	Emu - Austral Ornithology	A new species of lapwing (Charadriidae: Vanellus) from the late Pliocene of central Australia
		<i>Yorombe</i>	<i>Yorombe titan</i>	新属	否	Madagascar	Holocene	Royal Society Open Science	Unexpected diversity within the extinct elephant birds (Aves: Aepyornithidae) and a new identity for the world's largest bird
		<i>Winnicavis</i>	<i>Winnicavis gorskii</i>	新属种	否	Poland	Oligocene	Palaeontologia Electronica	Articulated avian remains from the early Oligocene of Poland adds to our understanding of Passerine evolution
		<i>Yangavis</i>	<i>Yangavis confucii</i>	新属种	否	China	Early Cretaceous	Zoological Journal of the Linnean Society	A new confuciusornithid (Aves: Pygostylia) from the Early Cretaceous increases the morphological disparity of the Confuciusornithidae

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Archosaur	Birds	<i>Zygodactylus</i>	<i>Zygodactylus grandei</i>	新种	否	United States	Early Eocene	PeerJ	Systematics and phylogeny of the Zygodactylidae (Aves, Neognathae) with description of a new species from the early Eocene of Wyoming, USA	
		<i>Alcione</i>	<i>Alcione elainus</i>	新属种	否	Morocco	Late Cretaceous	PLOS Biology	Late Maastrichtian pterosaurs from North Africa and mass extinction of Pterosauria at the Cretaceous-Paleogene boundary	
		<i>Barbaridactylus</i>	<i>Barbaridactylus grandis</i>	新属种	否	Morocco	Late Cretaceous	PLOS Biology	Late Maastrichtian pterosaurs from North Africa and mass extinction of Pterosauria at the Cretaceous-Paleogene boundary	
		<i>Caelestiventus</i>	<i>Caelestiventus hanseni</i>	新属种	否	United States	Late Triassic	Nature Ecology & Evolution	<i>Caelestiventus hanseni</i> gen et sp nov extends the desert-dwelling pterosaur record back 65 million years	
		<i>Coloborhynchus</i>	<i>Coloborhynchus flaviferus</i>	新种	是	Morocco	Cretaceous	Cretaceous Research	A new species of <i>Coloborhynchus</i> (Pterosauria, Ornithocheiridae) from the mid-Cretaceous of North Africa	
		<i>Klobiodon</i>	<i>Klobiodon rochei</i>	新属种	否	United Kingdom	Middle Jurassic	Acta Palaeontologica Polonica	Pterosauria of the Great Oolite Group (Bathonian, Middle Jurassic) of Oxfordshire and Gloucestershire, England	
		<i>Mistralazhdarcho</i>	<i>Mistralazhdarcho maggii</i>	新属种	否	France	Late Cretaceous	Journal of Vertebrate Paleontology	<i>Mistralazhdarcho maggii</i> , gen et sp nov, a new azhdarchoid pterosaur from the Upper Cretaceous of southeastern France	
	Pterosaurs		<i>Serradraco</i>	<i>Serradraco sagittirostris</i>	新属	否	United Kingdom	Early Cretaceous	New Perspectives on Pterosaur Palaeobiology The Geological Society of London	A new pterosaur specimen from the Upper Tunbridge Wells Sand Formation (Cretaceous, Valanginian) of southern England and a review of <i>Lonchodectes sagittirostris</i> (Owen 1874)
			<i>Simurghia</i>	<i>Simurghia robusta</i>	新属种	否	Morocco	Late Cretaceous	PLOS Biology	Late Maastrichtian pterosaurs from North Africa and mass extinction of Pterosauria at the Cretaceous-Paleogene boundary
			<i>Tethydraco</i>	<i>Tethydraco regalis</i>	新属种	否	Morocco	Late Cretaceous	PLOS Biology	Late Maastrichtian pterosaurs from North Africa and mass extinction of Pterosauria at the Cretaceous-Paleogene boundary
			<i>Vesperopterylus</i>	<i>Vesperopterylus lamadongensis</i>	新属种	否	China	Early Cretaceous	New Perspectives on Pterosaur Palaeobiology The Geological Society of London	Short note on a new anurognathid pterosaur with evidence of perching behaviour from Jianchang of Liaoning Province, China

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Archosaur	Non-avian dinosaurs	<i>Bagualosaurus</i>	<i>Bagualosaurus agudoensis</i>	新属种	否	Brazil	Late Triassic	Zoological Journal of the Linnean Society	A new dinosaur (Saurischia: Sauropodomorpha) from the Late Triassic of Brazil provides insights on the evolution of sauropodomorph body plan
		<i>Bannykus</i>	<i>Bannykus wulatensis</i>	新属种	否	China	Early Cretaceous	Current Biology	Two Early Cretaceous fossils document transitional stages in alvarezsaurian dinosaur evolution
		<i>Bayannurosaurus</i>	<i>Bayannurosaurus perfectus</i>	新属种	否	China	Early Cretaceous	Science Bulletin	A large-sized basal ankylopollexian from East Asia, shedding light on early biogeographic history of Iguanodontia
		<i>Caihong</i>	<i>Caihong juji</i>	新属种	否	China	Late Jurassic	Nature Communications	A bony-crested Jurassic dinosaur with evidence of iridescent plumage highlights complexity in early paravian evolution
		<i>Choconsaurus</i>	<i>Choconsaurus baileywillisi</i>	新属种	否	Argentina	Late Cretaceous	Ameghiniana	A new titanosaur sauropod from the Upper Cretaceous of Patagonia, Neuquén Province, Argentina
		<i>Choyrodon</i>	<i>Choyrodon barsboldi</i>	新属种	否	Mongolia	Early Cretaceous	PeerJ	A new iguanodontian (Dinosauria: Ornithopoda) from the Early Cretaceous of Mongolia
		<i>Crittendenceratops</i>	<i>Crittendenceratops krzyzanowskii</i>	新属种	否	United States	Late Cretaceous	New Mexico Museum of Natural History and Science Bulletin	A new ceratopsid dinosaur (Centrosaurinae: Nasutoceratopsini) from the Fort Crittenden Formation, Upper Cretaceous (Campanian) of Arizona
		<i>Diluvicursor</i>	<i>Diluvicursor pickeringi</i>	新属种	否	Australia	Early Cretaceous	PeerJ	A new small-bodied ornithopod (Dinosauria, Ornithischia) from a deep, high-energy Early Cretaceous river of the Australian–Antarctic rift system
		<i>Dryosaurus</i>	<i>Dryosaurus elderae</i>	新种	否	United States	Late Jurassic	Geology of the Intermountain West	A photo documentation of bipedal ornithischian dinosaurs from the Upper Jurassic Morrison Formation, USA
		<i>Dynamoterror</i>	<i>Dynamoterror dynastes</i>	新属种	否	United States	Late Cretaceous	PeerJ	A new tyrannosaurid (Dinosauria: Theropoda) from the Upper Cretaceous Menefee Formation of New Mexico
		<i>Ingentia</i>	<i>Ingentia prima</i>	新属种	否	Argentina	Late Triassic	Nature Ecology & Evolution	An early trend towards gigantism in Triassic sauropodomorph dinosaurs
		<i>Invictarx</i>	<i>Invictarx zephyri</i>	新属种	否	United States	Late Cretaceous	PeerJ	A new nodosaurid ankylosaur (Dinosauria: Thyreophora) from the Upper Cretaceous Menefee Formation of New Mexico

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Archosaur	Non-avian dinosaurs	<i>Jinyunpelta</i>	<i>Jinyunpelta sinensis</i>	新属种	否	China	Cretaceous	Scientific Reports	The most basal ankylosaurine dinosaur from the Albian–Cenomanian of China, with implications for the evolution of the tail club
		<i>Lavocatisaurus</i>	<i>Lavocatisaurus agrioensis</i>	新属种	否	Argentina	Early Cretaceous	Acta Palaeontologica Polonica	A new rebbachisaurid sauropod from the Aptian–Albian, Lower Cretaceous Rayoso Formation, Neuquén, Argentina
		<i>Ledumahadi</i>	<i>Ledumahadi mafube</i>	新属种	否	South Africa	Early Jurassic	Current Biology	A giant dinosaur from the earliest Jurassic of South Africa and the transition to quadrupedality in early sauropodomorphs
		<i>Liaoningotitan</i>	<i>Liaoningotitan sinensis</i>	新属种	否	China	Early Cretaceous	Global Geology	A new Titanosauriformes dinosaur from Jehol Biota of western Liaoning, China
		<i>Lingwulong</i>	<i>Lingwulong shenqi</i>	新属种	否	China	Late Early to early Middle Jurassic	Nature Communications	A new Middle Jurassic diplodocoid suggests an earlier dispersal and diversification of sauropod dinosaurs
		<i>Macrocollum</i>	<i>Macrocollum itaquii</i>	新属种	否	Brazil	Late Triassic	Biology Letters	An exceptionally preserved association of complete dinosaur skeletons reveals the oldest long-necked sauropodomorphs
		<i>Mansourasaurus</i>	<i>Mansourasaurus shahinae</i>	新属种	否	Egypt	Late Cretaceous	Nature Ecology & Evolution	New Egyptian sauropod reveals Late Cretaceous dinosaur dispersal between Europe and Africa
		<i>Maraapunisaurus</i>		新属	是	United States	Late Jurassic	Geology of the Intermountain West	Maraapunisaurus fragillimus, ng (formerly Amphicoelias fragillimus), a basal Rebbachisaurid from the Morrison Formation (Upper Jurassic) of Colorado
		<i>Mongolostegus</i>	<i>Mongolostegus exspectabilis</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	First record of stegosaur (Ornithischia, Dinosauria) from the Aptian–Albian of Mongolia
		<i>Pilmatueia</i>	<i>Pilmatueia faundezi</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	A new dicraeosaurid sauropod from the Lower Cretaceous (Mulichinco Formation, Valanginian, Neuquén Basin) of Argentina
		<i>Platypelta</i>	<i>Platypelta coombsi</i>	新属种	否	Canada	Late Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Revised systematics of the armoured dinosaur Euoplocephalus and its allies
		<i>Qiupanykus</i>	<i>Qiupanykus zhangti</i>	新属种	否	China	Late Cretaceous	China Geology	A new alvarezsaurid dinosaur from the Late Cretaceous Qiupa Formation of Luanchuan, Henan Province, central China

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Archosaur	Non-avian dinosaurs	<i>Saltriovenator</i>	<i>Saltriovenator zanellai</i>	新属种	否	Italy	Early Jurassic	PeerJ	The oldest ceratosaurian (Dinosauria: Theropoda), from the Lower Jurassic of Italy, sheds light on the evolution of the three-fingered hand of birds
		<i>Scolosaurus</i>	<i>Scolosaurus thronus</i>	新种	是	Canada	Late Cretaceous	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Revised systematics of the armoured dinosaur Euoplocephalus and its allies
		<i>Sibiroitian</i>	<i>Sibiroitian astrosacralis</i>	新属种	否	Russia	Early Cretaceous	Geobios	A new sauropod dinosaur from the Lower Cretaceous Ilek Formation, Western Siberia, Russia
		<i>Thanos</i>	<i>Thanos simonattoi</i>	新属种	否	Brazil	Late Cretaceous	Historical Biology	A new Abelisauridae (Dinosauria: Theropoda) from São José do Rio Preto Formation, Upper Cretaceous of Brazil and comments on the Bauru Group fauna
		<i>Tratayenia</i>	<i>Tratayenia rosalesi</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new megaraptoran theropod dinosaur from the Upper Cretaceous Bajo de la Carpía Formation of northwestern Patagonia
		<i>Volgatitan</i>	<i>Volgatitan simbirskiensis</i>	新属种	否	Russia	Early Cretaceous	Biological Communications	The oldest titanosaurian sauropod of the Northern Hemisphere
		<i>Weewarrasaurus</i>	<i>Weewarrasaurus pobeni</i>	新属种	否	Australia	Late Cretaceous	PeerJ	Ornithopod diversity in the Griman Creek Formation (Cenomanian), New South Wales, Australia
		<i>Xiyuonykus</i>	<i>Xiyuonykus pengi</i>	新属种	否	China	Early Cretaceous	Current Biology	Two Early Cretaceous fossils document transitional stages in alvarezsaurian dinosaur evolution
		<i>Yizhousaurus</i>	<i>Yizhousaurus sunae</i>	新属种	否	China	Early Jurassic	Scientific Reports	A new sauropodiform dinosaur with a 'sauropodan' skull from the Lower Jurassic Lufeng Formation of Yunnan Province, China
		Synapsids	Non-mammalian synapsids	<i>Ascendonanus</i>	<i>Ascendonanus nestleri</i>	新属种	否	Germany	Permian
<i>Gordodon</i>	<i>Gordodon kraineri</i>			新属种	否	United States	Early Permian	Palaeontologia Electronica	The oldest specialized tetrapod herbivore: A new euepelycosaur from the Permian of New Mexico, USA

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Synapsids	Non-mammalian synapsids	<i>Gorynychus</i>	<i>Gorynychus masyutinae</i>	新属种	否	Russia	Permian	PeerJ	A new thercephalian (<i>Gorynychus masyutinae</i> gen et sp nov) from the Permian Kotelnich locality, Kirov Region, Russia
		<i>Leucocephalus</i>	<i>Leucocephalus wewersi</i>	新属种	否	South Africa	Permian	Papers in Palaeontology	A new species of burnetiid (Therapsida, Burnetiomorpha) from the early Wuchiapingian of South Africa and implications for the evolutionary ecology of the family Burnetiidae
		<i>Lisowicia</i>	<i>Lisowicia bojani</i>	新属种	否	Poland	Late Triassic	Science	An elephant-sized Late Triassic synapsid with erect limbs
		<i>Microvaranops</i>	<i>Microvaranops parentis</i>	新属种	否	South Africa	Permian	PalZ	First arboreal 'pelycosaurs' (Synapsida: Varanopidae) from the early Permian Chemnitz Fossil Lagerstätte, SE Germany, with a review of varanopid phylogeny
		<i>Nochnitsa</i>	<i>Nochnitsa geminidens</i>	新属种	否	Russia	Permian	PeerJ	Gorgonopsian therapsids (<i>Nochnitsa</i> gen nov and <i>Viatkogorgon</i>) from the Permian Kotelnich locality of Russia
		<i>Pentasaurus</i>	<i>Pentasaurus goggai</i>	新属种	否	South Africa	Late Triassic	Palaeontologia Africana	The first skeletal evidence of a dicynodont from the lower Elliot Formation of South Africa
		<i>Polonodon</i>	<i>Polonodon wozniakensis</i>	新属种	否	Poland	Late Triassic	Historical Biology	A new early Late Triassic non-mammaliaform eucynodont from Poland
		<i>Siriusgnathus</i>	<i>Siriusgnathus niemeyerorum</i>	新属种	否	Brazil	Late Triassic	Journal of South American Earth Sciences	A new Upper Triassic cynodont-bearing fossiliferous site from southern Brazil, with taphonomic remarks and description of a new traversodontid taxon
		<i>Australogale</i>	<i>Australogale leptognathus</i>	新属种	否	Bolivia	Miocene	Journal of Mammalian Evolution	<i>Australogale leptognathus</i> , gen et sp nov, a second species of small sparassodont (Mammalia: Metatheria) from the middle Miocene locality of Quebrada Honda, Bolivia
		Metatherians		<i>Austropeptomys</i>	<i>Austropeptomys marshalli</i>	新属种	否	Brazil	Itaboraian
		<i>Bergqvistherium</i>	<i>Bergqvistherium primigenia</i>	新属种	否	Brazil	"Itaboraian"	Anais da Academia Brasileira de Ciências	A new protodidelphid (Mammalia, Marsupialia, Didelphimorphia) from the Itaboraí Basin and its implications for the evolution of the Protodidelphidae

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Synapsids	Metatherians	<i>Chlorocyon</i>	<i>Chlorocyon phantasma</i>	新属种	否	Chile	Late Eocene	American Museum Novitates	Chlorocyon phantasma, a late Eocene borhyaenoid (Mammalia, Metatheria, Sparassodonta) from the Los Helados locality, Andean Main Range, central Chile	
		<i>Coloradolops</i>	<i>Coloradolops cardonensis</i>	新属种	否	Argentina	Middle Eocene	Journal of Systematic Palaeontology	New Palaeogene metatherians from the Quebrada de Los Colorados Formation at Los Cardones National Park (Salta Province, Argentina)	
		<i>Fumodelphodon</i>	<i>Fumodelphodon pulveris</i>	新属种	否	United States	Late Cretaceous	Journal of Mammalian Evolution	Journal of Mammalian Evolution	Earliest Divergence of Stagodontid (Mammalia: Marsupialiformes) Feeding Strategies from the Late Cretaceous (Turonian) of North America
		<i>Galatiadelphys</i>	<i>Galatiadelphys minor</i>	新属种	否	Turkey	Late middle Eocene	PLOS ONE	PLOS ONE	Eocene metatherians from Anatolia illuminate the assembly of an island fauna during Deep Time
		<i>Herpetotherium</i>	<i>Herpetotherium tabrumi</i>	新种	否	United States	Late Paleogene	PalZ	PalZ	Review of the marsupials (Mammalia: Metatheria) from the late Paleogene (Chadronian–Arikarean: late Eocene–late Oligocene) of North America
		<i>Hoodootherium</i>	<i>Hoodootherium praeceps</i>	新属种	否	United States	Late Cretaceous	Journal of Mammalian Evolution	Journal of Mammalian Evolution	Earliest Divergence of Stagodontid (Mammalia: Marsupialiformes) Feeding Strategies from the Late Cretaceous (Turonian) of North America
		<i>Miminipossom</i>	<i>Miminipossom notioplanetes</i>	新属种	否	Australia	Miocene	Palaeontologia Electronica	Palaeontologia Electronica	Miminipossom notioplanetes, a Miocene forest-dwelling phalangeridan (Marsupialia; Diprotodontia) from northern and central Australia
		<i>Orhaniyeia</i>	<i>Orhaniyeia nauta</i>	新属种	否	Turkey	Late middle Eocene	PLOS ONE	PLOS ONE	Eocene metatherians from Anatolia illuminate the assembly of an island fauna during Deep Time
		<i>Perameles</i>	<i>Perameles papillon</i>	新种	是	Australia	Holocene	Zootaxa	Zootaxa	Total evidence analysis of the phylogenetic relationships of bandicoots and bilbies (Marsupialia: Peramelemorphia): reassessment of two species and description of a new species
		<i>Pujatodon</i>	<i>Pujatodon ektopos</i>	新属种	否	Antarctica	Eocene	Journal of Mammalian Evolution	Journal of Mammalian Evolution	New metatherian mammal from the early Eocene of Antarctica

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Synapsids	Afrotherians	<i>Promicrogale</i>	<i>Promicrogale namibienensis</i>	新属种	否	Namibia	Early Miocene	Communications of the Geological Survey of Namibia	Tenrecoid mandible from Elisabethfeld (Early Miocene) Namibia
		<i>Sobrarbarbesiren</i>	<i>Sobrarbarbesiren cardielii</i>	新属种	否	Spain	Eocene	Scientific Reports	First adequately-known quadrupedal sirenian from Eurasia (Eocene, Bay of Biscay, Huesca, northeastern Spain)
		<i>Sylolophus</i>	<i>Sylolophus minor</i>	新属种	否	Morocco	Eocene	Current Biology	Early African fossils elucidate the origin of embrithopod mammals
		<i>Anatolianycteris</i>	<i>Anatolianycteris insularis</i>	新属种	否	Turkey	Eocene	Palaeobiodiversity and Palaeoenvironments	A stem bat (Chiroptera: Palaeochiropterygidae) from the late middle Eocene of northern Anatolia: implications for the dispersal and palaeobiology of early bats
		<i>Mops</i>	<i>Mops kerio</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Mops</i>	<i>Mops turkwelensis</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Pteronotus</i>	<i>Pteronotus trevorjacksoni</i>	新种	否	Jamaica	Late Pleistocene	Caribbean Journal of Earth Science	A new bat record for the late Pleistocene of Jamaica: <i>Pteronotus trevorjacksoni</i> from the Red Hills Road Cave
		<i>Rousettus</i>	<i>Rousettus pattersoni</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Saccolaimus</i>	<i>Saccolaimus kenyensis</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Turkanycteris</i>	<i>Turkanycteris harrisi</i>	新属种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
Odd-toed ungulates		<i>Vulcanops</i>	<i>Vulcanops jennyworthya</i>	新属种	否	New Zealand	Early Miocene	Scientific Reports	A new, large-bodied omnivorous bat (Noctilionoidea: Mystacinidae) reveals lost morphological and ecological diversity since the Miocene in New Zealand
		<i>Ardynia</i>	<i>Ardynia ordosensis</i>	新种	否	China	Late Eocene	Palaeoworld	The late Eocene hyracodontid perissodactyl <i>Ardynia</i> from Saint Jacques, Inner Mongolia, China and its implications for the potential Eocene-Oligocene boundary
		<i>Chilotherium</i>	<i>Chilotherium licenti</i>	新种	否	China	Late Miocene	Vertebrata Palasiatica	A new species of <i>Chilotherium</i> (<i>Perissodactyla</i> , <i>Rhinocerotidae</i>) from the Late Miocene of Qingyang, Gansu, China

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Synapsids	Odd-toed ungulates	<i>Danjiangia</i>	<i>Danjiangia lambdodon</i>	新种	否	China	Earliest Eocene	Communications Biology	The divergence and dispersal of early perissodactyls as evidenced by early Eocene equids from Asia
		<i>Epimanteoceras</i>	<i>Epimanteoceras mae</i>	新种	否	China	Eocene	Vertebrata Palasiatica	A new species of Brontotheriidae from the Middle Eocene of Junggar Basin, Xinjiang, China
		<i>Erihippus</i>	<i>Erihippus tingae</i>	新属种	否	China	Earliest Eocene	Communications Biology	The divergence and dispersal of early perissodactyls as evidenced by early Eocene equids from Asia
		<i>Forstercooperia</i>	<i>Forstercooperia ulanshirensis</i>	新种	是	China	Eocene	American Museum Novitates	A new species of Forstercooperia (Perissodactyla: Paraceratheriidae) from northern China with a systematic revision of forstercooperiines
		<i>Hispanotherium</i>	<i>Hispanotherium wushanense</i>	新种	否	China	“Miocene”	Palaeoworld	Miocene mammalian faunas from Wushan, China and their evolutionary, biochronological, and biogeographic significances
		<i>Maobrontops</i>	<i>Maobrontops paganus</i>	新属种	否	China	Late Eocene	Acta Palaeontologica Polonica	A new brontothere from the Eocene of South China
		<i>Sellamynodon</i>	<i>Sellamynodon</i>	新属	否	Romania	Late Eocene or Early Oligocene	PLOS ONE	New data on Amynodontidae (Mammalia, Perissodactyla) from Eastern Europe: Phylogenetic and palaeobiogeographic implications around the Eocene-Oligocene transition
		<i>Shanxihippus</i>	<i>Shanxihippus dermatorhinus</i>	新属	否	China	Late Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Shanxihippus dermatorhinus comb nov with comparisons to old world hipparions with specialized nasal apparatus
		<i>Aumelasia</i>	<i>Aumelasia studrei</i>	新种	否	France	Eocene	Revue de Paléobiologie, Genève	Un nouveau gisement à vertébrés éocènes, Rouzilhae (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Bachitherium</i>	<i>Bachitherium thracensis</i>	新种	否	Bulgaria	Eocene	Palaeogeography, Palaeoclimatology, Palaeoecology	Discovery of the oldest European ruminant in the latest Eocene of Bulgaria: Did tectonics influence the diachronic development of the Grande Coupure?
	Even-toed ungulates	<i>Candiacervus</i>	<i>Candiacervus devosi</i>	新种	否	Greece	Late Pleistocene	Palaeontologia Electronica	Uniformity in variety: Antler morphology and evolution in a predator-free environment
		<i>Candiacervus</i>	<i>Candiacervus listeri</i>	新种	否	Greece	Late Pleistocene	Palaeontologia Electronica	Uniformity in variety: Antler morphology and evolution in a predator-free environment

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Synapsids	Even-toed ungulates	<i>Candiacervus</i>	<i>Candiacervus reumeri</i>	新种	否	Greece	Late Pleistocene	<i>Palaeontologia Electronica</i>	Uniformity in variety: Antler morphology and evolution in a predator-free environment
		<i>Dorcatherium</i>	<i>Dorcatherium namaquensis</i>	新种	否	Namibia	Middle Miocene	Communications of the Geological Survey of Namibia	Preliminary phylogenetic analysis of the Tragulidae (Mammalia, Cetartiodactyla, Ruminantia) from Arrisdrift: implications for the African Miocene tragulids
		<i>Lophiobunodon</i>	<i>Lophiobunodon hookeri</i>	新种	否	France	Eocene	<i>Revue de Paléobiologie, Genève</i>	Un nouveau gisement à vertébrés éocènes, Rouzilhac (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Orycterchoerus</i>	<i>Orycterchoerus alferezi</i>	新属种	否	Spain	Early Miocene	<i>Spanish Journal of Palaeontology</i>	A new suoid with tubulidentate, hypsolorhizic cheek teeth from the early Miocene of Córcoles, Spain
		<i>Paenanthracotherium</i>	<i>Paenanthracotherium bergeri</i>	新属种	否	France	Oligocene	<i>Zoological Journal of the Linnean Society</i>	To split or not to split Anthracotherium? A phylogeny of Anthracotheriinae (Cetartiodactyla: Hippopotamoidea) and its palaeobiogeographical implications
		<i>Parmularius</i>	<i>Parmularius maasataicus</i>	新种	否	Tanzania	Pleistocene	<i>Journal of Human Evolution</i>	Palaeoecology of the Serengeti during the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania: The mammal and fish evidence
		<i>Protodichobune</i>	<i>Protodichobune hellmundi</i>	新种	否	France	Eocene	<i>Revue de Paléobiologie, Genève</i>	Un nouveau gisement à vertébrés éocènes, Rouzilhac (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Rucervus</i>	<i>Rucervus gigans</i>	新种	否	Greece	Early Pleistocene	Quaternary	A description of two new species of the genus <i>Rucervus</i> (Cervidae, Mammalia) from the Early Pleistocene of Southeast Europe, with comments on hominin and South Asian ruminants dispersals
		<i>Rucervus</i>	<i>Rucervus radulescui</i>	新种	否	Greece	Early Pleistocene	Quaternary	A description of two new species of the genus <i>Rucervus</i> (Cervidae, Mammalia) from the Early Pleistocene of Southeast Europe, with comments on hominin and South Asian ruminants dispersals
		<i>Stryfnotherium</i>	<i>Stryfnotherium exophthalmon</i>	新属种	否	Greece	Late Miocene	<i>Annales de Paléontologie</i>	Palaeoreas, Majoreas, and <i>Stryfnotherium</i> gen nov (Mammalia: Artiodactyla: Bovidae) from the Late Miocene of Greece

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Synapsids Cetaceans		<i>Aonodelphis</i>	<i>Aonodelphis talen</i>	新属种	否	Argentina	Early Miocene	Acta Palaeontologica Polonica	A new dolphin from the early Miocene of Patagonia, Argentina: Insights into the evolution of Platanistoidea in the Southern Hemisphere
		<i>Ciuciulea</i>	<i>Ciuciulea davidi</i>	新属种	否	Moldova	Middle Miocene	PeerJ	New Paratethyan dwarf baleen whales mark the origin of cetotheres
		<i>Ediscetus</i>	<i>Ediscetus osbornei</i>	新属种	否	United States	Oligocene	Journal of Vertebrate Paleontology	An unexpectedly derived odontocete from the Ashley Formation (Upper Rupelian) of South Carolina, USA
		<i>Eschrichtius</i>	<i>Eschrichtius akishimaensis</i>	新种	否	Japan	Early Pleistocene	Paleontological Research	A new species of the genus <i>Eschrichtius</i> (Cetacea: Mysticeti) from the Early Pleistocene of Japan
		<i>Haborodelphis</i>	<i>Haborodelphis japonicus</i>	新属种	否	Japan	Early Pliocene	Papers in Palaeontology	First monodontid cetacean (Odontoceti, Delphinoidea) from the early Pliocene of the north-western Pacific Ocean
		<i>Khoikhoicetus</i>	<i>Khoikhoicetus kergueleni</i>	新种	否	Crozet	Uncertain, possibly Miocene	Geodiversitas	Neogene and Quaternary fossil remains of beaked whales (Cetacea, Odontoceti, Ziphiidae) from deep-sea deposits off Crozet and Kerguelen islands, Southern Ocean
		<i>Kwanzacetus</i>	<i>Kwanzacetus khoisani</i>	新属种	否	Angola	Late Miocene	PeerJ	A close relative of the Amazon river dolphin in marine deposits: a new Iniidae from the late Miocene of Angola
		<i>Macrosqualodelphis</i>	<i>Macrosqualodelphis ukupachai</i>	新属种	否	Peru	Miocene	Royal Society Open Science	A new large squalodelphinid (Cetacea, Odontoceti) from Peru sheds light on the Early Miocene platanistoid disparity and ecology
		<i>Maiabalaena</i>	<i>Maiabalaena nesbittae</i>	新属种	否	United States	Oligocene	Current Biology	Tooth loss precedes the origin of baleen in whales
		<i>Salishicetus</i>	<i>Salishicetus meadi</i>	新属种	否	United States	Late Oligocene	Royal Society Open Science	<i>alishicetus meadi</i> , a new aetiocetid from the late Oligocene of Washington State and implications for feeding transitions in early mysticete evolution
		<i>Taikicetus</i>	<i>Taikicetus inouei</i>	新属种	否	Japan	Middle Miocene	PeerJ	A new species of Middle Miocene baleen whale from the Nupinai Group, Hikitagawa Formation of Hokkaido, Japan
		<i>Tlaxalllicetus</i>	<i>Tlaxalllicetus guaycurae</i>	新属种	否	Mexico	Late Oligocene	Palaeontologia Electronica	A new group of late Oligocene mysticetes from México

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Synapsids	Cetaceans	<i>Toipahautea</i>	<i>Toipahautea waitaki</i>	新属种	否	New Zealand	Oligocene	Royal Society Open Science	A new archaic baleen whale <i>Toipahautea waitaki</i> (early Late Oligocene, New Zealand) and the origins of crown Mysticeti
		<i>Wimahl</i>	<i>Wimahl chinookensis</i>	新属种	是	United States	Early Miocene	Journal of Vertebrate Paleontology	A new kentriodontid (Cetacea: Odontoceti) from the early Miocene Astoria Formation and a revision of the stem delphinid family Kentriodontidae
	<i>Allodesmus demerei</i>	<i>Allodesmus demerei</i>	新种	是	United States	Miocene		Zoological Journal of the Linnean Society	The last of the desmatophocid seals: a new species of <i>Allodesmus</i> from the upper Miocene of Washington, USA, and a revision of the taxonomy of <i>Desmatophocidae</i>
	<i>Allodesmus</i>	<i>Allodesmus uraiporensis</i>	新种	否	Japan	Middle Miocene		Royal Society Open Science	A new Miocene pinniped <i>Allodesmus</i> (Mammalia: Carnivora) from Hokkaido, northern Japan
	<i>Auroraphoca</i>	<i>Auroraphoca atlantica</i>	新属种	否	United States	Pliocene		Royal Society Open Science	Diversity of late Neogene Monachinae (Carnivora, Phocidae) from the North Atlantic, with the description of two new species
	<i>Canis</i>	<i>Canis lupus</i>	新种	否	Italy	Holocene		Bollettino del Museo Civico di Storia Naturale di Verona Botanica Zoologia	A new subspecies of grey wolf (Carnivora, Canidae), recently extinct, from Sicily, Italy
	<i>Civettictis</i>	<i>Civettictis braini</i>	新种	否	South Africa	Pliocene-Pleistocene transition		Comptes Rendus Palevol	<i>Civettictis braini</i> nov sp (Mammalia: Carnivora), a new viverrid from the hominin-bearing site of Kromdraai (Gauteng, South Africa)
	<i>Enhydrictis</i>	<i>Enhydrictis praegalictoides</i>	新种	否	Italy	Pleistocene		Quaternary Science Reviews	Mustelids (Carnivora, Mammalia) from Monte Tuttavista fissure fillings (Early and Middle Pleistocene; Orosei, Sardinia): Taxonomy and evolution of the insular Sardinian <i>Galictini</i>
	<i>Frisiphoca</i>	<i>Frisiphoca aberratum</i>	新属	是	Belgium	Late Miocene		Royal Society Open Science	A critical revision of the fossil record, stratigraphy and diversity of the Neogene seal genus <i>Monotherium</i> (Carnivora, Phocidae)
	<i>Frisiphoca</i>	<i>Frisiphoca affine</i>	新种	是	Belgium	Late Miocene		Royal Society Open Science	A critical revision of the fossil record, stratigraphy and diversity of the Neogene seal genus <i>Monotherium</i> (Carnivora, Phocidae)

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Synapsids	Carnivorans	<i>Gulo</i>	<i>Gulo sudornis</i>	新种	否	United States	Early Pliocene	PeerJ	A new species of <i>Gulo</i> from the Early Pliocene Gray Fossil Site (Eastern United States); rethinking the evolution of wolverines
		<i>Katifelis</i>	<i>Katifelis nightingalei</i>	新属种	否	Kenya	Early Miocene	Palaeontologia Electronica	New Miocene Carnivora (Mammalia) from Moruorot and Kalodirri, Kenya
		<i>Kichechia</i>	<i>Kichechia savagei</i>	新种	否	Kenya	Early Miocene	Palaeontologia Electronica	New Miocene Carnivora (Mammalia) from Moruorot and Kalodirri, Kenya
		<i>Marrellicitis</i>		新属	是	Austria	Pleistocene	Comptes Rendus Palevol	Revising the species “ <i>Mustela</i> ” ardea Gervais, 1848–1852 (Mammalia, Mustelidae): <i>Marrellicitis</i> gen nov and the systematics of the fossil “ <i>Galictinae</i> ” of Eurasia
		<i>Meles</i>	<i>Meles magnus</i>	新种	是	China	Early Pleistocene	Palaeoworld	Taxonomical revision of “ <i>Arctonyx</i> ” fossil remains from the Liucheng Gigantopithecus Cave (South China) by means of morphotype and morphometrics, and a review of Late Pliocene and Early Pleistocene <i>Meles</i> fossil records in China
		<i>Nanodobenus</i>	<i>Nanodobenus arandai</i>	新属种	否	Mexico	Miocene	Royal Society Open Science	A dwarf walrus from the Miocene of Baja California Sur, Mexico
		<i>Nasua</i>	<i>Nasua mastodontia</i>	新种	否	United States	Blancan	Bulletin of the Florida Museum of Natural History	Three new procyonids (Mammalia, Carnivora) from the Blancan of Florida
		<i>Noriphoca gaudini</i>	<i>Noriphoca</i>	新属	是	Italy	Late Oligocene or early Miocene	Royal Society Open Science	A critical revision of the fossil record, stratigraphy and diversity of the Neogene seal genus <i>Monotherium</i> (Carnivora, Phocidae)
		<i>Pannonictis</i>	<i>Pannonictis baroniensis</i>	新种	否	Italy	Pleistocene	Quaternary Science Reviews	Mustelids (Carnivora, Mammalia) from Monte Tuttavista fissure fillings (Early and Middle Pleistocene; Orosei, Sardinia): Taxonomy and evolution of the insular Sardinian <i>Galictini</i>
		<i>Panthera</i>	<i>Panthera balamoides</i>	新种	否	Mexico	Pleistocene	Historical Biology	<i>Panthera balamoides</i> and other Pleistocene felids from the submerged caves of Tulum, Quintana Roo, Mexico

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Synapsids	Carnivorans	<i>Procyon</i>	<i>Procyon gipsoni</i>	新种	否	United States	Blancan	Bulletin of the Florida Museum of Natural History	Three new procyonids (Mammalia, Carnivora) from the Blancan of Florida	
		<i>Procyon</i>	<i>Procyon megalokolos</i>	新种	否	United States	Blancan	Bulletin of the Florida Museum of Natural History	Three new procyonids (Mammalia, Carnivora) from the Blancan of Florida	
		<i>Tchadailurus</i>	<i>Tchadailurus adei</i>	新属种	否	Chad	Late Miocene	Geodiversitas	New sabre toothed Felidae (Carnivora, Mammalia) in the homimid-bearing sites of Toros Menalla (late Miocene, Chad)	
		<i>Titanotaria</i>	<i>Titanotaria orangensis</i>	新属种	否	United States	Late Miocene	PeerJ	A new tuskless walrus from the Miocene of Orange County, California, with comments on the diversity and taxonomy of odobenids	
		<i>Virginiaphoca</i>	<i>Virginiaphoca magurai</i>	新属种	否	United States	Late Miocene or Pliocene	Royal Society Open Science	Diversity of late Neogene Monachinae (Carnivora, Phocidae) from the North Atlantic, with the description of two new species	
	Rodents		<i>Aepyoricetus</i>	<i>Aepyoricetus liuae</i>	新属种	否	China	Pliocene	Journal of Vertebrate Paleontology	Two new Pliocene hamsters (Cricetidae, Rodentia) from southwestern Tibet (China), and their implications for rodent dispersal 'into Tibet'
			<i>Allosminthus</i>	<i>Allosminthus gobiensis</i>	新种	否	China	Paleogene	Palaeoworld	Additional cricetid and dipodid rodent material from the Erden Obo section, Erlian Basin (Nei Mongol, China) and its biochronological implications
			<i>Alomys</i>	<i>Alomys aplini</i>	新属种	否	Indonesia	Holocene	Journal of Asia-Pacific Biodiversity	New genus and species of giant rat from Alor Island, Indonesia
			<i>Bustrania</i>	<i>Bustrania dissimile</i>	新属种	否	Serbia	Eocene	Palaeobiodiversity and Palaeoenvironments	Pappocricetodontinae (Rodentia, Muridae) from the Paleogene of south-east Serbia
			<i>Cardiatherium</i>	<i>Cardiatherium calingastaense</i>	新种	否	Argentina	Late Miocene	Acta Palaeontologica Polonica	A new capybara from the late Miocene of San Juan Province, Argentina, and its phylogenetic implications
	<i>Cholamys</i>	<i>Cholamys tetralophodonta</i>	新属种	否	Bolivia	Descadan	Journal of Systematic Palaeontology	New caviomorph rodents from the late Oligocene of Salla, Bolivia: taxonomic, chronological, and biogeographic implications for the Descadan faunas of South America		
	<i>Douglasciurus</i>	<i>Douglasciurus oaxacaensis</i>	新种	否	Mexico	Eocene	Vertebrate Paleontology	New Eocene rodents from Northwestern Oaxaca, Southeastern Mexico, and their palaeobiological significance		

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Synapsids	Rodents	<i>Eoincamys</i>	<i>Eoincamys parvus</i>	新种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Eoincamys</i>	<i>Eoincamys vahverdei</i>	新种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Eumyarion</i>	<i>Eumyarion gordesensis</i>	新种	否	Turkey	Early Miocene	Palaeobiodiversity and Palaeoenvironments	Gördes: a new early Miocene micromammal assemblage from western Anatolia
		<i>Euroxenomys</i>	<i>Euroxenomys nanus</i>	新种	否	Japan	Early Miocene	Palaeontological Research	<i>Euroxenomys nanus</i> sp nov, a minute beaver (Rodentia, Castoridae) from the Early Miocene of Japan
		<i>Gregorymys</i>	<i>Gregorymys veloxikua</i>	新种	否	Mexico	Eocene	Journal of Mammalian Evolution	<i>Gregorymys veloxikua</i> , The Oldest Pocket Gopher (Rodentia: Geomyidae), and The Early Diversification of Geomyoidea
		<i>Karydomys</i>	<i>Karydomys strati</i>	新种	否	Greece	Miocene	Papers in Palaeontology	New species of <i>Karydomys</i> (Rodentia) from the Miocene of Chios Island (Greece) and phylogenetic relationships of this rare democricetodontine genus
		<i>Kichkasteiromys</i>	<i>Kichkasteiromys raimondii</i>	新属种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Kraglievichimys</i>	<i>Kraglievichimys formosus</i>	新属	否	Argentina	Pliocene	Journal of Paleontology	The oldest sigmodontine rodent revisited and the age of the first South American cricetids
		<i>Lapazomys</i>	<i>Lapazomys hartenbergeri</i>	新属种	否	Bolivia	Descadan	Journal of Systematic Palaeontology	New caviomorph rodents from the late Oligocene of Salla, Bolivia: taxonomic, chronological, and biogeographic implications for the Descadan faunas of South America
		<i>Leggadina</i>	<i>Leggadina irvini</i>	新种	否	Australia	Age uncertain, likely Middle or Late Pleistocene	PeerJ	Short-tailed mice with a long fossil record: the genus <i>Leggadina</i> (Rodentia: Muridae) from the Quaternary of Queensland, Australia
<i>Leggadina</i>	<i>Leggadina webbi</i>	新种	否	Australia	Middle Pleistocene	PeerJ	Short-tailed mice with a long fossil record: the genus <i>Leggadina</i> (Rodentia: Muridae) from the Quaternary of Queensland, Australia		
<i>Mayomys</i>	<i>Mayomys confluens</i>	新属种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia		
<i>Microparamys</i>	<i>Microparamys solis</i>	新种	否	United States	Middle Eocene	Annals of Carnegie Museum	Mammalian fauna of the Middle Eocene Kishenehn Formation, Middle Fork of the Flathead River, Montana		

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Synsapsids	Rodents	<i>Migraveramus</i>	<i>Migraveramus lavocati</i>	新种	否	Bolivia	Deseadan	Journal of Systematic Palaeontology	New caviomorph rodents from the late Oligocene of Salla, Bolivia: taxonomic, chronological, and biogeographic implications for the Deseadan faunas of South America
		<i>Mogilia</i>	<i>Mogilia miloshi</i>	新属种	否	Serbia	Eocene and early Oligocene	Palaeobiodiversity and Palaeoenvironments	New Melissiodontinae (Mammalia, Rodentia) from the Paleogene of south-east Serbia
		<i>Nanaparamys</i>	<i>Nanaparamys inexpectatus</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Reithroparamyine rodent from the Eocene of Namibia
		<i>Nannoricetus</i>	<i>Nannoricetus qiui</i>	新种	否	China	Pliocene	Journal of Vertebrate Paleontology	Two new Pliocene hamsters (Cricetidae, Rodentia) from southwestern Tibet (China), and their implications for rodent dispersal 'into Tibet'
		<i>Neocavia</i>	<i>Neocavia pampeana</i>	新种	否	Argentina	Huayquerian	Acta Palaeontologica Polonica	Systematic review of Neocavia from the Neogene of Argentina: Phylogenetic and evolutionary implications
		<i>Orcemys</i>	<i>Orcemys giberti</i>	新属种	否	Spain	Early Pleistocene	Comptes Rendus Palevol	Orcemys, a new genus of arvicolid rodent from the early Pleistocene of the Guadix-Baza Basin, southern Spain
		<i>Paracricetodon</i>	<i>Paracricetodon gracilis</i>	新种	否	Serbia	Early Oligocene	Palaeobiodiversity and Palaeoenvironments	Paracricetodontinae (Mammalia, Rodentia) from the late Eocene and early Oligocene of south-east Serbia
		<i>Paracricetodon</i>	<i>Paracricetodon stojanovici</i>	新种	否	Serbia	Late Eocene and early Oligocene	Palaeobiodiversity and Palaeoenvironments	Paracricetodontinae (Mammalia, Rodentia) from the late Eocene and early Oligocene of south-east Serbia
		<i>Pararhizomys</i>	<i>Pararhizomys huaxiaensis</i>	新种	否	China	Late Miocene	Palaeontologia Sinica	Late Miocene pararhizomyines from Linxia Basin of Gansu, China
		<i>Pararhizomys</i>	<i>Pararhizomys longensis</i>	新种	否	China	Late Miocene	Palaeontologia Sinica	Late Miocene pararhizomyines from Linxia Basin of Gansu, China
		<i>Phenacomys</i>	<i>Phenacomys europaeus</i>	新种	否	Netherlands	Early Pleistocene	Quaternary Science Reviews	The first record of Phenacomys (Mammalia, Rodentia, Cricetidae) in Europe (early Pleistocene, Zuurland, The Netherlands)
		<i>Protossteiromys</i>	<i>Protossteiromys pattersoni</i>	新种	否	Bolivia	Deseadan	Journal of Systematic Palaeontology	New caviomorph rodents from the late Oligocene of Salla, Bolivia: taxonomic, chronological, and biogeographic implications for the Deseadan faunas of South America

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Synapsids	Primates	<i>Protozetamys</i>	<i>Protozetamys mixtecus</i>	新属种	否	Mexico	Late middle Eocene	Journal of Vertebrate Paleontology	New Eocene rodents from Northwestern Oaxaca, Southeastern Mexico, and their paleobiological significance
		<i>Pseudorhizomys</i>	<i>Pseudorhizomys</i>	新属种	否	China	Late Miocene	Palaeontologia Sinica	Late Miocene pararrhizomyines from Linxia Basin of Gansu, China
		<i>Sallamys</i>	<i>Sallamys woodi</i>	新种	否	Bolivia	Descadan	Journal of Systematic Palaeontology	New caviomorph rodents from the late Oligocene of Salla, Bolivia: taxonomic, chronological, and biogeographic implications for the Descadan faunas of South America
		<i>Selvamys</i>	<i>Selvamys paulus</i>	新属种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Shapajamys</i>	<i>Shapajamys labocensis</i>	新属种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Simplomys</i>	<i>Simplomys hugi</i>	新种	否	Switzerland	Miocene	Palaeobiodiversity and Palaeoenvironments	New data on the Miocene dormouse <i>Simplomys Garcia-Paredes</i> , 2009 from the peri-alpin basins of Switzerland and Germany: palaeodiversity of a rare genus in Central Europe
		<i>Tarapotomys</i>	<i>Tarapotomys subandinus</i>	新属种	否	Peru	Early Oligocene	Palaeontographica Abteilung A	Early Oligocene caviomorph rodents from Shapaja, Peruvian Amazonia
		<i>Tsaukhaebmyns</i>	<i>Tsaukhaebmyns calcareus</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	New Zegdomyidae (Rodentia, Mammalia) from the Middle Eocene of Black Crow, Namibia : taxonomy, dental formula
		<i>Tufamys</i>	<i>Tufamyswoodi</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Tufamyidae, a new family of Iystricognath rodents from the Palaeogene and Neogene of the Spergebiet, Namibia
		<i>Vasseuromys</i>	<i>Vasseuromys tectus</i>	新种	否	Ukraine	Late Miocene	Palaeontology	Systematics and phylogeny of <i>Vasseuromys</i> (Mammalia, Rodentia, Gliridae) with a description of a new species from the late Miocene of eastern Europe
		<i>Witenia</i>	<i>Witenia europea</i>	新种	否	Serbia	Palaeobiodiversity and Palaeoenvironments	Pappocricetodontinae (Rodentia, Muridae) from the Palaeogene of south-east Serbia	
		<i>Astadapis</i>	<i>Astadapis taptiensis</i>	新种	否	India	Journal of Human Evolution	New fossils from Tadkeshwar Mine (Cujarat, India) increase primate diversity from the early Eocene Cambay Shale	
		<i>Brontomomys</i>	<i>Brontomomys cerutti</i>	新属种	否	United States	Journal of Human Evolution	New middle Eocene omomyines (Primates, Haplorhini) from San Diego County, California	

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Primates		<i>Ekwiymakius</i>	<i>Ekwiymakius walshi</i>	新属种	否	United States	Eocene	Journal of Human Evolution	New middle Eocene omomyines (Primates, Haplorhini) from San Diego County, California
		<i>Europolemur</i>	<i>Europolemur midiensis</i>	新种	否	France	Eocene	Revue de Paléobiologie, Genève	Un nouveau gisement à vertébrés éocènes, Rouzilhac (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Gunneltarsius</i>	<i>Gunneltarsius randalli</i>	新属种	否	United States	Eocene	Journal of Human Evolution	New middle Eocene omomyines (Primates, Haplorhini) from San Diego County, California
		<i>Junzi</i>	<i>Junzi imperialis</i>	新属种	否	China	Holocene	Science	New genus of extinct Holocene gibbon associated with humans in Imperial China
		<i>Namadapis</i>	<i>Namadapis interdictus</i>	新属种	否	Namibia	Middle Eocene	Communications of the Geological Survey of Namibia	Primitive Adapidae from Namibia sheds light on the early primate radiation in Africa
		<i>Rouzilemur</i>	<i>Rouzilemur pulcher</i>	新属种	否	France	Eocene	Revue de Paléobiologie, Genève	Un nouveau gisement à vertébrés éocènes, Rouzilhac (MP 10-11), dans la série molassique d'Issel (Aude, France)
		<i>Simiolus</i>	<i>Simiolus minutus</i>	新种	否	Kenya	Middle Miocene	Journal of Human Evolution	A new species of Simiolus from the middle Miocene of the Tugen Hills, Kenya
		<i>Walshina</i>	<i>Walshina esmaraldensis</i>	新属种	否	United States	Eocene	Palaeontologia Electronica	New omomyoids (Euprimates, Mammalia) from the late Uintan of southern California, USA, and the question of the extinction of the Paromomyidae (Plesiadapiformes, Primates)
		<i>Walshina</i>	<i>Walshina megrewi</i>	新属种	否	United States	Eocene	Palaeontologia Electronica	New omomyoids (Euprimates, Mammalia) from the late Uintan of southern California, USA, and the question of the extinction of the Paromomyidae (Plesiadapiformes, Primates)
		<i>Walshina</i>	<i>Walshina shifrae</i>	新属种	否	United States	Eocene	Palaeontologia Electronica	New omomyoids (Euprimates, Mammalia) from the late Uintan of southern California, USA, and the question of the extinction of the Paromomyidae (Plesiadapiformes, Primates)
		<i>Ambolestes</i>	<i>Ambolestes zhoui</i>	新属种	否	China	Early Cretaceous	Nature	An Early Cretaceous eutherian and the placental–marsupial dichotomy
		<i>Arcius</i>	<i>Arcius hookeri</i>	新种	否	United Kingdom	Early Eocene	Journal of Paleontology	The European Paromomyidae (Primates, Mammalia): taxonomy, phylogeny, and biogeographic implications
		Other eutherians							

Synapsids

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Synapsids	Other eutherians	<i>Arcius</i>	<i>Arcius ilerdensis</i>	新种	否	Spain	Early Eocene	Journal of Paleontology	The European Paromyidae (Primates, Mammalia): taxonomy, phylogeny, and biogeographic implications
		<i>Chiromyoides</i>	<i>Chiromyoides mauberti</i>	新种	否	France	Late Paleocene	Journal of Vertebrate Paleontology	Plesiadapid mammals from the latest Paleocene of France offer new insights on the evolution of Plesiadapis during the Paleocene-Eocene transition
		<i>Darbonetus</i>	<i>Darbonetus sigei</i>	新种	否	France	Eocene	Acta Palaeontologica Polonica	Eocene antiquity of the European mycitheriid euarchontan mammal Darbonetus
		<i>Dissacus</i>	<i>Dissacus rastanlobatieri</i>	新种	否	France	Eocene	Journal of Mammalian Evolution	The European Mesonychid Mammals: Phylogeny, Ecology, Biogeography, and Biochronology
		<i>Dissacus</i>	<i>Dissacus rougierae</i>	新种	否	France	Eocene	Journal of Mammalian Evolution	The European Mesonychid Mammals: Phylogeny, Ecology, Biogeography, and Biochronology
		<i>Eomorhippus</i>	<i>Eomorhippus bondi</i>	新种	否	Chile	Early Oligocene	American Museum Novitates	New Paleogene nothippids and leontiniids (Toxodontia; Notoungulata; Mammalia) from the Early Oligocene Tinguiririca Fauna of the Andean Main Range, central Chile
		<i>Eomorhippus</i>	<i>Eomorhippus netlopykei</i>	新种	否	Chile	Early Oligocene	American Museum Novitates	New Paleogene nothippids and leontiniids (Toxodontia; Notoungulata; Mammalia) from the Early Oligocene Tinguiririca Fauna of the Andean Main Range, central Chile
		<i>Falcontoxodon</i>	<i>Falcontoxodon aguilerai</i>	新属种	否	Venezuela	Early Pliocene-late Pliocene or early Pleistocene	Smithsonian Contributions to Paleobiology	The Neogene record of northern South American native ungulates
		<i>Ferrequitherium</i>	<i>Ferrequitherium sweeti</i>	新属种	否	Canada	Paleocene	Zoological Journal of the Linnean Society	Horolodectidae: a new family of unusual eutherians (Mammalia: Theria) from the Paleocene of Alberta, Canada
		<i>Hilarcotherium</i>	<i>Hilarcotherium miyou</i>	新种	否	Colombia	Middle Miocene	Smithsonian Contributions to Paleobiology	The Neogene record of northern South American native ungulates

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Synapsids	Other eutherians	<i>Hovurlestes</i>	<i>Hovurlestes noyon</i>	新属种	否	Mongolia	Early Cretaceous	Doklady Biological Sciences	A new stem placentals mammal from the Early Cretaceous of Mongolia
		<i>Llullataruca</i>	<i>Llullataruca shockeyi</i>	新属种	否	Bolivia	Laventan	Journal of Vertebrate Paleontology	Two new macraucheniids (Mammalia: Litopterna) from the late middle Miocene (Laventan South American Land Mammal Age) of Quebrada Honda, Bolivia
		<i>Platychoerops</i>	<i>Platychoerops boyeri</i>	新种	否	France	Late Paleocene	Journal of Vertebrate Paleontology	Plesiadapid mammals from the latest Paleocene of France offer new insights on the evolution of Plesiadapis during the Paleocene-Eocene transition
		<i>Plesiadapis</i>	<i>Plesiadapis berruensis</i>	新种	否	France	Late Paleocene	Palaeobiodiversity and Palaeoenvironments	Evolution of plesiadapid mammals (Eutheria, Euarchonta, Plesiadapiformes) in Europe across the Paleocene/Eocene boundary: implications for phylogeny, biochronology and scenarios of dispersal
		<i>Plesiadapis</i>	<i>Plesiadapis ploegi</i>	新种	否	France	Late Paleocene	Journal of Vertebrate Paleontology	Plesiadapid mammals from the latest Paleocene of France offer new insights on the evolution of Plesiadapis during the Paleocene-Eocene transition
		<i>Propterodon</i>	<i>Propterodon pangamensis</i>	新种	否	Myanmar	Middle Eocene	Comptes Rendus Palevol	New Hyaenodontia (Mammalia) from the middle Eocene of Myanmar
		<i>Rosendo</i>	<i>Rosendo pascuali</i>	新属	否	Argentina	Early Oligocene	American Museum Novitates	New Paleogene notoungulates and leontiniids (Toxodontia; Notoungulata; Mammalia) from the Early Oligocene Tinguiririca Fauna of the Andean Main Range, central Chile
		<i>Rusconitherium</i>	<i>Rusconitherium mendocense</i>	新属	否	Argentina	Early Miocene	Journal of South American Earth Sciences	A new early Miocene Mesotheriidae (Notoungulata) from the Mariño Formation (Argentina): Taxonomic and biostratigraphic implications
		<i>Sardolagus</i>	<i>Sardolagus obscurus</i>	新属种	否	Italy	Early Pleistocene	Journal of Paleontology	Systematics and paleobiogeography of <i>Sardolagus obscurus</i> n gen n sp (Leporidae, Lagomorpha) from the early Pleistocene of Sardinia
		<i>Shargainosorex</i>	<i>Shargainosorex angustirostris</i>	新属种	否	Mongolia	Middle Miocene	Acta Palaeontologica Polonica	A new middle Miocene erocidosoricine shrew from the Mongolian Shargain Gobi Desert

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Synapsids	Other eutherians	<i>Termastherium</i>	<i>Termastherium flacoensis</i>	新属种	否	Chile	Early Oligocene	American Museum Novitates	New Paleogene nothippids and leontiniids (Toxodontia; Notoungulata; Mammalia) from the Early Oligocene Tinguiririca Fauna of the Andean Main Range, central Chile
		<i>Theosodon</i>	<i>Theosodon aroquetai</i>	新种	否	Bolivia	Laventan	Journal of Vertebrate Paleontology	Two new macraucheniids (Mammalia: Litopterna) from the late middle Miocene (Laventan South American Land Mammal Age) of Quebrada Honda, Bolivia
		<i>Myonycteris</i>	<i>Myonycteris kingi</i>	新种	否	United Kingdom	Paleogene	Proceedings of the Geologists' Association	A mammal fauna from the Paleocene-Eocene Thermal Maximum of Croydon, London, UK
		<i>Xotodon</i>	<i>Xotodon caravela</i>	新种	否	Argentina	Late Miocene-early Pliocene	Journal of Vertebrate Paleontology	A new species of Xotodon (Notoungulata, Toxodontidae) from northwestern Argentina
		<i>Zofagale</i>	<i>Zofagale ergilmensis</i>	新属种	否	Mongolia	Late Eocene	Scientific Reports	A new Eocene anagalid (Mammalia: Euarchontoglires) from Mongolia and its implications for the group's phylogeny and dispersal
		<i>Brasilestes</i>	<i>Brasilestes stardusti</i>	新属种	否	Brazil	Late Cretaceous	Royal Society Open Science	A Late Cretaceous mammal from Brazil and the first radioisotopic age for the Bauru Group
		<i>Catopsalis</i>	<i>Catopsalis kakwa</i>	新种	否	Canada	Early Paleocene	Journal of Paleontology	A new, diminutive species of <i>Catopsalis</i> (Mammalia, Multituberculata, Taeniolabidoidea) from the early Paleocene of southwestern Alberta, Canada
		<i>Cifelliodon</i>	<i>Cifelliodon wahkarnooosuch</i>	新属种	否	United States	Early Cretaceous	Nature	Late-surviving stem mammal links the lowermost Cretaceous of North America and Gondwana
		<i>Golerocosmodon</i>	<i>Golerocosmodon mylesi</i>	新属种	否	United States	Paleocene	Paludicola	New records of multituberculata mammals from the Goler Formation (Tiffanian, Paleocene) of California
		<i>Khorotherium</i>	<i>Khorotherium yakutensis</i>	新属种	否	Russia	Early Cretaceous	PLOS ONE	A high-latitude fauna of mid-Mesozoic mammals from Yakutia, Russia
Other mammals	Other mammals	<i>Litovoi</i>	<i>Litovoi tholocephalos</i>	新属种	否	Romania	Late Cretaceous	Proceedings of the National Academy of Sciences of the United States of America	Dome-headed, small-brained island mammal from the Late Cretaceous of Romania
		<i>Sangarotherium</i>	<i>Sangarotherium aquilonium</i>	新属种	否	Russia	Early Cretaceous	PLOS ONE	A high-latitude fauna of mid-Mesozoic mammals from Yakutia, Russia

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Fish	Jawless vertebrates	<i>Archegonaspis</i>	<i>Archegonaspis bashkirica</i>	新种	否	Russia	Silurian	Estonian Journal of Earth Sciences	Silurian cyathaspidid heterostracans of Northern Eurasia
		<i>Cyathaspis</i>	<i>Cyathaspis alexanderi</i>	新种	否	Russia	Silurian	Estonian Journal of Earth Sciences	Silurian cyathaspidid heterostracans of Northern Eurasia
		<i>Jiaoyu</i>	<i>Jiaoyu imperfectus</i>	新属种	否	China	Silurian	Vertebrata PalAsiatica	A reappraisal of the Silurian galeaspids (stem-Gnathostomata) from Tarim Basin, Xinjiang
		<i>Parathelodus</i>	<i>Parathelodus liaokuoensis</i>	新种	否	China	Devonian	Vertebrata PalAsiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China
		<i>Parathelodus</i>	<i>Parathelodus wangi</i>	新种	否	China	Devonian	Vertebrata PalAsiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China
		<i>Parathelodus</i>	<i>Parathelodus xitunensis</i>	新种	否	China	Devonian	Vertebrata PalAsiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China
		<i>Teihymyxine</i>	<i>Teihymyxine tapirostrum</i>	新属种	否	Lebanon	Late Cretaceous	Proceedings of the National Academy of Sciences of the United States of America	Hagfish from the Cretaceous Tethys Sea and a reconciliation of the morphological–molecular conflict in early vertebrate phylogeny
		<i>Tolypelepis</i>	<i>Tolypelepis bedovensis</i>	新种	否	Russia	Late Silurian	Estonian Journal of Earth Sciences	Silurian cyathaspidid heterostracans of Northern Eurasia
		<i>Xiyuaspsis</i>	<i>Xiyuaspsis zhangii</i>	新属	否	China	Silurian	Vertebrata PalAsiatica	A reappraisal of the Silurian galeaspids (stem-Gnathostomata) from Tarim Basin, Xinjiang
		<i>Asterolepis</i>	<i>Asterolepis alticristata</i>	新种	否	Canada	Devonian	Geodiversitas	<i>Asterolepis alticristata</i> n. sp. (Antiarchi) from the Upper Devonian (Frasnian) of Nunavut, Canada, and a report on the antiarch diversity of the Fram Formation
		<i>Colombialepis</i>	<i>Colombialepis villarroeli</i>	新属种	否	Colombia	Late Devonian	Journal of Vertebrate Paleontology	New insights into Late Devonian vertebrates and associated fauna from the Cuche Formation (Floresta Massif, Colombia)
		<i>Colombiaspis</i>	<i>Colombiaspis rinconensis</i>	新属种	否	Colombia	Late Devonian	Journal of Vertebrate Paleontology	New insights into Late Devonian vertebrates and associated fauna from the Cuche Formation (Floresta Massif, Colombia)

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Fish	Placoderms	<i>Meekstella</i>	<i>Chebyphorus pskovensis</i>	新属	否	Estonia	Devonian	Palaeontologia Electronica	A new genus of ptyctodont (Placodermi) from the Late Devonian of Baltic area
	Acanthodians	<i>Cheiracanthus</i>	<i>Cheiracanthus peachi</i>	新种	否	United Kingdom	Devonian	Scottish Journal of Geology	A new cheiracanthid acanthodian from the Middle Devonian (Givetian) Orcadian Basin of Scotland and its biostratigraphic and biogeographical significance
		<i>Serradentus</i>	<i>Serradentusarmstrongi</i>	新属种	否	Germany	Devonian	Norwegian Journal of Geology	A new species of ischnacanthiform acanthodian from the Givetian of Mimerdalen, Svalbard
		<i>Antiquaobatis</i>	<i>Antiquaobatis grimmenensis</i>	新属种	否	Germany	Early Jurassic	PalZ	A new Pliensbachian elasmobranch (Vertebrata, Chondrichthyes) assemblage from Europe, and its contribution to the understanding of late Early Jurassic elasmobranch diversity and distributional patterns
		<i>Asflapristis</i>	<i>Asflapristis cristadentis</i>	新属种	否	Morocco	Late Cretaceous	Journal of Systematic Palaeontology	The first three-dimensional fossils of Cretaceous sclerorhynchid sawfish: <i>Asflapristis cristadentis</i> gen. et sp. nov., and implications for the phylogenetic relations of the Sclerorhynchoidei (Chondrichthyes)
	Cartilaginous fishes	<i>Cantioscyllium</i>	<i>Cantioscyllium clementsi</i>	新种	否	United States	Late Cretaceous	Vertebrate Anatomy Morphology Palaeontology	Middle Campanian euselachian diversity of the southern region of the Atlantic Coastal Plain of North America
		<i>Carcharhinus</i>	<i>Carcharhinus manciniae</i>	新种	否	United States	Eocene	European Journal of Taxonomy	Taxonomy and biostratigraphy of the elasmobranchs and bony fishes (Chondrichthyes and Osteichthyes) of the lower-to-middle Eocene (Ypresian to Bartonian) Claiborne Group in Alabama, USA, including an analysis of otoliths
		<i>Carcharhinus</i>	<i>Carcharhinus underwoodi</i>	新种	否	Madagascar	Eocene	PLOS ONE	A middle - late Eocene neoselachian assemblage from nearshore marine deposits, Mahajanga Basin, northwestern Madagascar

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Fish	Cartilaginous fishes	<i>Dykeius</i>	<i>Dykeius garethi</i>	新属种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Florenceodon</i>	<i>Florenceodon johnyi</i>	新属种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Galagadon</i>	<i>Galagadon nordquistae</i>	新属种	否	United States	Late Cretaceous	Journal of Paleontology	New sharks and other chondrichthyans from the latest Maastrichtian (Late Cretaceous) of North America
		<i>Ctenacanthus</i>		新属	否	Poland	Carboniferous	Acta Geologica Polonica	The squamation of “Ctenacanthus” costellatus (Chondrichthyes: Ctenacanthiformes) from the Carboniferous of Lublin area, south-eastern Poland
		<i>Gydoselache</i>	<i>Gydoselache oosthuizeni</i>	新属种	否	South Africa	Devonian	Evolution and development of fishes, Cambridge University Press	Doliodus and pucapampellids. Contrasting perspectives on stem chondrichthyan morphology
		<i>Hessinodon</i>	<i>Hessinodon wardi</i>	新属种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Hypolophites</i>	<i>Hypolophites beckeri</i>	新种	否	United States	Paleocene	Journal of Paleontology	A new species of Hypolophites (Chondrichthyes, Myliobatiformes) from the Lower Clayton Limestone Unit of the Midway Group (Paleocene), near Malvern, Arkansas, USA
		<i>Isogomphodon</i>	<i>Isogomphodon aikenensis</i>	新种	否	United States	Eocene	PalaeoBios	Late Eocene (Priabonian) elasmobranchs from the Dry Branch Formation (Barnwell Group) of Aiken County, South Carolina, USA

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Fish	Cartilaginous fishes	<i>Kimmerobatis</i>	<i>Kimmerobatis etchesi</i>	新属种	否	United Kingdom	Late Jurassic	Proceedings of the Geologists' Association	The Late Jurassic ray <i>Kimmerobatis etchesi</i> gen. et sp. nov. and the Jurassic radiation of the Batoidea
		<i>Komoksodon</i>	<i>Komoksodon kwutichakuth</i>	新属种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Lessiniabatis</i>	<i>Lessiniabatis aemignatica</i>	新属种	否	Italy	Eocene	Scientific Reports	A bizarre Eocene dasyatoid batomorph (Elasmobranchii, Myliobatiformes) from the Bolca Lagerstätte (Italy) reveals a new, extinct body plan for stingrays
		<i>Myledaphus</i>	<i>Myledaphus araucanus</i>	新种	否	Chile	Late Cretaceous	Cretaceous Research	<i>Myledaphus araucanus</i> sp. nov. (Batomorphi, Rajiformes incertae sedis), a new Late Cretaceous ray from the austral Pacific, and first occurrence of the genus in the Southern Hemisphere
		<i>Myliobatis</i>	<i>Myliobatis foxhillsensis</i>	新种	否	United States	Late Cretaceous	Bulletins of American Paleontology	Chondrichthyan and osteichthyan paleofaunas from the Cretaceous (Late Maastrichtian) Fox Hills Formation of North Dakota, USA: Paleocology, paleogeography, and extinction
		<i>Odontorhynchus</i>	<i>Odontorhynchus bahariensis</i>	新种	否	Egypt	Eocene	Egyptian Journal of Geology	A new <i>Odontorhynchus</i> species (Chondrichthyes) from the Middle Eocene of ElGedida mine, Bahariya oasis, Egypt
		<i>Ottangodus</i>	<i>Ottangodus lotharingiae</i>	新属种	否	Luxembourg-French border	Middle Jurassic	Paleontological Research	A new callorhynchid genus (Holocephali, Chimaeroidei) from the early Bajocian of Ottange-Rumelange, on the Luxembourg-French border
		<i>Paraorthacodus</i>	<i>Paraorthacodus rossi</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages

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Fish	Cartilaginous fishes	<i>Pastinachus</i>	<i>Pastinachus kebarensis</i>	新种	否	Tunisia	Eocene	Historical Biology	Teeth, fossil record and evolutionary history of the cowtail stingray <i>Pastinachus Rüppell</i> , 1829
		<i>Pristiophorus</i>	<i>Pristiophorus humboldti</i>	新种	否	Chile	Early Miocene	Journal of South American Earth Sciences	Early Miocene cartilaginous fishes (Chondrichthyes: Holocephali, Elasmobranchii) from Chile: Diversity and paleobiogeographic implications
		<i>Pristiophorus</i>	<i>Pristiophorus pricei</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Pristiophorus</i>	<i>Pristiophorus smithi</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Protocentrophorus</i>	<i>Protocentrophorus steviae</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Protoheptanchias</i>	<i>Protoheptanchias lowei</i>	新属种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Protolamna</i>	<i>Protolamna ricautensis</i>	新种	否	Colombia	Early Cretaceous	Cretaceous Research	A new lamniform shark <i>Protolamna ricautensis</i> sp. nov. from the Lower Cretaceous of Colombia
		<i>Pseudabdonia</i>	<i>Pseudabdonia claibornensis</i>	新属	否	Belgium	Eocene	European Journal of Taxonomy	Taxonomy and biostratigraphy of the elasmobranchs and bony fishes (Chondrichthyes and Osteichthyes) of the lower-to-middle Eocene (Ypresian to Bartonian) Claiborne Group in Alabama, USA, including an analysis of otoliths

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Fish	Cartilaginous fishes	<i>Ptychotrygon</i>	<i>Ptychotrygon rostrispatulula</i>	新种	否	Morocco	Late Cretaceous	Papers in Palaeontology	The first skeletal record of the enigmatic Cretaceous sawfish genus <i>Ptychotrygon</i> (Chondrichthyes, Batoidea) from the Turonian of Morocco
		<i>Rhinoscyrnus</i>	<i>Rhinoscyrnus clarki</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Rolfodon</i>	<i>Rolfodon goliath</i>	新属种	否	Angola	Late Cretaceous to Miocene	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Scymnodalotias</i>	<i>Scymnodalotias kazenobon</i>	新种	否	Japan	Middle Miocene	Paleontological Research	A new deep-sea shark <i>Scymnodalotias kazenobon</i> (Squaliformes, Somniosidae) from the Miocene Yatsuo Group in Central Japan
		<i>Squaliodalotias</i>	<i>Squaliodalotias savoiiei</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Squalus</i>	<i>Squalus nicholsae</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Synechodus</i>	<i>Synechodus dereki</i>	新种	否	Canada	Late Cretaceous	Historical Biology	A shark fauna from the Campanian of Hornby Island, British Columbia, Canada: an insight into the diversity of Cretaceous deep-water assemblages
		<i>Tethtyrygon</i>	<i>Tethtyrygon muricata</i>	新属	否	Italy	Eocene	Zoologica Scripta	Reappraisal of the Eocene whiptail stingrays (Myliobatiformes, Dasyatidae) of the Bolca Lagerstätte, Italy

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Fish	Ray-finned fishes	<i>Archoplites</i>	<i>Archoplites langrellorum</i>	新种	否	United States	Pliocene	Miscellaneous Publications. Museum of Zoology, University of Michigan.	Fishes of the Mio-Pliocene Western Snake River Plain and vicinity. V. Keating, Always Welcome Inn, and Imbler Fish paleofaunas, NE Oregon: Tests of Miocene-Pliocene drainage connections
		<i>Ardoreosomus</i>	<i>Ardoreosomus occidentalis</i>	新属种	否	United States	Early Triassic	Journal of Paleontology	Marine Early Triassic Actinopterygii from the Candelaria Hills (Esmeralda County, Nevada, USA)
		<i>Argyripinus</i>	<i>Argyripinus oamaruensis</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Argyripinus</i>	<i>Argyripinus rapahoensis</i>	新种	否	New Zealand	Runangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Arnoglossus</i>	<i>Arnoglossus lautus</i>	新种	否	New Zealand	Dunroonian and Waitakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Arnoglossus</i>	<i>Arnoglossus pumus</i>	新种	否	New Zealand	Lillburnian and Waitaun	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Artediellichthys</i>	<i>Artediellichthys candelabrum</i>	新种	否	Russia	Miocene	Paleontological Journal.	Hooked-horn sculpins (Pisces: Cottidae, Artediellinae) from the Miocene of Sakhalin Island, Russia
		<i>Artediellus</i>	<i>Artediellus simplex</i>	新种	否	Russia	Miocene	Paleontological Journal.	Hooked-horn sculpins (Pisces: Cottidae, Artediellinae) from the Miocene of Sakhalin Island, Russia
		<i>Aseraggodes</i>	<i>Aseraggodes hudsoni</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Auchenoceros</i>	<i>Auchenoceros simplex</i>	新种	否	New Zealand	Dunroonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Aulichthys</i>	<i>Aulichthys miocaenicus</i>	新种	否	Russia	Miocene	Paleontological Journal	Tubesnout <i>Aulichthys miocaenicus</i> sp. nov. from the Miocene of Sakhalin Island (Russia): the first reliable fossil record for the family Aulorhynchidae
		<i>Ausonasyndodus</i>	<i>Ausonasyndodus almerai</i>	新属种	否	Spain	Late Eocene	Geological Journal	Fish-bearing deposits from the Upper Eocene Terminal Complex of the Plana de Vic (Catalonia, NE Spain): Sedimentary context and taphonomy
		<i>Avamoa</i>	<i>Avamoa kaawa</i>	新属种	否	New Zealand	Otaian to Opoitian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Balistes</i>	<i>Balistes vegai</i>	新种	是	Cuba	Miocene	Historical Biology	First occurrence of fossil <i>Balistes</i> (Tetraodontiformes: Balistidae) from the Miocene of Cuba with the description of a new species and a revision of fossil <i>Balistes</i>
		<i>Barathronus</i>	<i>Barathronus nielsenii</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Barbalepis</i>	<i>Barbalepis macroptera</i>	新属	否	Belgium	Early Cretaceous	Cretaceous Research	A new genus of coccolepidid actinopterygian from the Cretaceous Iguanodon-bearing locality of Bernissart, Belgium
		<i>Bathycongrus</i>	<i>Bathycongrus waihaeoensis</i>	新种	是	New Zealand	Kaiaatan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Bathygadus</i>	<i>Bathygadus waihoaensis</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Bembrops</i>	<i>Bembrops aequiformis</i>	新种	否	New Zealand	Dunroonian and Waitakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Bembrops</i>	<i>Bembrops grenfellii</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Benthosema</i>	<i>Benthosema minutum</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Bidenichthys</i>	<i>Bidenichthys struthersi</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Blachea</i>	<i>Blachea semeniformis</i>	新种	否	New Zealand	Waitakian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Bonapartia</i>	<i>Bonapartia altidorsalis</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Brosmophyciops</i>	<i>Brosmophyciops tongarewae</i>	新种	否	New Zealand	Mangaorapan-Heretangian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Burguklia</i>	<i>Burguklia minichorum</i>	新种	否	Russia	Permian	PalZ	A new species of <i>Burguklia</i> (<i>Pisces</i> , <i>Actinopterygii</i>) from the Middle Permian of the Volga Region (European Russia)
		<i>Cabindachanos</i>	<i>Cabindachanos dartevellei</i>	新属种	否	Angola	Paleocene	Geologica Belgica	<i>Cabindachanos dartevellei</i> gen. and sp. nov., a new chanid fish (<i>Ostariophysi</i> , <i>Gonorynchiformes</i>) from the marine Paleocene of Cabinda (Central Africa)
		<i>Callionymus</i>	<i>Callionymus hakatarameaensis</i>	新种	否	New Zealand	Wairakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (<i>Teleostei</i>) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Callionymus</i>	<i>Callionymus triquetrus</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (<i>Teleostei</i>) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Candelariatelepis</i>	<i>Candelariatelepis argentus</i>	新属种	否	United States	Early Triassic	Journal of Paleontology	Marine Early Triassic <i>Actinopterygii</i> from the Candelaria Hills (Esmeralda County, Nevada, USA)
		<i>Cavinichthys</i>	<i>Cavinichthys pachylepis</i>	新属种	否	Italy	Early Cretaceous	Thalassia Salentina	<i>Osteology of Cavinichthys pachylepis</i> gen. and sp. nov. (<i>Teleostei</i> , <i>Crossognathiformes</i> , <i>Pachyrhizodontidae</i>) from Pietraraja (Lower Cretaceous, Campania, south Italy)
		<i>Cephalopholis</i>	<i>Cephalopholis aotearoa</i>	新种	否	New Zealand	Mangaorapan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (<i>Teleostei</i>) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Cepola</i>	<i>Cepola ambifaria</i>	新种	否	New Zealand	Otaian to Clifdenian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (<i>Teleostei</i>) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Ceratospelus</i>	<i>Ceratospelus richardsoni</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Champsodon</i>	<i>Champsodon timaruensis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Chaunax</i>	<i>Chaunax bucculentus</i>	新种	否	New Zealand	Waitakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Chaychamus</i>	<i>Chaychamus gonzalezorum</i>	新属种	否	Mexico	Paleocene	Journal of South American Earth Sciences	<i>Chaychamus gonzalezorum</i> gen. et sp. nov.: A damselfish fossil (Pomacentridae; Percomorphaeae), from the Early Paleocene outcrop of Chiapas, Southeastern Mexico
		<i>Chironema</i>	<i>Chironema salebrosa</i>	新种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Coelorinchus</i>	<i>Coelorinchus divulgatus</i>	新种	否	New Zealand	Waitakian to Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Coelorinchus</i>	<i>Coelorinchus pakaurangiensis</i>	新种	否	New Zealand	Dunroonian to Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Coelorinchus</i>	<i>Coelorinchus preaustralis</i>	新种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Colobodus</i>	<i>Colobodus wushaensis</i>	新属种	否	China	Late Triassic	Acta Geologica Sinica (English Edition)	A new discovery of <i>Colobodus</i> Agassiz, 1844 (<i>Colobodontidae</i>) from the Carnian (Upper Triassic) of Guizhou, South China
		<i>Conger</i>	<i>Conger davidsmithi</i>	新种	否	New Zealand	Waipawan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Conger</i>	<i>Conger tokoroa</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Congopycnodus</i>	<i>Congopycnodus cornutus</i>	新属种	否	Congo	Middle Jurassic	Geo-Eco-Trop	A horny pycnodont fish (Pycnodontiformes) in the continental Middle Jurassic (Stanleyville Formation) of the Democratic Republic of Congo
		<i>Costapycnodus</i>	<i>Costapycnodus</i>	新属	否	Italy	Early Cretaceous	Geo-Eco-Trop	The pycnodont fishes from the Lower Cretaceous of the Capo d'Orlando, near Castellammare di Stabia (Naples, Campania, southern Italy), with the description of the new genus <i>Costapycnodus</i>
		<i>Danaphos</i>	<i>Danaphos glomerosus</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus audax</i>	新种	否	New Zealand	Waitakian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus caurus</i>	新种	否	Japan	Pleistocene	Rivista Italiana di Paleontologia e Stratigrafia.	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan

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Fish	Ray-finned fishes	<i>Diaphus</i>	<i>Diaphus endoi</i>	新种	否	Japan	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia.	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan
		<i>Diaphus</i>	<i>Diaphus exilis</i>	新种	否	New Zealand	Otaian to Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus grebneffi</i>	新种	否	Fiji	Piacenzian	Rivista Italiana di Paleontologia e Stratigrafia	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan
		<i>Diaphus</i>	<i>Diaphus huatau</i>	新种	否	New Zealand	Clifdenian to Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus kaiparaensis</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus kakegawaensis</i>	新种	否	Japan	Pleistocene	Rivista Italiana di Paleontologia e Stratigrafia	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan
		<i>Diaphus</i>	<i>Diaphus manningi</i>	新种	否	New Zealand	Clifdenian to Waiauan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus mirus</i>	新种	否	New Zealand	Tongaporutuan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diaphus</i>	<i>Diaphus nappakitisi</i>	新种	否	Japan	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan
		<i>Diaphus</i>	<i>Diaphus noboriensis</i>	新种	否	Japan	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan

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Fish	Ray-finned fishes	<i>Diaphus</i>	<i>Diaphus tenax</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Dibranchus</i>	<i>Dibranchus kakahoensis</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Diogenichthys</i>	<i>Diogenichthys rangiauriensis</i>	新种	否	New Zealand	Mangapanian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Dipulus</i>	<i>Dipulus certus</i>	新种	否	New Zealand	Mangaorapan-Heretaungan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Dolichopteryx</i>	<i>Dolichopteryx iustus</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Echiodon</i>	<i>Echiodon teres</i>	新种	否	New Zealand	Otaian to Clifdenian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Electrona</i>	<i>Electrona subasperoides</i>	新种	否	New Zealand	Waitakian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Elimma</i>	<i>Elimma longipectoralis</i>	新种	否	Brazil	Early Cretaceous	Journal of South American Earth Sciences	<i>Elimma longipectoralis</i> sp. nov. (Teleostei: Clupeomorpha: Elimmichthyiformes) from the Aptian of the Santos Basin, southeastern Brazil
		<i>Emmelichthys</i>	<i>Emmelichthys tennysoni</i>	新种	否	New Zealand	Wairakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Encheltophis</i>	<i>Encheltophis strigosus</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Eomyctophum</i>	<i>Eomyctophum broncaus</i>	新种	否	New Zealand	Waipawan to Porangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Eomyctophum</i>	<i>Eomyctophum porokawa</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Eosemionotus</i>	<i>Eosemionotus diskosomus</i>	新种	否	Italy	Middle Triassic	Palaeontologia Electronica	Taxonomy and phylogeny of <i>Eosemionotus</i> Stolley, 1920 (Neopterygii: Ginglymodi) from the Middle Triassic of Europe
		<i>Eosemionotus</i>	<i>Eosemionotus minutus</i>	新种	否	Switzerland	Middle Triassic	Palaeontologia Electronica	Taxonomy and phylogeny of <i>Eosemionotus</i> Stolley, 1921 (Neopterygii: Ginglymodi) from the Middle Triassic of Europe
		<i>Eosemionotus</i>	<i>Eosemionotus sceltrichensis</i>	新种	否	Switzerland	Middle Triassic	Palaeontologia Electronica	Taxonomy and phylogeny of <i>Eosemionotus</i> Stolley, 1922 (Neopterygii: Ginglymodi) from the Middle Triassic of Europe

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Fish	Ray-finned fishes	<i>Gadiculus</i>	<i>Gadiculus adversus</i>	新种	否	New Zealand	Waiakian to Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Gadiculus</i>	<i>Gadiculus pereawa</i>	新种	否	New Zealand	Tongaporutuan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Galeichthys</i>	<i>Galeichthys ohei</i>	新种	否	New Zealand	Opoitian to Nukumarian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Gilmourella</i>	<i>Gilmourella minuta</i>	新属种	否	Italy	Eocene	Bollettino della Società Paleontologica Italiana	A dragonet (Teleostei, Callionymoidei) from the Eocene of Monte Bolea, Italy
		<i>Gnathophis</i>	<i>Gnathophis araroa</i>	新种	否	New Zealand	Kapitean	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Gonostoma</i>	<i>Gonostoma retunsum</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Grahamichthys</i>	<i>Grahamichthys frigophila</i>	新属种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Gruus</i>	<i>Gruus microcephalus</i>	新属	是	Italy	Eocene	Studi e Ricerche Sui Giacimenti Terziari di Bolca, XIX - Miscellanea Paleontologica.	A revision of "Gobius" microcephalus Ag. (Teleostei) from the early Eocene locality of Monte Bolca (Pesciara site, northern Italy)

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Fish		<i>Gyrodus</i>	<i>Gyrodus huiliches</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	New pycnodontiform fishes (Actinopterygii, Neopterygii) from the Early Cretaceous of the Argentinian Patagonia
		<i>Harpagifer</i>	<i>Harpagifer morgansi</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Hemerocoetes</i>	<i>Hemerocoetes pukunaiti</i>	新种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Hemerocoetes</i>	<i>Hemerocoetes whiroki</i>	新种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Hiascoactinus</i>	<i>Hiascoactinus boryeongensis</i>	新属种	否	South Korea	Late Triassic	Gondwana Research	The first record of redfieldiiform fish (Actinopterygii) from the Upper Triassic of Korea: Implications for paleobiology and paleobiogeography of Redfieldiiformes
		<i>Hintonia</i>	<i>Hintonia robertsi</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Howella</i>	<i>Howella monodens</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Hygophum</i>	<i>Hygophum acutiventris</i>	新种	否	New Zealand	Kapitean	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Ichthyoscopus</i>	<i>Ichthyoscopus pukeuriensis</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Klincigobius</i>	<i>Klincigobius andjelkovicae</i>	新属种	否	Serbia	Early Miocene	Swiss Journal of Palaeontology	The lost freshwater goby fish fauna (Teleostei, Gobiidae) from the early Miocene of Klinci (Serbia)
		<i>Kradimus</i>	<i>Kradimus asflaensis</i>	新属种	否	Morocco	Late Cretaceous	Cretaceous Research	A new crossognathiform fish (Actinopterygii, Teleostei) from the Upper Cretaceous (Turonian) of Southern Morocco with hypertrophied fins
		<i>Lactarius</i>	<i>Lactarius primigenius</i>	新种	否	New Zealand	Bortonian to Kaiatan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lactarius</i>	<i>Lactarius pusillus</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Laeops</i>	<i>Laeops undulatus</i>	新种	否	New Zealand	Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lampanyctodes</i>	<i>Lampanyctodes transiivus</i>	新种	否	New Zealand	Kapitean	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lampanyctus</i>	<i>Lampanyctus popoto</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Lamppanyctus</i>	<i>Lamppanyctus profestus</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lamppanyctus</i>	<i>Lamppanyctus waiohaensis</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lateilopsis</i>	<i>Psettopsis subarcuatus</i>	新属	否	Italy	Eocene	Studi e Ricerche Sui Giacimenti Terziari di Bolca, XIX - Miscellanea Paleontologica	A new genus and species of incertae sedis percormorph fish (Perciformes) from the Eocene of Bolca in northern Italy, and a new genus for Psettopsis latellai Bannikov, 2005
		<i>Lepidorhynchus</i>	<i>Lepidorhynchus frosti</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Leptoscopus</i>	<i>Leptoscopus atavus</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lethrimus</i>	<i>Lethrimus crassornatus</i>	新种	否	New Zealand	Mangaorapan-Heretaungan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Lindoeichthys</i>	<i>Lindoeichthys albertensis</i>	新属种	否	Canada	Late Cretaceous	Geological Magazine	Earliest North American articulated freshwater acanthomorph fish (Teleostei: Percopsiformes) from Upper Cretaceous deposits of Alberta, Canada
		<i>Liparis</i>	<i>Liparis hampdenensis</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Macrurulus</i>	<i>Macrurulus fordycei</i>	新种	否	New Zealand	Waipawan-Mangaorapan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Maoricottus</i>		新属	否	New Zealand	Altonian to Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Melamphaes</i>	<i>Melamphaes leae</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Moradibrichthys</i>	<i>Moradibrichthys vilasecae</i>	新属种	否	Spain	Middle Triassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Moradibrichthys vilasecae gen. et sp. nov., a new perleidid (Actinopterygii: Osteichthyes) from the Middle Triassic of Catalonia (NE Iberian Peninsula)
		<i>Muraenanguilla</i>	<i>Muraenanguilla balegemensis</i>	新属种	否	Belgium	Paleocene and Eocene	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Muraenanguilla</i>	<i>Muraenanguilla lacinata</i>	新属	否	Belgium	Paleocene and Eocene	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Myctophum</i>	<i>Myctophum bortonensis</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Myctophum</i>	<i>Myctophum tamumuensis</i>	新种	否	New Zealand	Clifdenian to Waiauan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Myctophum</i>	<i>Myctophum tenellum</i>	新种	否	New Zealand	Tongaporituan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Mystocheilus</i>	<i>Mystocheilus fresti</i>	新属种	否	United States	Pliocene	Miscellaneous Publications. Museum of Zoology, University of Michigan.	Fishes of the Mio-Pliocene Western Snake River Plain and vicinity. V. Keating, Always Welcome Inn, and Imbler Fish paleofaunas, NE Oregon. Tests of Miocene-Pliocene drainage connections
		<i>Nemadactylus</i>	<i>Nemadactylus trulliformis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Nemadactylus</i>	<i>Nemadactylus utoka</i>	新种	否	New Zealand	Waitakian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Neobythites</i>	<i>Neobythites turpidus</i>	新种	否	New Zealand	Runangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Nezumia</i>	<i>Nezumia morgansi</i>	新种	否	New Zealand	Bortonian and Kaiatian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Notoconger</i>	<i>Notoconger devexus</i>	新属种	否	New Zealand	Runangan to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Notoscopelus</i>	<i>Notoscopelus effertus</i>	新种	否	New Zealand	Kapitean	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Notoscopelus</i>	<i>Notoscopelus praejaponicus</i>	新种	否	Japan	Pleistocene	Rivista Italiana di Paleontologia e Stratigrafia	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan
		<i>Opistognathus</i>	<i>Opistognathus wharekuriensis</i>	新种	否	New Zealand	Dunroonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Oreochromimos</i>	<i>Oreochromimos kabchorensis</i>	新属种	否	Kenya	Miocene	Scientific Reports.	New fossil cichlid from the middle Miocene of East Africa revealed as oldest known member of the Oreochromini
		<i>Padangia</i>		新属	否	Indonesia	Eocene	Journal of Systematic Palaeontology.	Redescription of <i>Barbus megacephalus</i> Günther, 1876 and <i>Thynnichthys amblyostoma</i> von der Marck, 1876 (Cypriniformes: Cyprinidae) from probable Eocene deposits of Southeast Asia, and an assessment of their taxonomic positions
		<i>Panturichthys</i>	<i>Panturichthys grenfelli</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Paralabrus</i>	<i>Paralabrus rossiae</i>	新属种	否	Italy	Eocene	Studi e Ricerche Sui Giacimenti Terziari di Bolca, XIX - Miscellanea Paleontologica.	<i>Paralabrus rossiae</i> , a new genus and species of putative labroid fish (Perciformes) from the Eocene of Bolca in northern Italy
		<i>Parapercis</i>	<i>Parapercis bispicatus</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Parapercis</i>	<i>Parapercis depressidorsalis</i>	新种	否	New Zealand	Waikikian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parapercis</i>	<i>Parapercis fatoides</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parapercis</i>	<i>Parapercis pareoraensis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parapercis</i>	<i>Parapercis richardsoni</i>	新种	否	New Zealand	Waipawan to Porangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parapercis</i>	<i>Parapercis waiwaia</i>	新种	否	New Zealand	Opoitian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parascombrops</i>	<i>Parascombrops giganteus</i>	新种	否	New Zealand	Mangaorapan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Parascombrops</i>	<i>Parascombrops schwarzhansi</i>	新种	否	Philippines	Late Pliocene to early Pleistocene	Zootaxa	Fish otoliths from the Cabarruyan Piacenzian-Gelasian fauna found in the Philippines
		<i>Paraulopus</i>	<i>Paraulopus rallus</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Pelargorhynchus</i>	<i>Pelargorhynchus grandis</i>	新种	否	Netherlands	Late Cretaceous	Netherlands Journal of Geosciences	A new species of percetid (Teleostei, Aulopiformes) from the type Maastrichtian of southern Limburg, the Netherlands
		<i>Pempheris</i>	<i>Pempheris hurupiensis</i>	新种	否	New Zealand	Tongaporutuan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Phractocephalus</i>	<i>Phractocephalus yaguaron</i>	新种	否	Argentina	Late Miocene	Journal of Vertebrate Paleontology	Phractocephaline catfishes from the late Miocene of Argentina, with the description of a new taxon
		<i>Physiculus</i>	<i>Physiculus beui</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Platycephalus</i>	<i>Platycephalus itaitanus</i>	新种	否	New Zealand	Mangaorapan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Platycephalus</i>	<i>Platycephalus riremooana</i>	新种	否	New Zealand	Runangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Platysiagum</i>	<i>Platysiagum sinensis</i>	新种	否	China	Middle Triassic	Geological Magazine	A new species of <i>Platysiagum</i> from the Luoping Biota (Anisian, Middle Triassic, Yunnan, South China) reveals the relationship between <i>Platysiagidae</i> and <i>Neopterygii</i>
		<i>Protomyctophum</i>	<i>Protomyctophum ahunga</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish		<i>Pseudaqualobythites</i>	<i>Pseudaqualobythites biplex</i>	新属种	否	New Zealand	Paleocene and Eocene	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Pseudanthias</i>	<i>Pseudanthias multirenatus</i>	新种	否	New Zealand	Mangorapan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Pseudocaranx</i>	<i>Pseudocaranx pertenuis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Pseudophycis</i>	<i>Pseudophycis muringa</i>	新种	否	New Zealand	Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Pterygotrigla</i>	<i>Pterygotrigla stewarti</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Pteronisculus</i>	<i>Pteronisculus nevadensis</i>	新种	否	New Zealand	Early Triassic	Journal of Paleontology	Marine Early Triassic Actinopterygii from the Candelaria Hills (Esmeralda County, Nevada, USA)
		<i>Pycnodus</i>	<i>Pycnodus multicuspidatus</i>	新种	否	Morocco	Paleocene	Geological Magazine	Multicuspid tooth morphology in a gigantic Palaeocene pycnodont fish: evolutionary and palaeoecological significance
		<i>Quasinectes</i>	<i>Quasinectes durello</i>	新属种	否	Italy	Eocene	Studi e Ricerche Sui Giacimenti Terziari di Bolca, XIX - Miscellanea Paleontologica	A new genus and species of incertae sedis perciform fish (Perciformes) from the Eocene of Bolca in northern Italy, and a new genus for Psettopsis latellai Bannikov, 2005

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Fish	Ray-finned fishes	<i>Rebekkachromis</i>	<i>Rebekkachromis ngororus</i>	新属种	否	Kenya	Miocene	Hydrobiologia	Rebekkachromis nov. gen. from the middle–upper Miocene (11 MYA) of Central Kenya: the oldest record of a haplotilapine cichlid fish
		<i>Rebekkachromis</i>	<i>Rebekkachromis kiptalami</i>	新属种	否	Kenya	Miocene	Hydrobiologia	Rebekkachromis nov. gen. from the middle–upper Miocene (12 MYA) of Central Kenya: the oldest record of a haplotilapine cichlid fish
		<i>Rhamphogobius</i>	<i>Rhamphogobius varidens</i>	新属种	否	Croatia	Early Miocene	Swiss Journal of Palaeontology	The lost freshwater goby fish fauna (Teleostei, Gobiidae) from the early Miocene of Klintci (Serbia)
		<i>Rhynchoconger</i>	<i>Rhynchoconger otaitanus</i>	新种	否	New Zealand	Waipawan-Mangaorapan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Saccogaster</i>	<i>Saccogaster parengarenga</i>	新种	否	New Zealand	Otaian to Clifdenian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sardinella</i>	<i>Sardinella claviformis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sardinella</i>	<i>Sardinella lintricutus</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Schemmelfuro</i>	<i>Schemmelfuro uweelleri</i>	新属种	否	Germany	Late Jurassic	Journal of Vertebrate Palaeontology	Zandfuro and Schemmelfuro, new genera of Halecomorphi (Actinopterygii) from the Upper Jurassic Solnhofen-Archipelago

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Fish	Ray-finned fishes	<i>Scleropages</i>	<i>Scleropages sanshuiensis</i>	新种	否	China	Early Eocene	Vertebrata Palasiatica	A new species of Scleropages (Osteoglossidae, Osteoglossomorpha) from the Eocene of Guangdong, China
		<i>Scopelarchoides</i>	<i>Scopelarchoides neamiticus</i>	新种	否	Romania	Oligocene	Annales de Paléontologie	A new pearleye (Teleostei, Aulopiformes) species from the Oligocene of Romania
		<i>Scopelosaurus</i>	<i>Scopelosaurus brevicauda</i>	新种	否	New Zealand	Kaiauan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sillaginodes</i>	<i>Sillaginodes albisaxosus</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sillago</i>	<i>Sillago maxwelli</i>	新种	否	New Zealand	Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sprattus</i>	<i>Sprattus arewhana</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Sundabarbus</i>	<i>Sundabarbus megacephalus</i>	新属	是	Indonesia	Eocene	Journal of Systematic Palaeontology	Redescription of Barbus megacephalus Günther, 1876 and Thynnichthys amblyostoma von der Marck, 1876 (Cypriniformes: Cyprinidae) from probable Eocene deposits of Southeast Asia, and an assessment of their taxonomic positions
		<i>Symbolophorus</i>	<i>Symbolophorus moriguchii</i>	新种	否	Japan	Pliocene, Pleistocene	Rivista Italiana di Paleontologia e Stratigrafia.	Lanternfish otoliths (Teleostei, Myctophidae) from the Pliocene and Pleistocene of Japan

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Fish		<i>Symbolophorus</i>	<i>Symbolophorus oponiense</i>	新种	否	New Zealand	Waiakian and Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Symbolophorus</i>	<i>Symbolophorus tongaporutuensis</i>	新种	否	New Zealand	Tongaporutuan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Symphysanodon</i>	<i>Symphysanodon inamata</i>	新种	否	New Zealand	Mangaorapan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Thalasseleotris</i>	<i>Thalasseleotris whatua</i>	新种	否	New Zealand	Lillburnian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Tharsis</i>	<i>Tharsis elleri</i>	新种	否	Germany	Late Jurassic	Fossil Record	On a remarkable new species of Tharsis, a Late Jurassic teleostean fish from southern Germany: its morphology and phylogenetic relationships
		<i>Thiollierpseudodus</i>		新属	否	France	Late Jurassic	Zoological Journal of the Linnean Society	A new genus of Pycnodontidae (Actinopterygii) from the Upper Jurassic of France and Germany, included in a phylogeny of Pycnodontiformes
		<i>Thryptodus</i>	<i>Thryptodus loomis</i>	新种	否	United States	Late Cretaceous	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	A new species and biology of the Late Cretaceous 'blunt-snouted' bony fish, Thryptodus (Actinopterygii: Tselfatiiformes), from the United States
		<i>Tonganago</i>	<i>Tonganago wharenga</i>	新种	否	New Zealand	Waipawan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Tongarewa</i>	<i>Tongarewa waihaensis</i>	新属种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Tongarewa</i>	<i>Tongarewa clemensi</i>	新属种	否	New Zealand	Dunroonian to Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Toroatherina</i>	<i>Toroatherina toroa</i>	新属种	否	New Zealand	Eocene	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Toxopyge</i>	<i>Toxopyge campylus</i>	新属种	否	Serbia	Early Miocene	Swiss Journal of Palaeontology	The lost freshwater goby fish fauna (Teleostei, Gobiidae) from the early Miocene of Kinci (Serbia)
		<i>Trachyrincus</i>	<i>Trachyrincus atlastax</i>	新种	否	New Zealand	Otaian to Tongaporituan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Tranawuen</i>	<i>Tranawuin agritoensis</i>	新属	否	Argentina	Early Cretaceous	Cretaceous Research	New pycnodontiform fishes (Actinopterygii, Neopterygii) from the Early Cretaceous of the Argentinian Patagonia
		<i>Trawdenia</i>	<i>Trawdenia planti</i>	新属	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh.	This strange little palaeoniscid: a new early actinopterygian genus, and commentary on pectoral fin conditions and function
		<i>Tunisiaclupea</i>	<i>Tunisiaclupea speratus</i>	新属种	否	Tunisia	Early Cretaceous	Journal of Vertebrate Palaeontology	A new paraclupeid fish (Clupeomorpha: Ellimmichthyiformes) from the Lower Cretaceous Sidi Aich Formation of southern Tunisia: phylogenetic and paleobiogeographic implications

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Fish	Ray-finned fishes	<i>Uranoscopus</i>	<i>Uranoscopus rudis</i>	新种	否	New Zealand	Dunroonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Uranoscopus</i>	<i>Uranoscopus tectiformis</i>	新种	否	New Zealand	Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Valenciennellus</i>	<i>Valenciennellus fastigatus</i>	新种	否	New Zealand	Otaian and Altonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Veridagon</i>	<i>Veridagon avendanoi</i>	新属种	否	Mexico	Late Cretaceous	Journal of South American Earth Sciences	Dagon avendanoi gen. and sp. nov., an Early Cenomanian Enchodontidae (Aulopiformes) fish from the El Chango quarry, Chiapas, southeastern Mexico
		<i>Vinciguerria</i>	<i>Vinciguerria orientalis</i>	新种	否	South Korea	Middle Miocene	Journal of Vertebrate Paleontology	A new lightfish, <i>Vinciguerria orientalis</i> , sp. nov. (Teleostei, Stomiiformes, Phosichthyidae), from the middle Miocene of South Korea
		<i>Waihaoclupea</i>	<i>Waihaoclupea pinguis</i>	新属种	否	New Zealand	Mangaorapan to Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Citharus</i>	<i>Mangaorapan to Bortonian</i>	新属	否	New Zealand	Otaian to Waiuan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Waitakia</i>	<i>Waitakia aho</i>	新种	否	New Zealand	Mangaorapan to Porangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths

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Fish	Ray-finned fishes	<i>Waitakia</i>	<i>Waitakia proclimens</i>	新种	否	New Zealand	Mangaorapan to Porangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Waitakia</i>	<i>Waitakia profunda</i>	新种	否	New Zealand	Kaiatan to Runangan	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Xenocephalus</i>	<i>Xenocephalus otaianus</i>	新种	否	New Zealand	Otaian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Yudaitichthys</i>	<i>Yudaitichthys eximius</i>	新属种	否	China	Middle Triassic	Vertebrata Palasiatica	A Middle Triassic kyphosichthyiform from Yunnan, China, and phylogenetic reassessment of early ginglymodians
		<i>Zandtfuro</i>	<i>Zandtfuro tischlingeri</i>	新属种	否	Germany	Late Jurassic	Journal of Vertebrate Paleontology	Zandtfuro and Schemfeldfuro, new genera of Halecomorphi (Actinopterygii) from the Upper Jurassic Solnhofen-Archipelago
		<i>Zonobythites</i>	<i>Zonobythites cornifer</i>	新种	否	New Zealand	Porangan and Bortonian	Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano.	Reconstruction of the fossil marine bony fish fauna (Teleostei) from the Eocene to Pleistocene of New Zealand by means of otoliths
		<i>Anchidipterus</i>	<i>Anchidipterus dariae</i>	新属种	否	Russia	Devonian	Paleontological Journal	The first find of a dipnoan fish (Sarcopterygii) in the Famennian (Upper Devonian) of the Tver' Region
		<i>Clackodus</i>	<i>Clackodus angustulus</i>	新属	否	United Kingdom	Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Traquair's lungfish from Loanhead: dipnoan diversity and tooth plate growth in the late Mississippian

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Amphibians		<i>Branchiosaurus</i>	<i>Branchiosaurus commentryensis</i>	新种	否	France	Carboniferous	Semana. Naturwissenschaftliche Veröffentlichungen des Naturhistorischen Museums Schloss Bertholdsburg Schleusingen	Dissorphoid amphibians from the Carboniferous-Permian boundary of France
		<i>Cratopipa</i>	<i>Cratopipa novaolindensis</i>	新属种	否	Brazil	Early Cretaceous	Journal of South American Earth Sciences	A new genus of pipimorph frog (Anura) from the Early Cretaceous Crato formation (Aptian) and the evolution of South American tongueless frogs
		<i>Diabloroter</i>	<i>Diabloroter bolti</i>	新属种	否	United States	Carboniferous	Zoological Journal of the Linnean Society	<i>Diabloroter bolti</i> , a short-bodied recumbirostran 'microsaur' from the Francis Creek Shale, Mazon Creek, Illinois
		<i>Hassiacoscutum</i>	<i>Hassiacoscutum munki</i>	新属种	否	Germany	Late Permian	Journal of Vertebrate Paleontology	A new bystrowianid from the late Permian of Germany: First record of a Permian chroniosuchian (Tetrapoda) outside Russia and China
		<i>Infernovenator</i>	<i>Infernovenator steenae</i>	新属种	否	United States	Carboniferous	Zoological Journal of the Linnean Society	<i>Infernovenator steenae</i> , a new serpentine recumbirostran from the 'Mazon Creek' Lagerstätte further clarifies lysorophian origins
		<i>Linglongtriton</i>	<i>Linglongtriton daxishanensis</i>	新属种	否	China	Late Jurassic	Journal of Vertebrate Paleontology	A new stem hynobiid salamander (Urodela, Cryptobranchioidea) from the Upper Jurassic (Oxfordian) of Liaoning Province, China
		<i>Limmerpeton</i>	<i>Limmerpeton modestum</i>	新属	否	Czech Republic	Late Carboniferous	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Two primitive trematopid amphibians (Temnospondyli, Dissorophioidea) from the Upper Carboniferous of the Czech Republic
		<i>Monticeaubatrachus</i>	<i>Monticeaubatrachus platyrinchus</i>	新属种	否	France	Carboniferous/Permian	Naturwissenschaftliche Veröffentlichungen des Naturhistorischen Museums Schloss Bertholdsburg Schleusingen.	Dissorphoid amphibians from the Carboniferous-Permian boundary of France

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Reptiles	Lizards and snakes	<i>Egernia</i>	<i>Egernia gillespieae</i>	新种	否	Australia	Middle Miocene	Journal of Vertebrate Paleontology	A new scincid lizard from the Miocene of Northern Australia, and the evolutionary history of social skinks (Scincidae: Egerniinae)
		<i>Eomadsisoia</i>	<i>Eomadsisoia ragei</i>	新属种	否	Argentina	Late Cretaceous	Comptes Rendus Palevol	A new Late Cretaceous snake from Patagonia: Phylogeny and trends in body size evolution of madisoiid snakes
		<i>Globidens</i>	<i>Globidens simplex</i>	新种	否	Morocco	Late Cretaceous	Zoological Journal of the Linnean Society	Insights into the anatomy and functional morphology of durophagous mosasaurines (Squamata: Mosasauridae) from a new species of Globidens from Morocco
		<i>Gurvelus</i>	<i>Gurvelus khangaicus</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Eoxantidae, Ardeosauridae, Globauridae, and Paramacellodidae (Scincomorpha) from the Aptian–Albian of Mongolia
		<i>Hoeckosaurus</i>	<i>Hoeckosaurus mongoliensis</i>	新属种	否	Mongolia	Early Oligocene	Zoological Journal of the Linnean Society	The first potential fossil record of a dibamid reptile (Squamata: Dibamidae): a new taxon from the early Oligocene of Central Mongolia
		<i>Hongshanxi</i>	<i>Hongshanxi xiei</i>	新属种	否	China	Late Jurassic	Geodiversitas	A new Jurassic lizard from China
		<i>Indrasaurus</i>	<i>Indrasaurus wangi</i>	新属种	否	China	Early Cretaceous	Current Biology	Microaptor with ingested lizard suggests non-specialized digestive function
		<i>Khereidia</i>	<i>Khereidia aptiana</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Eoxantidae, Ardeosauridae, Globauridae, and Paramacellodidae (Scincomorpha) from the Aptian–Albian of Mongolia
		<i>Lapparentophis</i>	<i>Lapparentophis ragei</i>	新种	否	Morocco	Cretaceous	Comptes Rendus Palevol	A new species of Lapparentophis from the mid-Cretaceous Kem Kem beds, Morocco, with remarks on the distribution of lapparentophiid snakes
		<i>Naimanosaurus</i>	<i>Naimanosaurus dinosauroaequalis</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Eoxantidae, Ardeosauridae, Globauridae, and Paramacellodidae (Scincomorpha) from the Aptian–Albian of Mongolia

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Reptiles	Lizards and snakes	<i>Ophisaurus</i>	<i>Ophisaurus manchenoi</i>	新种	否	Spain	Early Pleistocene	Palaeogeography, Palaeoclimatology, Palaeoecology.	Extirpation of <i>Ophisaurus</i> (Anguimorpha, Anguinae) in Western Europe coincided with the disappearance of subtropical ecosystems at the Early-Middle Pleistocene transition
		<i>Palaeopython</i>	<i>Palaeopython helveticus</i>	新种	否	Switzerland	Eocene	Swiss Journal of Geosciences	A new species of <i>Palaeopython</i> (Serpentes) and other extinct squamates from the Eocene of Dielsdorf (Zurich, Switzerland)
		<i>Palaeoxanta</i>	<i>Palaeoxanta conicodentata</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Eoxantidae, Ardeosauridae, Globauridae, and Paramacellodidae (Scincomorpha) from the Aptian–Albian of Mongolia
		<i>Paradorsetisaurus</i>	<i>Paradorsetisaurus postumus</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Dorsetisauridae and Xenosauridae (Anguimorpha) from the Aptian–Albian of Mongolia
		<i>Paraxenophis</i>	<i>Paraxenophis spanios</i>	新属种	否	Greece	Latest Miocene or earliest Pliocene	Palaentologia Electronica	Fossil amphibians and reptiles from the Neogene locality of Maramena (Greece), the most diverse European herpetofauna at the Miocene/Pliocene transition boundary
		<i>Periergophis</i>	<i>Periergophis micros</i>	新属种	否	Greece	Latest Miocene or earliest Pliocene	Palaentologia Electronica	Fossil amphibians and reptiles from the Neogene locality of Maramena (Greece), the most diverse European herpetofauna at the Miocene/Pliocene transition boundary
		<i>Portunatasaurus</i>	<i>Portunatasaurus krambergeri</i>	新属种	否	Croatia	Late Cretaceous	Journal of Vertebrate Paleontology	Description of a new basal mosasauroid from the Late Cretaceous of Croatia, with comments on the evolution of the mosasauroid forelimb
		<i>Sardophis</i>	<i>Sardophis elaphoides</i>	新属种	否	Italy	Early Pleistocene	Bollettino della Società Paleontologica Italiana	A new colubroid snake (Serpentes) from the early Pleistocene of Sardinia, Italy

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Reptiles	Lizards and snakes	<i>Xenostius</i>	<i>Xenostius futilius</i>	新属种	否	Mongolia	Early Cretaceous	Paleontological Journal	Lizards of the families Dorsetisauridae and Xenosauridae (Anguimorpha) from the Aptian-Albian of Mongolia
	Ichthyosauromorphs	<i>Arthropterygius</i>	<i>Arthropterygius thalassonotus</i>	新种	否	Argentina	Late Jurassic	Zoological Journal of the Linnean Society	A new ichthyosaur from the Late Jurassic of north-west Patagonia (Argentina) and its significance for the evolution of the narial complex of the ophthalmosaurids
		<i>Chaohusaurus</i>	<i>Chaohusaurus brevifemoralis</i>	新种	否	China	Early Triassic	PeerJ	The new ichthyosauriform <i>Chaohusaurus brevifemoralis</i> (Reptilia, Ichthyosauromorpha) from Majiashan, Chaohu, Anhui Province, China
		<i>Cyamodus</i>	<i>Cyamodus orientalis</i>	新种	否	China	Late Triassic	Journal of Systematic Palaeontology	A new species of <i>Cyamodus</i> (Placodontia, Sauropterygia) from the early Late Triassic of south-west China
		<i>Glyphoderma</i>	<i>Glyphoderma robusta</i>	新种	否	China	Late Triassic	Journal of Geology	A new species of <i>Glyphoderma</i> (Reptilia: Placodontia) of Middle Triassic from Fuyuan County, Yunnan Province, China
		<i>Leivanectes</i>	<i>Leivanectes bernardoi</i>	新属种	否	Colombia	Early Cretaceous	Cretaceous Research	A new late Aptian elasmosaurid from the Paja Formation, Villa de Leiva, Colombia
		<i>Lindwurmia</i>	<i>Lindwurmia thiuda</i>	新属种	否	Germany	Early Jurassic	The Science of Nature	<i>Lindwurmia</i> , a new genus of Plesiosauria (Reptilia: Sauropterygia) from the earliest Jurassic of Halberstadt, northwest Germany
		<i>Microcleidus</i>	<i>Microcleidus melusinae</i>	新种	否	Luxembourg	Early Jurassic	Geological Magazine	<i>Microcleidus melusinae</i> , a new plesiosaurian (Reptilia, Plesiosauria) from the Toarcian of Luxembourg
		<i>Nothosaurus</i>	<i>Nothosaurus cristatus</i>	新种	否	Germany	Middle Triassic	Journal of Vertebrate Paleontology	A new nothosaur (Sauropterygia) from the Ladinian of Vallbergeschenau, southern Germany

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Reptiles	Sauropterygians	<i>Panzhousaurus</i>	<i>Panzhousaurus rotundirostris</i>	新属种	否	China	Middle Triassic	Journal of Vertebrate Paleontology	A new Anisian (Middle Triassic) eosauropterygian (Reptilia, Sauropterygia) from Panzhou, Guizhou Province, China
		<i>Asmodochelys</i>	<i>Asmodochelys parhami</i>	新属种	否	United States	Late Cretaceous	Royal Society Open Science	<i>Asmodochelys parhami</i> , a new fossil marine turtle from the Campanian Demopolis Chalk and the stratigraphic congruence of competing marine turtle phylogenies
	<i>Axestemys</i>	<i>Axestemys infernalis</i>	新种	否	United States	Late Cretaceous	Palaeontologia Electronica		A new species of trionychid turtle, <i>Axestemys infernalis</i> sp. nov., from the Late Cretaceous (Maastrichtian) Hell Creek and Lance formations of the Northern Great Plains, USA
	<i>Banhxeochelys</i>	<i>Banhxeochelys trani</i>	新属种	否	Vietnam	Eocene	PeerJ		A new testudinoid turtle from the middle to late Eocene of Vietnam
	<i>Duboisemys</i>		新属	否	Indonesia	Middle Pleistocene	International Journal of Zoology Studies		Evidences of cheloniophagy by early hominid (<i>Homo erectus</i>) during middle of Pleistocene from beds of Trini's layers in central Java (Indonesia), with an updated list of Trini's Testudines, and a redescription of <i>Duboisemys isoclina</i> (Dubois, 1908)
	<i>Francemys</i>	<i>Francemys gadoufaouaensis</i>	新属种	否	Niger	Early Cretaceous	Cretaceous Research		The African Aptian <i>Francemys gadoufaouaensis</i> gen. et sp. nov.: new data on the early diversification of <i>Pelomedusoides</i> (Testudines, Pleurodira) in northern Gondwana
	<i>Ilartardia</i>	<i>Ilartardia cettotesta</i>	新属种	否	Niger	Late Cretaceous	Journal of African Earth Sciences		A new member of Taphrosphyini (Pleurodira, Bothremydidae) from the Maastrichtian of Niger
	<i>Kalasinemys</i>	<i>Kalasinemys prasarittongsothi</i>	新属种	否	Thailand	Late Jurassic	Geological Magazine.		<i>Kalasinemys</i> , a new xinjiangchelyid turtle from the Late Jurassic of NE Thailand
	<i>Protoshchemys</i>	<i>Protoshchemys rubra</i>	新属种	否	Thailand	Early Cretaceous	Annales de Paléontologie		<i>Phu Din Daeng</i> , a new Early Cretaceous vertebrate locality on the Khorat Plateau, NE Thailand

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Reptiles	Turtles	<i>Saxocheilus</i>	<i>Saxocheilus gilberti</i>	新属种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	A new baeniid turtle, <i>Saxocheilus gilberti</i> , gen. et sp. nov., from the uppermost Cretaceous (Maastrichtian) Hell Creek Formation: sexual dimorphism and spatial niche partitioning within the most speciose group of Late Cretaceous turtles	
		<i>Trinitichelys</i>	<i>Trinitichelys maini</i>	新种	否	United States	Late Cretaceous	Palaeontologia Electronica	A new baeniid, "Trinitichelys" maini sp. nov., and other fossil turtles from the Upper Cretaceous Arlington Archosaur Site (Woodbine Formation, Cenomanian), Texas, USA	
		<i>Wutuchelys</i>	<i>Wutuchelys eocenica</i>	新属种	否	China	China	Early Eocene	Geological Magazine	<i>Wutuchelys eocenica</i> n. gen. n. sp., an Eocene stem testudinoid turtle from Wutu, Shandong Province, China
		<i>Ancistronychus</i>	<i>Ancistronychus paradoxus</i>	新属种	否	United States	United States	Late Triassic	PaleoBios	A new drepanosauromorph, <i>Ancistronychus paradoxus</i> n. gen. et sp., from the Chinle Formation of Petrified Forest National Park, Arizona, USA
		<i>Captorhinus</i>	<i>Captorhinus kieranii</i>	新种	否	United States	United States	Permian	Frontiers in Earth Science	A new captorhinid from the Permian cave system near Richards Spur, Oklahoma, and the taxic diversity of <i>Captorhinus</i> at this locality
	Other reptiles	<i>Carbonodraco</i>	<i>Carbonodraco lundii</i>	新属	是	United States	United States	Carboniferous	Royal Society Open Science	<i>Carbonodraco lundii</i> gen et sp. nov., the oldest parareptile, from Linton, Ohio, and new insights into the early radiation of reptiles
		<i>Clevosaurus</i>	<i>Clevosaurus hadroprodon</i>	新种	否	Brazil	Brazil	Late Triassic	Scientific Reports	A new clevosaurid from the Triassic (Carnian) of Brazil and the rise of sphenodontians in Gondwana
		<i>Coeruleodraco</i>	<i>Coeruleodraco jurassicus</i>	新属种	否	China	China	Late Jurassic	Journal of Systematic Palaeontology	The first record of a nearly complete choristodere (Reptilia: Diapsida) from the Upper Jurassic of Hebei Province, People's Republic of China

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Reptiles	Other reptiles	<i>Patagosphenos</i>	<i>Patagosphenos watuku</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	Bridging the gap: sphenodont remains from the Turonian (Upper Cretaceous) of Patagonia. Palaeobiological inferences
		<i>Sclerostropheus</i>		新属	否	Italy	Late Triassic	Palaeontologia Electronica	A taxonomic revision of the genus Tanystropheus (Archosauromorpha, Tanystropheidae)
		<i>Shihitienfenia</i>	<i>Shihitienfenia completus</i>	新种	否	China	Permian	Acta Palaeontologica Sinica	The first complete parciaisaur skull from China
Archosaur	Pseudosuchians	<i>Acerosuchus</i>	<i>Acerosuchus pachytemporalis</i>	新属种	否	Brazil	Late Miocene	Journal of Vertebrate Paleontology	A new caimanine (Crocodylia, Alligatoroidea) species from the Solimões Formation of Brazil and the phylogeny of Caimaninae
		<i>Aprosuchus</i>	<i>Aprosuchus ghirai</i>	新属种	否	Romania	Late Cretaceous	Cretaceous Research	A new Theriosuchus-like crocodyliform from the Maastrichtian of Romania
		<i>Astorgosuchus</i>	<i>Astorgosuchus bugtiensis</i>	新属种	否	Pakistan	Oligocene	Journal of Vertebrate Paleontology	A large crocodyloid from the Oligocene of the Bugti Hills, Pakistan
		<i>Barrosasuchus</i>	<i>Barrosasuchus neuquenianus</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new and complete peirosaurid (Crocodyliformes, Notosuchia) from Sierra Barrosa (Santonian, Upper Cretaceous) of the Neuquén Basin, Argentina
		<i>Bathysuchus</i>	<i>Bathysuchus megarhinus</i>	新属	是	England	Late Jurassic	PeerJ	Revision of the Late Jurassic deep-water teleosauroid crocodylomorph Teleosaurus megarhinus Hulke, 1871 and evidence of pelagic adaptations in Teleosauroidea
		<i>Colluhuehuapisuchus</i>	<i>Colluhuehuapisuchus lunai</i>	新属种	否	Argentina	Late Cretaceous	Annals of Carnegie Museum	A new peirosaurid crocodyliform from the Upper Cretaceous Lago Colhué Huapi Formation of central Patagonia, Argentina
		<i>Coloradisuchus</i>	<i>Coloradisuchus abelini</i>	新属种	否	Argentina	Late Triassic	Journal of Vertebrate Paleontology	A new protosuchid crocodyliform (Pseudosuchia, Crocodylomorpha) from the Norian Los Colorados Formation, northwestern Argentina

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Archosaur Pseudosuchians		<i>Cricosaurus</i>	<i>Cricosaurus bambergensis</i>	新种	否	Germany	Late Jurassic	Acta Palaeontologica Polonica	A new species of the metriorthynchid crocodylomorph <i>Cricosaurus</i> from the Upper Jurassic of southern Germany
		<i>Deslongchampsina</i>	<i>Deslongchampsina larteti</i>	新属	否	United Kingdom	Middle Jurassic	Zoological Journal of the Linnean Society	Re-description of two contemporaneous mesorostrine teleosauroids (Crocodylomorpha: Thalattosuchia) from the Bathonian of England and insights into the early evolution of Machimosaurini
		<i>Hulkepholis</i>	<i>Hulkepholis rori</i>	新种	否	Spain	Early Cretaceous	PeerJ	A new goniopholidid crocodyliform, <i>Hulkepholis rori</i> sp. nov. from the Camarillas Formation (early Barremian) in Galve, Spain)
		<i>Indosinosuchus</i>	<i>Indosinosuchus potamosiamensis</i>	新属种	否	Thailand	Middle or Late Jurassic	Journal of Vertebrate Paleontology	A new freshwater teleosauroid from the Jurassic of northeastern Thailand
		<i>Isisfordia</i>	<i>Isisfordia molnari</i>	新种	否	Australia	Late Cretaceous	PeerJ	<i>Isisfordia molnari</i> sp. nov., a new basal eusuchian from the mid-Cretaceous of Lightning Ridge, Australia
		<i>Jiangxisuchus</i>	<i>Jiangxisuchus nankangensis</i>	新属种	否	China	Late Cretaceous	Cretaceous Research	A new crocodyloid (Eusuchia: Crocodylia) from the Upper Cretaceous of China
		<i>Opisuchus</i>	<i>Opisuchus meieri</i>	新属种	否	Germany	Middle Jurassic	Zoological Journal of the Linnean Society	The first metriorthynchoid crocodyliform from the Aalenian (Middle Jurassic) of Germany, with implications for the evolution of Metriorthynchoidea
		<i>Orientalosuchus</i>	<i>Orientalosuchus naduongensis</i>	新属种	否	Vietnam	Eocene	PeerJ	A new alligatoroid from the Eocene of Vietnam highlights an extinct Asian clade independent from extant <i>Alligator sinensis</i>
		<i>Scolomastax</i>	<i>Scolomastax sahlsteini</i>	新属种	否	United States	Late Cretaceous	The Anatomical Record	An enigmatic small neosuchian crocodyliform from the Woodbine Formation of Texas
		<i>Tarsomordeo</i>	<i>Tarsomordeo winkleri</i>	新属种	否	United States	Early Cretaceous	Journal of Vertebrate Paleontology	Small terrestrial crocodyliform from the Lower Cretaceous (late Aptian) of central Texas and its implications on the paleoecology of the Proctor Lake dinosaur locality

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Archosaur	Pseudosuchians	<i>Yviridiosuchus</i>	<i>Yviridiosuchus boutillieri</i>	新属	否	United Kingdom	Middle Jurassic	Zoological Journal of the Linnean Society	Re-description of two contemporaneous mesorostrine teleosauroids (Crocodylomorpha: Thalattosuchia) from the Bathonian of England and insights into the early evolution of Machimosaurini
		<i>Albadraco</i>	<i>Albadraco tharmisensis</i>	新属种	否	Romania	Late Cretaceous	Cretaceous Research	A new species of large-sized pterosaur from the Maastrichtian of Transylvania (Romania)
	<i>Coloborhynchus</i>	<i>Coloborhynchus fluviferox</i>	新种	否	Morocco	Cretaceous	Cretaceous Research	A new species of Coloborhynchus (Pterosauria, Ormithocheiridae) from the mid-Cretaceous of North Africa	
	<i>Cryodrakon</i>	<i>Cryodrakon boreas</i>	新属种	否	Canada	Late Cretaceous	Journal of Vertebrate Paleontology	<i>Cryodrakon boreas</i> gen. et sp. nov. a Late Cretaceous Canadian azhdarchoid pterosaur	
	<i>Ferrodraco</i>	<i>Ferrodraco lentoni</i>	新属种	否	Australia	Late Cretaceous	Scientific Reports	<i>Ferrodraco lentoni</i> gen. et sp. nov., a new ornithocheirid pterosaur from the Winton Formation (Cenomanian-lower Turonian) of Queensland, Australia	
	Pterosaurs	<i>Iberodactylus</i>	<i>Iberodactylus andreui</i>	新属种	否	Spain	Early Cretaceous	Scientific Reports	On a new crested pterodactyloid from the Early Cretaceous of the Iberian Peninsula and the radiation of the clade Anhangueria
		<i>Keresdrakon</i>	<i>Keresdrakon vilsoni</i>	新属种	否	Brazil	Cretaceous	Anais da Academia Brasileira de Ciências	A new toothless pterosaur (Pterodactyloidea) from Southern Brazil with insights into the paleoecology of a Cretaceous desert
		<i>Mimodactylus</i>	<i>Mimodactylus libanensis</i>	新属种	否	Lebanon	Late Cretaceous	Scientific Reports	First complete pterosaur from the Afro-Arabian continent: insight into pterodactyloid diversity
		<i>Nurhachius</i>	<i>Nurhachius luei</i>	新种	否	China	Early Cretaceous	PeerJ	<i>Nurhachius luei</i> , a new istiodactylid pterosaur (Pterosauria, Pterodactyloidea) from the Early Cretaceous Jiufotang Formation of Chaoyang City, Liaoning Province (China) and comments on the Istiodactylidae

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Archosaur	Pterosaurs	<i>Seazzadactylus</i>	<i>Seazzadactylus venteri</i>	新属种	否	Italy	Late Triassic	PeerJ	Seazzadactylus venteri gen. et sp. nov., a new pterosaur (Diapsida: Pterosauria) from the Upper Triassic (Norian) of northeastern Italy
		<i>Targaryendraco</i>	<i>Targaryendraco wiedenrothi</i>	新属	否	Germany	Early Cretaceous	Historical Biology	On Targaryendraco wiedenrothi gen. nov. (Pterodactyloidea, Pteranodontidae, Lanceodontia) and recognition of a new cosmopolitan lineage of Cretaceous toothed pterodactyloids
		<i>Aemignaspina</i>	<i>Aemignaspina pantyffynnonensis</i>	新属种	否	United Kingdom	Late Triassic	Journal of Vertebrate Paleontology	A new crurotarsan archosaur from the Late Triassic of South Wales
	Other archosaurs	<i>Kwanasaurus</i>	<i>Kwanasaurus williamparkeri</i>	新属种	否	United States	Late Triassic	PeerJ	Non-dinosaurian dinosauriforms from the Chinle Formation (Upper Triassic) of the Eagle Basin, northern Colorado: Dromomeron romeri (Lagerpetidae) and a new taxon, Kwanasaurus williamparkeri (Silesauridae)
		<i>Antarctanax</i>	<i>Antarctanax shackletoni</i>	新属种	否	Antarctica	Triassic	Journal of Vertebrate Paleontology	A novel archosauriform from Antarctica and an updated review of a high-latitude vertebrate assemblage in the wake of the end-Permian mass extinction
		<i>Mystriosuchus</i>	<i>Mystriosuchus steinbergeri</i>	新种	否	Austria	Late Triassic	Zoological Journal of the Linnean Society	Description and phylogenetic placement of a new marine species of pterosaur (Archosauriformes: Pterosauria) from the Late Triassic of Austria
	birds	<i>Volcanosuchus</i>	<i>Volcanosuchus statisticae</i>	新属种	否	India	Late Triassic	Papers in Palaeontology	Cranial morphology of a new pterosaur (Diapsida, Archosauria) from the Upper Triassic of India: implications for pterosaur phylogeny and biostratigraphy
		<i>Alcmonavis</i>	<i>Alcmonavis poeschli</i>	新属种	否	Germany	Late Jurassic	eLife	A non-archaeopterygid avialan theropod from the Late Jurassic of southern Germany

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Archosaur birds		<i>Aldiomedes</i>	<i>Aldiomedes angustirostris</i>	新属种	否	New Zealand	Late Pliocene	Ibis	A small, narrow-beaked albatross from the Pliocene of New Zealand demonstrates a higher past diversity in the feeding ecology of the Diomedidae
		<i>Antarcticavis</i>	<i>Antarcticavis capelambensis</i>	新属种	否	Antarctica	Late Cretaceous	Cretaceous Research	An enigmatic bird from the lower Maastriichtian of Vega Island, Antarctica
		<i>Archaeopteryx</i>	<i>Archaeopteryx albersdoerferi</i>	新种	否	Germany	Late Jurassic	Historical Biology	The first specimen of Archaeopteryx from the Upper Jurassic Mörnsheim Formation of Germany
		<i>Avimaia</i>	<i>Avimaia schweizerae</i>	新属种	否	China	Early Cretaceous	Nature Communications	An Early Cretaceous enantiornithine (Aves) preserving an unlaid egg and probable medullary bone
		<i>Camptodontornis</i>		新属	否	China	Early Cretaceous	Zootaxa	<i>Camptodontornis</i> gen. nov., a replacement name for the bird genus <i>Camptodontus</i> Li, Gong, Zhang, Yang, and Hou, 2010, a junior homonym of <i>Camptodontus</i> Dejean, 1826
		<i>Carpathiavis</i>	<i>Carpathiavis meniliticus</i>	新属种	否	Poland	Oligocene	Palaeodiversity	A skeleton of a small bird with a distinctive furcula morphology, from the Rupelian of Poland, adds a new taxon to early Oligocene avifaunas
		<i>Chererychnavis</i>	<i>Chererychnavis umanskae</i>	新属种	否	Ukraine	Miocene	Zootaxa	A new species of the late Miocene charadriiform bird (Aves: Charadriiformes), with a summary of all Paleogene and Miocene Charadrii remains
		<i>Conflicto</i>	<i>Conflicto antarcticus</i>	新属种	否	Antarctica	Early Paleocene	Zoological Journal of the Linnean Society	A stem anseriform from the early Palaeocene of Antarctica provides new key evidence in the early evolution of waterfowl
		<i>Coturnix</i>	<i>Coturnix atabrevis</i>	新种	否	Madeira	Late Quaternary	Zoological Journal of the Linnean Society	Unforeseen diversity of quails (Galliformes: Phasianidae: Coturnix) in oceanic islands provided by the fossil record of Macaronesia

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Archosaur birds		<i>Coturnix</i>	<i>Coturnix centensis</i>	新种	否	Cape Verde	Late Quaternary	Zoological Journal of the Linnean Society	Unforeseen diversity of quails (Galliformes: Phasianidae: Coturnix) in oceanic islands provided by the fossil record of Macaronesia
		<i>Coturnix</i>	<i>Coturnix lignorum</i>	新种	否	Madeira	Late Quaternary	Zoological Journal of the Linnean Society	Unforeseen diversity of quails (Galliformes: Phasianidae: Coturnix) in oceanic islands provided by the fossil record of Macaronesia
		<i>Crossvallia</i>	<i>Crossvallia waiparensis</i>	新种	否	New Zealand	Paleocene	Alcheringa: An Australasian Journal of Palaeontology	Leg bones of a new penguin species from the Waipara Greensand add to the diversity of very large-sized Sphenisciformes in the Paleocene of New Zealand
		<i>Dasyornis</i>	<i>Dasyornis walterbolesi</i>	新种	否	Australia	Early Miocene	Journal of Vertebrate Paleontology	A new species of bristlebird (Passeriformes, Dasyornithidae) from the early Miocene of Australia
		<i>Dromaius</i>	<i>Dromaius arleyekweke</i>	新种	否	Australia	Late Miocene	Journal of Vertebrate Paleontology	A diminutive species of emu (Casuariidae: Dromaiinae) from the late Miocene of the Northern Territory, Australia
		<i>Dryolimnas</i>	<i>Dryolimnas chekei</i>	新种	否	Mauritius	Holocene	Zootaxa	Systematics, morphology and ecology of rails (Aves: Rallidae) of the Mascarene Islands, with one new species
		<i>Ducula</i>	<i>Ducula shutleri</i>	新种	否	Tonga	Holocene	Zoological Journal of the Linnean Society	Prehistoric avifaunas from the Kingdom of Tonga
		<i>Elektorornis</i>	<i>Elektorornis chenguangi</i>	新属种	否	Myanmar	Cretaceous	Current Biology	A new enantiornithine bird with unusual pedal proportions found in amber
		<i>Eofringillirostrum</i>	<i>Eofringillirostrum boudreauxi</i>	新属种	否	Germany	Early Eocene	Current Biology	Oldest finch-beaked birds reveal parallel ecological radiations in the earliest evolution of passerines
		<i>Eofringillirostrum</i>	<i>Eofringillirostrum parvulum</i>	新属种	否	Germany	Early Eocene	Current Biology	Oldest finch-beaked birds reveal parallel ecological radiations in the earliest evolution of passerines
		<i>Eudypetes</i>	<i>Eudypetes warhami</i>	新种	否	New Zealand	Holocene	Molecular Biology and Evolution	Mitogenomes uncover extinct penguin taxa and reveal island formation as a key driver of speciation

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Archosaur birds		<i>Fukuipteryx</i>	<i>Fukuipteryx prima</i>	新属种	否	Japan	Early Cretaceous	Communications Biology	An unusual bird (Theropoda, Avialae) from the Early Cretaceous of Japan suggests complex evolutionary history of basal birds
		<i>Geronticus</i>	<i>Geronticus thackerayi</i>	新种	否	South Africa	Plio-Pleistocene	Journal of Vertebrate Paleontology	<i>Geronticus thackerayi</i> , sp. nov. (Aves, Threskiornithidae), a new ibis from the hominin-bearing locality of Kromdraai (Cradle of Humankind, Gauteng, South Africa)
		<i>Gretcheniao</i>	<i>Gretcheniao sinensis</i>	新属种	否	China	Early Cretaceous	PeerJ	New Bohaiornis-like bird from the Early Cretaceous of China: enantiornithine interrelationships and flight performance
		<i>Heracles</i>	<i>Heracles inexpectatus</i>	新属种	否	New Zealand	Early Miocene	Biology Letters	Evidence for a giant parrot from the Early Miocene of New Zealand
		<i>Hypotaenidia</i>	<i>Hypotaenidia vavauensis</i>	新种	否	Tonga	Holocene	Zoological Journal of the Linnean Society	Prehistoric avifaunas from the Kingdom of Tonga
		<i>Kookne</i>	<i>Kookne yeutensis</i>	新属种	否	Argentina	Late Cretaceous	Revista del Museo Argentino de Ciencias Naturales. Nueva Series.	Paleontological discoveries in the Chorrillo Formation (upper Campanian-lower Maastrichtian, Upper Cretaceous), Santa Cruz Province, Patagonia, Argentina
		<i>Kupoupou</i>	<i>Kupoupou stilwelli</i>	新属种	否	New Zealand	Late early-middle Paleocene	Palaeontologia Electronica	Chatham Island Paleocene fossils provide insight into the palaeobiology, evolution, and diversity of early penguins (Aves, Sphenisciformes)
		<i>Laurillardia</i>	<i>Laurillardia smoleni</i>	新种	否	Poland	Early Oligocene	Historical Biology	Skeletons from the early Oligocene of Poland fill a significant temporal gap in the fossil record of upupiform birds (hoopoes and allies)
		<i>Megadyptes</i>	<i>Megadyptes antipodes richdalei</i>	新种	否	New Zealand	Holocene	Molecular Biology and Evolution	Mitogenomes uncover extinct penguin taxa and reveal island formation as a key driver of speciation
		<i>Mengciusornis</i>	<i>Mengciusornis dentatus</i>	新属种	否	China	Early Cretaceous	Journal of Systematic Palaeontology	New toothed Early Cretaceous ornithomorph bird reveals intraclade diversity in pattern of tooth loss

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Archosaur birds		<i>Mirusavis</i>	<i>Mirusavis parvus</i>	新属种	否	China	Early Cretaceous	National Science Review	Evolution and distribution of medullary bone: evidence from a new Early Cretaceous enantiornithine bird
		<i>Naranbulagornis</i>	<i>Naranbulagornis khun</i>	新属种	否	Mongolia	Paleocene	Journal of Vertebrate Paleontology	A swan-sized anseriform bird from the late Paleocene of Mongolia
		<i>Orienantius</i>	<i>Orienantius ritteri</i>	新属种	否	China	Early Cretaceous	Cretaceous Research	Soft tissue preservation in two new enantiornithine specimens (Aves) from the Lower Cretaceous Huajiying Formation of Hebei Province, China
		<i>Proardea</i>	<i>Proardea deschutteri</i>	新种	否	Belgium	Early Oligocene	Ibis	A fossil heron from the early Oligocene of Belgium – the earliest temporally well-constrained record of the Ardeidae
		<i>Protodontopteryx</i>	<i>Protodontopteryx ruthae</i>	新属种	否	New Zealand	Early Paleocene	Papers in Palaeontology	Oldest, smallest and phylogenetically most basal pelagornithid, from the early Paleocene of New Zealand, sheds light on the evolutionary history of the largest flying birds
		<i>Shangyang</i>	<i>Shangyang graciles</i>	新属种	否	China	Early Cretaceous	Journal of Systematic Palaeontology	A new enantiornithine (Aves: Ornithothoraces) with completely fused premaxillae from the Early Cretaceous of China
		<i>Sinoerglornis</i>	<i>Sinoerglornis guangheensis</i>	新属种	否	China	Late Miocene	The Auk.	A new species of Eogruidae (Aves: Gruiformes) from the Miocene of the Linxia Basin, Gansu, China: Evolutionary and climatic implications
		<i>Taphophox</i>	<i>Taphophox hodgei</i>	新属种	否	United States	Hemphillian	Bulletin of the Florida Museum of Natural History.	A new genus and species of heron (Aves: Ardeidae) from the late Miocene of Florida
		<i>Xorazmoryx</i>	<i>Xorazmoryx turkestanensis</i>	新属种	否	Uzbekistan	Eocene	Comptes Rendus Palevol	A small stem-galliform bird (Aves: Paraorythidae) from the Eocene of Uzbekistan
		<i>Zygodactylus</i>	<i>Zygodactylus ochlurus</i>	新种	否	United States	Early Oligocene	BMC Evolutionary Biology	A new zygodactylid species indicates the persistence of stem passerines into the early Oligocene in North America

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Archosaur Non-avian dinosaurs		<i>Adratriklit</i>	<i>Adratriklit Boulalifa</i>	新属种	否	Morocco	Middle Jurassic	Gondwana Research	North Africa's first stegosaur: Implications for Gondwanan thyreophoran dinosaur diversity
		<i>Adynomosaurus</i>	<i>Adynomosaurus arcanus</i>	新属种	否	Spain	Late Cretaceous	Cretaceous Research	<i>Adynomosaurus arcanus</i> , a new lambeosaurine dinosaur from the Late Cretaceous Ibero-Armorican Island of the European Archipelago
		<i>Ambopteryx</i>	<i>Ambopteryx longibrachium</i>	新属种	否	China	Late Jurassic	Nature	A new Jurassic scansoriopterygid and the loss of membranous wings in theropod dinosaurs
		<i>Aquilarhinus</i>	<i>Aquilarhinus palimentus</i>	新属种	否	United States	Late Cretaceous	Journal of Systematic Palaeontology	An unusual 'shovel-billed' dinosaur with trophic specializations from the early Campanian of Trans-Pecos Texas, and the ancestral hadrosaurian crest
		<i>Asfaltovenator</i>	<i>Asfaltovenator vitaladadi</i>	新属种	否	Argentina	Jurassic	Scientific Reports	Probable basal allosauroid from the early Middle Jurassic Cañadón Asfalto Formation of Argentina highlights phylogenetic uncertainty in tetanuran theropod dinosaurs
		<i>Bajadasaurus</i>	<i>Bajadasaurus promuspinae</i>	新属种	否	Argentina	Early Cretaceous	Scientific Reports	A new long-spined dinosaur from Patagonia sheds light on sauropod defense system
		<i>Convolosaurus</i>	<i>Convolosaurus marri</i>	新属种	否	United States	Early Cretaceous	PLOS ONE	A new basal ornithopod (Dinosauria: Ornithischia) from the Early Cretaceous of Texas
		<i>Ferrisaurus</i>	<i>Ferrisaurus sustutensis</i>	新属种	否	Canada	Late Cretaceous	PeerJ	A new leptoceratopsid dinosaur from Maastrichtian-aged deposits of the Sustut Basin, northern British Columbia, Canada
		<i>Fostoria</i>	<i>Fostoria dhimbangunnal</i>	新属种	否	Australia	Cretaceous	Journal of Vertebrate Paleontology	<i>Fostoria dhimbangunnal</i> , gen. et sp. nov., a new iguanodontian (Dinosauria, Ornithopoda) from the mid-Cretaceous of Lightning Ridge, New South Wales, Australia
		<i>Fushanosaurus</i>	<i>Fushanosaurus qitaiensis</i>	新属种	否	China	Late Jurassic	Global Geology	A new titanosauriform dinosaur (Dinosauria: Sauropoda) from Late Jurassic of Junggar Basin, Xinjiang

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Archosaur dinosaurs	Non-avian dinosaurs	<i>Galleonosaurus</i>	<i>Galleonosaurus dorisae</i>	新属种	否	Australia	Early Cretaceous	Journal of Paleontology	New small-bodied ornithopods (Dinosauria, Neornithischia) from the Early Cretaceous Wonthaggi Formation (Strzelecki Group) of the Australian-Antarctic rift system, with revision of <i>Qantassaurus intrepidus</i> Rich and Vickers-Rich, 1999
		<i>Gnathovorax</i>	<i>Gnathovorax cabreirai</i>	新属种	否	Brazil	Late Triassic	PeerJ	<i>Gnathovorax cabreirai</i> : a new early dinosaur and the origin and initial radiation of predatory dinosaurs
		<i>Gobihadros</i>	<i>Gobihadros mongoliensis</i>	新属种	否	Mongolia	Late Cretaceous	PLOS ONE	A new hadrosauroid (Dinosauria: Ornithopoda) from the Late Cretaceous Baynshire Formation of the Gobi Desert (Mongolia)
		<i>Gobiraptor</i>	<i>Gobiraptor minutus</i>	新属种	否	Mongolia	Late Cretaceous	PLOS ONE	A new baby oviraptorid dinosaur (Dinosauria: Theropoda) from the Upper Cretaceous Nemegt Formation of Mongolia
		<i>Hesperornithoides</i>	<i>Hesperornithoides miessleri</i>	新属种	否	United States	Late Jurassic	PeerJ	A new paravian dinosaur from the Late Jurassic of North America supports a late acquisition of avian flight
		<i>Imperobator</i>	<i>Imperobator antarcticus</i>	新属种	否	Antarctica	Late Cretaceous	Cretaceous Research	Phylogeny of a new gigantic paravian (Theropoda; Coelurosauria; Maniraptora) from the Upper Cretaceous of James Ross Island, Antarctica
		<i>Isasicursor</i>	<i>Isasicursor santacrucensis</i>	新属种	否	Argentina	Late Cretaceous	Revista del Museo Argentino de Ciencias Naturales. Nueva Series.	Paleontological discoveries in the Chorrillo Formation (upper Campanian-lower Maastrichtian, Upper Cretaceous), Santa Cruz Province, Patagonia, Argentina
		<i>Itapeuasaurus</i>	<i>Itapeuasaurus cajapiensis</i>	新属种	否	Brazil	Late Cretaceous	Cretaceous Research.	A new rebbachisaurid (Sauropoda: Diplodocoidea) from the middle Cretaceous of northern Brazil
		<i>Jinbeisaurus</i>	<i>Jinbeisaurus wangi</i>	新属种	否	China	Late Cretaceous	Cretaceous Research.	A new tyrannosauroid from the Upper Cretaceous of Shanxi, China

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Archosaur Non-avian dinosaurs		<i>Kaijuititan</i>	<i>Kaijuititan maui</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new giant basal titanosaur sauropod in the Upper Cretaceous (Coniacian) of the Neuquén Basin, Argentina
		<i>Kamupsaurus</i>	<i>Kamupsaurus japonicus</i>	新属种	否	Japan	Late Cretaceous	Scientific Reports.	A new hadrosaurine (Dinosauria: Hadrosauridae) from the marine deposits of the Late Cretaceous Hakobuchi Formation, Yezo Group, Japan
		<i>Laiyangosaurus</i>	<i>Laiyangosaurus youngi</i>	新属种	否	China	Late Cretaceous	Anais da Academia Brasileira de Ciências	A new saurolophine hadrosaurid (Dinosauria: Ornithopoda) from the Upper Cretaceous of Shandong, China
		<i>Lajasvenator</i>	<i>Lajasvenator ascheriae</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	An Early Cretaceous, medium-sized carcharodontosaurid theropod (Dinosauria, Saurischia) from the Mulchenco Formation (upper Valanginian), Neuquén Province, Patagonia, Argentina
		<i>Lingyuanosaurus</i>	<i>Lingyuanosaurus sihedangensis</i> .	新属种	否	China	Early Cretaceous	Scientific Reports	A new transitional therizinosaurian theropod from the Early Cretaceous Jehol Biota of China
		<i>Mahuidacursor</i>	<i>Mahuidacursor lipanglef</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new ornithopod dinosaur from the Santonian of Northern Patagonia (Rincón de los Sauces, Argentina)
		<i>Moros</i>	<i>Moros intrepidus</i>	新属种	否	United States	Late Cretaceous	Communications Biology	Diminutive fleet-footed tyrannosaurid narrows the 70-million-year gap in the North American fossil record
		<i>Mryamawamtuka</i>	<i>Mryamawamtuka moyowamkia</i>	新属种	否	Tanzania	Cretaceous	PLOS ONE	A new African titanosaurian sauropod dinosaur from the middle Cretaceous Galula Formation (Mtuka Member), Rukwa Rift Basin, southwestern Tanzania
		<i>Nemegtomykus</i>	<i>Nemegtomykus citus</i>	新属种	否	Mongolia	Late Cretaceous	Scientific Reports	A new alvarezsaurid dinosaur from the Nemegt Formation of Mongolia

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Archosaur	Non-avian dinosaurs	<i>Ngwevu</i>	<i>Ngwevu intloko</i>	新属种	否	South Africa	Early Jurassic	PeerJ.	Ngwevu intloko: a new early saurpodomorph dinosaur from the Lower Jurassic Elliot Formation of South Africa and comments on cranial ontogeny in Massospondylus carinatus
		<i>Nhandumirim</i>	<i>Nhandumirim waldsangae</i>	新属种	否	Brazil	Late Triassic	Journal of Vertebrate Paleontology.	A new dinosaur with theropod affinities from the Late Triassic Santa Maria Formation, South Brazil
		<i>Notatesseraeraptor</i>	<i>Notatesseraeraptor frickensis</i>	新属种	否	Switzerland	Late Triassic	Nature Ecology & Evolution	A Triassic averostran-line theropod from Switzerland and the early evolution of dinosaurs
		<i>Nullotitan</i>	<i>Nullotitan glaciaris</i>	新属种	否	Argentina	Late Cretaceous	Revista del Museo Argentino de Ciencias Naturales. Nueva Series	Paleontological discoveries in the Chorrillo Formation (upper Campanian-lower Maastrichtian, Upper Cretaceous), Santa Cruz Province, Patagonia, Argentina
		<i>Oceanotitan</i>	<i>Oceanotitan dantasi</i>	新属种	否	Portugal	Late Jurassic	Journal of Vertebrate Paleontology.	A new macronarian sauropod from the Upper Jurassic of Portugal
		<i>Pareisactus</i>	<i>Pareisactus evrostos</i>	新属种	否	Spain	Late Cretaceous	Zootaxa.	<i>Pareisactus evrostos</i> , a new basal iguanodontian (Dinosauria: Ornithopoda) from the Upper Cretaceous of southwestern Europe
		<i>Phuwiangvenator</i>	<i>Phuwiangvenator yaemmyiomi</i>	新属种	否	Thailand	Early Cretaceous	Acta Palaeontologica Polonica.	Two new basal coelurosaurian theropod dinosaurs from the Lower Cretaceous Sao Khua Formation of Thailand
		<i>Pilmatueia</i>	<i>Pilmatueia faundezi</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	A new dicraeosaurid sauropod from the Lower Cretaceous (Mulichinco Formation, Valanginian, Neuquén Basin) of Argentina
		<i>Psittacosaurus</i>	<i>Psittacosaurus amitabha</i>	新种	否	Mongolia	Early Cretaceous	American Museum Novitates	<i>Psittacosaurus amitabha</i> , a new species of ceratopsian dinosaur from the Ondai Sayr locality, central Mongolia
		<i>Sanxiasaurus</i>	<i>Sanxiasaurus modaoxiensis</i>	新属种	否	China	Middle Jurassic	Historical Biology	A neornithischian dinosaur from the Middle Jurassic Xintiangou Formation of Yunyang, Chongqing, China: the earliest record in Asia

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Archosaur dinosaurs	Non-avian dinosaurs	<i>Sektensaurus</i>	<i>Sektensaurus sanjuanboscoi</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research.	A new ornithopod dinosaur (Dinosauria; Ornithischia) from the Late Cretaceous of central Patagonia
		<i>Shishugoumykus</i>	<i>Shishugoumykus inexpectus</i>	新属种	否	China	Middle-Late Jurassic	Scientific Reports	A new alvarezsaurian theropod from the Upper Jurassic Shishugou Formation of western China
		<i>Siamraptor</i>	<i>Siamraptor suwati</i>	新属种	否	Thailand	Early Cretaceous	PLOS ONE.	A new carcharodontosaurian theropod (Dinosauria: Saurischia) from the Lower Cretaceous of Thailand
		<i>Suskityrannus</i>	<i>Suskityrannus hazelae</i>	新属种	否	United States	Late Cretaceous	Nature Ecology & Evolution	A mid-Cretaceous tyrannosaurid and the origin of North American end-Cretaceous dinosaur assemblages
		<i>Tralkasaurus</i>	<i>Tralkasaurus cuyi</i>	新属种	否	Argentina	Late Cretaceous	Journal of South American Earth Sciences.	A new abelisaurid from the Huincul Formation (Cenomanian-Turonian; Upper Cretaceous) of Rio Negro province, Argentina
		<i>Vallibonavenatrix</i>	<i>Vallibonavenatrix cani</i>	新属种	否	Spain	Early Cretaceous	Cretaceous Research	A new spinosaurid theropod (Dinosauria: Megalosauroida) from the late Barremian of Vallibona, Spain: Implications for spinosaurid diversity in the Early Cretaceous of the Iberian Peninsula
		<i>Váyruraptor</i>	<i>Váyruraptor nongbualamphuensis</i>	新属种	否	Thailand	Early Cretaceous	Acta Palaeontologica Polonica	Two new basal coelurosaurian theropod dinosaurs from the Lower Cretaceous Sao Khua Formation of Thailand
		<i>Véspersaurus</i>	<i>Véspersaurus paranaensis</i>	新属种	否	Brazil	Late Cretaceous	Scientific Reports	A new desert-dwelling dinosaur (Theropoda, Noosauridae) from the Cretaceous of south Brazil
		<i>Wamweracaudia</i>	<i>Wamweracaudia keranjei</i>	新属种	否	Tanzania	Late Jurassic	Zoological Journal of the Linnean Society.	Taxonomic affinities of the putative titanosaurs from the Late Jurassic Tendaguru Formation of Tanzania: phylogenetic and biogeographic implications for eusauropod dinosaur evolution

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Archosaur	Non-avian dinosaurs	<i>Xingtianosaurus</i>	<i>Xingtianosaurus ganqi</i>	新属种	否	China	Early Cretaceous	Scientific Reports	A new caudipterid from the Lower Cretaceous of China with information on the evolution of the manus of Oviraptorosauria
		<i>Xunmenglong</i>	<i>Xunmenglong yinliangis</i>	新属种	否	China	Early Cretaceous	Cretaceous Research.	A new compsognathid theropod dinosaur from the oldest assemblage of the Jehol Biota in the Lower Cretaceous Huajiyang Formation, northeastern China
		<i>Yamanasaurus</i>	<i>Yamanasaurus lojaensis</i>	新属种	否	Ecuador	Late Cretaceous	Cretaceous Research.	The first dinosaur remains from the Cretaceous of Ecuador
Synapsids	Primates	<i>Alophe</i>	<i>Alophe metios</i>	新属种	是	Kenya	Early Miocene	Proceedings of the National Academy of Sciences of the United States of America	Primitive Old World monkey from the earliest Miocene of Kenya and the evolution of cercopithecoid bilophodonty; 260. Correction for Rasmussen et al., Primitive Old World monkey from the earliest Miocene of Kenya and the evolution of cercopithecoid bilophodonty
		<i>Anthradaptis</i>	<i>Anthradaptis vietnamensis</i>	新属种	否	Vietnam	Eocene	Scientific Reports	A new primate from the late Eocene of Vietnam illuminates unexpected strepsirrhine diversity and evolution in Southeast Asia
		<i>Aseanpithecus</i>	<i>Aseanpithecus myanmarensis</i>	新属种	否	Myanmar	Eocene	Nature Communications.	New Eocene primate from Myanmar shares dental characters with African Eocene crown anthropoids
		<i>Bownomomys</i>	<i>Bownomomys</i>	新属	否	United States	Eocene	Journal of Human Evolution	New fossils, systematics, and biogeography of the oldest known crown primate Teilhardina from the earliest Eocene of Asia, Europe, and North America
		<i>Cercopithecoides</i>	<i>Cercopithecoides bruneti</i>	新种	否	Chad	Late Miocene	Journal of Human Evolution	A window into the early evolutionary history of Cercopithecoidea: Late Miocene evidence from Chad, Central Africa
		<i>Danuvius</i>	<i>Danuvius guggenmosi</i>	新属种	否	Germany	Miocene	Nature	A new Miocene ape and locomotion in the ancestor of great apes and humans

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Synapsids	Primates	<i>Homo</i>	<i>Homo luzonensis</i>	新种	否	Philippines	Late Pleistocene	Nature	A new species of Homo from the Late Pleistocene of the Philippines	
		<i>Homunculus</i>	<i>Homunculus vizecainoi</i>	新种	否	Argentina	Miocene	Publicación Electrónica de la Asociación Paleontológica Argentina	New primates from the Río Santa Cruz and Río Bote (Early–Middle Miocene), Santa Cruz Province, Argentina	
		<i>Nanopithecus</i>	<i>Nanopithecus browni</i>	新属种	否	Kenya	Pliocene	Journal of Human Evolution	A diminutive Pliocene guenon from Kanapoi, West Turkana, Kenya	
		<i>Parvimico</i>	<i>Parvimico materdei</i>	新属种	否	Peru	Early Miocene	Journal of Human Evolution	Parvimico materdei gen. et sp. nov.: A new platyrrhine from the Early Miocene of the Amazon Basin, Peru	
		<i>Apeirodon</i>	<i>Apeirodon sorianoi</i>	新属种	否	Argentina	Eocene	Journal of Mammalian Evolution	New small bunodont metatherian from the Late Eocene of the Argentinean Puna	
	Metatherians		<i>Chaeropus</i>	<i>Chaeropus yirratji</i>	新种	否	Australia	Holocene	Zootaxa	Hidden in plain sight: reassessment of the pig-footed bandicoot, <i>Chaeropus ecaudatus</i> (Perameleomorpha, Chaeropodidae), with a description of a new species from central australia, and use of the fossil record to trace its past distribution
			<i>Patene</i>	<i>Patene coloradensis</i>	新种	否	Argentina	Middle Eocene	Ameghiniana	Diversity, affinities and adaptations of the South American basal sparassodont <i>Patene</i> Simpson, 1935 (Mammalia, Metatheria)
			<i>Unnuakomys</i>	<i>Unnuakomys hutchisoni</i>	新属种	否	United States	Late Cretaceous	Journal of Systematic Palaeontology	Northernmost record of the Metatheria: a new Late Cretaceous pediaomyid from the North Slope of Alaska
			<i>Archaeomyiodon</i>	<i>Archaeomyiodon sampeadrinensis</i>	新属种	否	Argentina	Ensenadan	Journal of Vertebrate Paleontology	<i>Archaeomyiodon sampeadrinensis</i> , gen. et sp. nov., a new mylodontine from the middle Pleistocene of Pampean Region, Argentina
			<i>Glossotherium</i>	<i>Glossotherium phoenesis</i>	新种	否	Brazil	Pleistocene	Journal of Systematic Palaeontology	Anatomy, possible sexual dimorphism, and phylogenetic affinities of a new mylodontine sloth from the late Pleistocene of intertropical Brazil

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Synapsids	Xenarthrans (Eutherians 更 换)	<i>Holmesina</i>	<i>Holmesina cryptae</i>	新种	否	Brazil	Pleistocene	Zootaxa	A new and most complete pampathere (Mammalia, Xenarthra, Cingulata) from the Quaternary of Bahia, Brazil
		<i>Blancotherium</i>	<i>Blancotherium buckneri</i>	新属	否	United States	Early Clarendonian	Palaeontologia Electronica	The Lapara Creek Fauna: Early Clarendonian of south Texas, USA
	<i>Culebratherium</i>	<i>Culebratherium alemanni</i>	新属种	否	Panama	Early Miocene	Journal of Vertebrate Paleontology	Communications of the Geological Survey of Namibia	An early Miocene dugongine (Sirenia: Dugongidae) from Panama
	<i>Damarachloris</i>	<i>Damarachloris primaevus</i>	新属种	否	Namibia	Middle Eocene	PeerJ	Geologie und Paläontologie	New Chrysochloridae (Mammalia) from the middle Eocene of Black Crow, Namibia
	<i>Eteketoni</i>	<i>Eteketoni platycephalus</i>	新属种	否	Uganda	Early Miocene	PeerJ	Geologie und Paläontologie	Orycteropodidae (Tubulidentata, Mammalia) from the Early Miocene of Napak, Uganda
	<i>Mammut</i>	<i>Mammut pacificus</i>	新种	否	United States	Pleistocene	PeerJ	PeerJ	<i>Mammut pacificus</i> sp. nov., a newly recognized species of mastodon from the Pleistocene of western North America
	<i>Nanogale</i>	<i>Nanogale fragilis</i>	新属种	否	Namibia	Middle Eocene	Communications of the Geological Survey of Namibia	Communications of the Geological Survey of Namibia	Tiny Tenrecomorpha (Mammalia) from the Eocene of Black Crow, Namibia
	<i>Norosiren</i>	<i>Norosiren zazavavindrano</i>	新属种	否	Madagascar	Miocene	Journal of Vertebrate Paleontology	Journal of Vertebrate Paleontology	New Miocene sirenians from Nosy Makamby, northwestern Madagascar
	<i>Saloumia</i>	<i>Saloumia gorodiskii</i>	新属种	否	Senegal	Eocene	Journal of Paleontology	Journal of Paleontology	Filling a gap in the proboscidean fossil record: a new genus from the Lutetian of Senegal
	<i>Stegosiren</i>	<i>Stegosiren macei</i>	新属种	否	United States	Oligocene	Palaeontology	Palaeontology	Quantifying the completeness of the bat fossil record
	<i>Barbastella</i>	<i>Barbastella maxima</i>	新种	否	Ukraine	Late Miocene	Palaeovertebrata	Palaeovertebrata	New Late Miocene plecotine bats (Chiroptera, Vespertilionidae: Plecotini) from Gritsev, Ukraine
	<i>Koopmanyciteris</i>	<i>Koopmanyciteris palaeomormoops</i>	新属种	否	United States	Oligocene	Bulletin of the American Museum of Natural History	Bulletin of the American Museum of Natural History	A new mormoopid bat from the Oligocene (Whitneyan and early Arikarean) of Florida, and phylogenetic relationships of the major clades of Mormoopidae (Mammalia, Chiroptera)

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Synapsids	Bats	<i>Myotis</i>	<i>Myotis gerhardstorchi</i>	新种	否	Hungary	Early Pliocene	Fossil Imprint	Myotis gerhardstorchi sp. n. and comments on the European fossil record of Myotis frater group (Mammalia, Chiroptera)
		<i>Quinetia</i>	<i>Quinetia frigidaria</i>	新种	否	United States	Whitneyan Brule	Palaeovertebrata	A new species of bat (Chiroptera: Vespertilionidae) from the early Oligocene global cooling period, Brule Formation, North Dakota, USA
		<i>Hemihegetherium</i>	<i>Hemihegetherium tantillum</i>	新种	否	Argentina	Miocene	Journal of South American Earth Sciences	A new species and the record of Hemihegetherium (Notoungulata, Hegetotheriidae) in the middle to Late Miocene of Patagonia, Argentina
		<i>Orome</i>	<i>Orome deepi</i>	新属种	否	Argentina	Eocene	Acta Palaeontologica Polonica	Early steps in the radiation of notoungulate mammals in southern South America: A new henricosbornioid from the Eocene of Patagonia
		<i>Protyopotherium</i>	<i>Protyopotherium conceptionensis</i>	新种	否	Chile	Miocene	Journal of South American Earth Sciences	The Early to late Middle Miocene mammalian assemblages from the Cura-Mallin Formation, at Lonquimay, southern Central Andes, Chile (~38°S): Biogeographical and paleoenvironmental implications
		<i>Ceratotherium</i>	<i>Ceratotherium" advententis</i>	新种	否	Italy	Late Miocene	Historical Biology	A new rhinocerotid (Mammalia, Rhinocerotidae) from the latest Miocene of Southern Italy
		<i>Chowliia</i>	<i>Chowliia europea</i>	新种	否	France	Early Eocene	Journal of Vertebrate Paleontology	First European 'Isectolophidae' (Mammalia, Perissodactyla): <i>Chowliia europea</i> , sp. nov., from the lower Eocene of Le Quesnoy, France
		<i>Irenolophus</i>	<i>Irenolophus qii</i>	新属种	否	China	Eocene	PLOS ONE	A new early Eocene deperetellid tapiroid illuminates the origin of Deperetellidae and the pattern of premolar molarization in Perissodactyla

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Synapsids	Odd-toed ungulates	<i>Pachynolophus</i>	<i>Pachynolophus ruscassierensis</i>	新种	否	France	Eocene	Geodiversitas	The Palaeotheriidae (Equoidea, Perissodactyla, Mammalia) from the Eocene fauna of Aumelas (Hérault department, France)	
		<i>Plesiaceratherium</i>	<i>Plesiaceratherium balkanicum</i>	新种	否	Bosnia	Miocene	Palaeobiodiversity and Palaeoenvironments	Rhinocerotidae from the early middle Miocene locality Gračanica (Bugojno Basin, Bosnia-Herzegovina)	
	<i>Teleoceras</i>	<i>Teleoceras aepysona</i>	新种	否	United States	Late Hemphillian	Bulletin of the Florida Museum of Natural History	A new species of Teleoceras (Mammalia, Rhinocerotidae) from the late Hemphillian of Tennessee		
	<i>Cervus</i>	<i>Cervus canadensis combrayicus</i>	新种	否	France	“Late Pleistocene”	Palaeoworld	A new form of wapiti <i>Cervus canadensis</i> Erxleben, 1777 (Cervidae, Mammalia) from the Late Pleistocene of France		
	<i>Decennatherium</i>	<i>Decennatherium asiaticum</i>	新种	否	Pakistan	“Late Miocene”	Geobios	First identification of <i>Decennatherium</i> Crusafont, 1952 (Mammalia, Ruminantia, Pecora) in the Siwaliks of Pakistan		
	<i>Dorcatherium</i>	<i>Dorcatherium dehmi</i>	新种	否	Pakistan	Late Miocene	Historical Biology	Miocene chevrotains (Mammalia, Artiodactyla, Tragulidae) from Pakistan		
	Even-toed ungulates	<i>Elaphurus</i>	<i>Elaphurus davidianus pre-davidianus</i>	新种	否	China	Early Pleistocene	Quaternary International	New material of the Early Pleistocene <i>Elaphurus</i> (Artiodactyla, Mammalia) from North China and discussion on taxonomy of <i>Elaphurus</i>	
		<i>Hispanomeryx</i>	<i>Hispanomeryx lacetanus</i>	新种	是	Spain	Miocene	Journal of Vertebrate Paleontology	New <i>Hispanomeryx</i> (Mammalia, Ruminantia, Moschidae) from Spain and a reassessment of the systematics and paleobiology of the genus <i>Hispanomeryx</i> Morales, Moya-Solà, and Soria, 1981	
			<i>Kubanochoerus</i>	<i>Kubanochoerus parvus</i>	新种	否	China	Latest Middle or earliest Late Miocene	Vertebrata Palasiatica	A new species of <i>Kubanochoerus</i> (Suidae, Artiodactyla) from the Linxia Basin, Gansu Province, China

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Synapsids		<i>Kubwachoerus</i>	<i>Kubwachoerus marymunguae</i>	新属种	是	Kenya	Miocene	Geologie und Paläontologie	Revision of African Kubanochoerinae (Suidae: Mammalia) with descriptions of new fossils from the Middle Miocene Aka Aitepuh Formation, Nachola, Kenya
		<i>Megaloceros</i>	<i>Megaloceros matritensis</i>	新种	否	Spain	Middle Pleistocene	Quaternary International	The dwarfed "giant deer" <i>Megaloceros matritensis</i> n. sp. from the Middle Pleistocene of Madrid - A descendant of <i>M. savini</i> and contemporary to <i>M. giganteus</i>
	Even-toed ungulates	<i>Palaeochoerus</i>	<i>Palaeochoerus australis</i>	新种	是	Namibia	Miocene	Geologie und Paläontologie	Revision of African Kubanochoerinae (Suidae: Mammalia) with descriptions of new fossils from the Middle Miocene Aka Aitepuh Formation, Nachola, Kenya
		<i>Palaeorvix</i>	<i>Palaeorvix minor</i>	新种	否	Greece	Late Miocene	Geobios	The late Miocene bovids from Platania (Drama Basin, Greece), with description of a new species of <i>Palaeorvix</i>
		<i>Qurlignoria</i>	<i>Qurlignoria chorakensis</i>	新种	否	Turkey	Late Miocene	Palaeoworld	<i>Qurlignoria</i> (Bovidae, Mammalia) from the Upper Miocene of Çorakyerler (Central Anatolia, Turkey) and its biogeographic implications
		<i>Aegicetus</i>	<i>Aegicetus gehemnae</i>	新属种	否	Egypt	Eocene	PLOS ONE	<i>Aegicetus gehemnae</i> , a new late Eocene protocetid (Cetacea, Archaeoceti) from Wadi Al Hitani, Egypt, and the transition to tail-powered swimming in whales
	Cetaceans	<i>Borealodon</i>	<i>Borealodon osedax</i>	新属种	否	United States	Oligocene	Royal Society Open Science	<i>Borealodon osedax</i> , a new stem mysticete (Mammalia, Cetacea) from the Oligocene of Washington State and its implications for fossil whale-fall communities
		<i>Casatia</i>	<i>Casatia thermophila</i>	新属种	否	Italy	Early Pliocene	Journal of Vertebrate Paleontology	A new Monodontidae (Cetacea, Delphinoidea) from the lower Pliocene of Italy supports a warm-water origin for narwhals and white whales

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		<i>Kentriodon</i>	<i>Kentriodon nakajimai</i>	新种	否	Japan	Miocene	Journal of Vertebrate Paleontology	A new species of Kentriodon (Cetacea, Odontoceti, Kentriodontidae) from the Miocene of Japan
		<i>Miobalaenoptera</i>	<i>Miobalaenoptera numataensis</i>	新属种	否	Japan	Late Miocene	Journal of Systematic Palaeontology	An early and new member of Balaenopteridae from the upper Miocene of Hokkaido, Japan
		<i>Nehalaennia</i>	<i>Nehalaennia devossi</i>	新属种	否	Netherlands	Miocene	PeerJ.	A new balaenopterid whale from the late Miocene of the Southern North Sea Basin and the evolution of balaenopterid diversity (Cetacea, Mysticeti)
		<i>Niparajacetus</i>	<i>Niparajacetus palmadentis</i>	新属种	否	Mexico	Oligocene	Journal of South American Earth Sciences	Description of a new toothed mysticete from the Late Oligocene of San Juan de La Costa, B.C.S., México
Synapsids	Cetaceans	<i>Norrisanima</i>	<i>Norrisanima miocaena</i>	新属	是	United States	Miocene	PeerJ.	Norrisanima miocaena, a new generic name and redescription of a stem balaenopteroid mysticete (Mammalia, Cetacea) from the Miocene of California
		<i>Peregocetus</i>	<i>Peregocetus pacificus</i>	新属种	否	Peru	Eocene	Current Biology	An amphibious whale from the Middle Eocene of Peru reveals early South Pacific dispersal of quadrupedal cetaceans
		<i>Pliokogia</i>	<i>Pliokogia apenninica</i>	新属种	否	Italy	Pliocene	Acta Palaeontologica Polonica	A new kogrid sperm whale from northern Italy supports psychrospheric conditions in the early Pliocene Mediterranean Sea
		<i>Tranatocetus</i>	<i>Tranatocetus maregermanicum</i>	新种	否	Netherlands	Late Miocene	PeerJ	A large Late Miocene cetotheriid (Cetacea, Mysticeti) from the Netherlands clarifies the status of <i>Tranatocetidae</i>
		<i>Tupelocetus</i>	<i>Tupelocetus palmeri</i>	新属种	否	United States	Eocene	Journal of Vertebrate Paleontology	<i>Tupelocetus palmeri</i> , a new species of protocetid whale (Mammalia, Cetacea) from the middle Eocene of South Carolina

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Synapsids	Carnivorans	<i>Hoplictis</i>	<i>Hoplictis bathu</i>	新种	否	China	Middle Miocene	Acta Geologica Sinica (English Edition)	First record of Hoplictis (Carnivora, Mustelidae) in East Asia from the Halamagai and Kekemaideng formations, Ulungur River area, Xinjiang, northwest China
		<i>Izmirictis</i>	<i>Izmirictis cani</i>	新属种	否	Turkey	Early Miocene	Journal of Systematic Palaeontology	A new lophocyonid, <i>Izmirictis cani</i> gen. et sp. nov. (Carnivora: Mammalia), from the lower Miocene of Turkey
		<i>Larteticis</i>	<i>Larteticis pasalarensis</i>	新种	否	Turkey	Middle Miocene	Historical Biology	First record of <i>Larteticis</i> (Carnivora, Mustelidae, Lutrinae) in Turkey from the middle Miocene hominoid locality of Paşala
		<i>Leptofelis</i>	<i>Leptofelis vallesiensis</i>	新属	否	Spain	Late Miocene	Journal of Mammalian Evolution	Functional and systematic implications of the postcranial anatomy of a late Miocene feline (Carnivora, Felidae) from Batallones-1 (Madrid, Spain)
		<i>Myacyon</i>	<i>Myacyon peignei</i>	新种	否	Kenya	Miocene	Geodiversitas	Middle Miocene Carnivora and Hyaenodonta from Fort Terman, western Kenya
		<i>Peignecyon</i>	<i>Peignecyon felinoides</i>	新属种	否	Czech Republic	Early Miocene	Fossil Imprint	A new Thaumastocyoninae (Amphicyonidae, Carnivora) from the early Miocene of Turoňovice, the Czech Republic
		<i>Peignictis</i>	<i>Peignictis pseudamphictis</i>	新属种	否	France	Early Oligocene	Geodiversitas	Carnivora from the early Oligocene of the 'Phosphorites du Quercy' in southwestern France
		<i>Trochictis</i>	<i>Trochictis peignei</i>	新种	是	Germany	Miocene	Historical Biology	First record of the mustelid <i>Trochictis</i> (Carnivora, Mammalia) from the early Late Miocene (MN 9/10) of Germany and a re-appraisal of the genus <i>Trochictis</i>
		<i>Wangictis</i>		新属	否	China	Early Oligocene	Geodiversitas	Carnivora from the early Oligocene of the 'Phosphorites du Quercy' in southwestern France
		<i>Altasciurus</i>	<i>Altasciurus leonardi</i>	新种	否	United States	Oligocene	Smithsonian Contributions to Paleobiology	Rodents (Mammalia) from Fitterer Ranch, Brule Formation (Oligocene), North Dakota

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Synapsids Rodents		<i>Aplodontia</i>	<i>Aplodontia minor</i>	新种	否	United States	Late Hemphillian	Journal of Vertebrate Paleontology	Phylogeny, systematics, and evolution of hypsodonty in the Aplodontiinae (Mammalia, Rodentia, Aplodontiidae), with the description of several new species
		<i>Borsodia</i>	<i>Borsodia prechinensis</i>	新种	否	China	Late Pliocene–Early Pleistocene	Vertebrata Palasiatica	Five new species of Arvicolinae and Myospalacinae from the Late Pliocene-Early Pleistocene of Nihewan Basin
		<i>Capromys</i>	<i>Capromys pilorides</i>	新种	否	Cayman Islands	Late Pleistocene-Holocene	Bulletin of the American Museum of Natural History	Late Quaternary fossil mammals from the Cayman Islands, West Indies
		<i>Cardiatherium</i>	<i>Cardiatherium calingastaense</i>	新种	否	Argentina	Late Miocene	Acta Palaeontologica Polonica	A new capybara from the late Miocene of San Juan Province, Argentina, and its phylogenetic implications
		<i>Cricetodon</i>	<i>Cricetodon venezeli</i>	新种	否	Romania	Miocene	Palaeobiodiversity and Palaeoenvironments	Two new early Sarmatian s. str. (latest middle Miocene) rodent faunas from the Carpathian Basin
		<i>Deperetomys</i>	<i>Deperetomys calefactus</i>	新种	否	Bosnia	Late Oligocene	Palaeobiodiversity and Palaeoenvironments	Deperetomys (Rodentia, Muridae) from the Oligocene of Serbia and Bosnia and Herzegovina
		<i>Deperetomys</i>	<i>Deperetomys saltensis</i>	新种	否	Serbia	Late Oligocene	Palaeobiodiversity and Palaeoenvironments	Deperetomys (Rodentia, Muridae) from the Oligocene of Serbia and Bosnia and Herzegovina
		<i>Eumys</i>	<i>Eumys lammeri</i>	新种	否	United States	Oligocene	Smithsonian Contributions to Paleobiology	Rodents (Mammalia) from Fitterer Ranch, Brule Formation (Oligocene), North Dakota
		<i>Geocapromys</i>	<i>Geocapromys caymanensis</i>	新种	否	Cayman Islands	Late Pleistocene-Holocene	Bulletin of the American Museum of Natural History	Late Quaternary fossil mammals from the Cayman Islands, West Indies
		<i>Gobiocylindrodon</i>	<i>Gobiocylindrodon ulausuensis</i>	新属种	否	China	Eocene	Journal of Vertebrate Paleontology	A new Eocene cylindrodontid rodent from the Erlian Basin (Nei Mongol, China) and its implications for phylogeny and biochronology
		<i>Heliscomys</i>	<i>Heliscomys borealis</i>	新种	否	United States	Oligocene	Smithsonian Contributions to Paleobiology	Rodents (Mammalia) from Fitterer Ranch, Brule Formation (Oligocene), North Dakota
		<i>Heterocricetodon</i>	<i>Heterocricetodon serbicus</i>	新种	否	Serbia	Oligocene	Palaeobiodiversity and Palaeoenvironments	Pseudocricetodontinae (Mammalia, Rodentia) from the Paleogene of south-east Serbia

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		<i>Japaneomys</i>	<i>Japaneomys yasunoi</i>	新属种	否	Japan	Early Miocene	Acta Palaeontologica Polonica	A new endemic genus of eomyid rodents from the early Miocene of Japan
		<i>Liodontia</i>	<i>Liodontia bathypotamos</i>	新种	否	United States	Late Hemingfordian	Journal of Vertebrate Paleontology	Phylogeny, systematics, and evolution of hypsodonty in the Aplodontiinae (Mammalia, Rodentia, Aplodontiidae), with the description of several new species
		<i>Liodontia</i>	<i>Liodontia dailyi</i>	新种	否	United States	Late Hemingfordian	Journal of Vertebrate Paleontology	Phylogeny, systematics, and evolution of hypsodonty in the Aplodontiinae (Mammalia, Rodentia, Aplodontiidae), with the description of several new species
		<i>Maquiamys</i>		新属	否	Peru	Late Oligocene	Geodiversitas	New insight from the Paleogene record of Amazonia into the early diversification of Caviomorpha (Hystricognathi, Rodentia): phylogenetic, macroevolutionary, and paleobiogeographic implications
Synapsids	Rodents	<i>Metanoiarnys</i>	<i>Metanoiarnys woodi</i>	新种	否	United States	Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the early Oligocene (Orellian) Cook Ranch local fauna of southwestern Montana
		<i>Mimomys</i>	<i>Mimomys nihewanensis</i>	新种	否	China	Late Pliocene	Vertebrata Palasiatica	Five new species of Arvicolinae and Myospalacinae from the Late Pliocene-Early Pleistocene of Nihewan Basin
		<i>Monomys</i>	<i>Monomys simonisi</i>	新属	是	Egypt	Oligocene	Zoological Journal of the Linnean Society	Revision of Oligocene "Paraphiomys" and an origin for crown Thyronomyoidea (Rodentia: Hystricognathi: Phiomorpha) near the Oligocene-Miocene boundary in Africa
		<i>Natrona</i>	<i>Natrona natronensis</i>	新属种	否	United States	Unionan and Duchesnean	Annals of Carnegie Museum	Paleontology and geology of the Badwater Creek Area, central Wyoming. Part 21. Natrona, a new genus of rodent, family Sciuravidae (Mammalia)
		<i>Paradjidaumo</i>	<i>Paradjidaumo obritschorum</i>	新种	否	United States	Oligocene	Annals of Carnegie Museum	Whitneyan (middle Oligocene) rodents from Obritsch Ranch (Stark County, North Dakota) and a review of Whitneyan rodent fossil record

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Synapsids Rodents		<i>Paraethomys</i>	<i>Paraethomys balearicus</i>	新种	否	Spain	Pliocene	Geological Magazine	First evidence of endemic Murinae (Rodentia, Mammalia) in the early Pliocene of the Balearic Islands (western Mediterranean)
		<i>Petaurista</i>	<i>Petaurista tetyukhensis</i>	新种	否	Russia	Late Pleistocene	Palaeoworld	The first fossil Petaurista (Mammalia: Sciuridae) from the Russian Far East and its paleogeographic significance
		<i>Pitymys</i>	<i>Pitymys simplicidens</i>	新种	否	China	Early Pleistocene	Vertebrata PalAsiatica	Five new species of Arvicolinae and Myospalacinae from the Late Pliocene-Early Pleistocene of Nihewan Basin
		<i>Pliosiphneus</i>	<i>Pliosiphneus daodiensis</i>	新种	否	China	Late Pliocene	Vertebrata PalAsiatica	Five new species of Arvicolinae and Myospalacinae from the Late Pliocene-Early Pleistocene of Nihewan Basin
		<i>Pliosiphneus</i>	<i>Pliosiphneus puluensis</i>	新种	否	China	Late Pliocene	Vertebrata PalAsiatica	Five new species of Arvicolinae and Myospalacinae from the Late Pliocene-Early Pleistocene of Nihewan Basin
		<i>Proclinodontomys</i>	<i>Proclinodontomys dondasi</i>	新属种	否	Brazil	Early-Middle Pleistocene and early Holocene	Journal of Paleontology	A new echimyid genus (Rodentia, Caviomorpha) in Central Argentina: uncovered diversity of a Brazilian group of mammals in the Pleistocene
		<i>Progonomys</i>	<i>Progonomys manolo</i>	新种	否	Lebanon	Late Miocene	Scientific Reports	First levantine fossil murines shed new light on the earliest intercontinental dispersal of mice
		<i>Prosciurus</i>	<i>Prosciurus hogansoni</i>	新种	否	United States	Oligocene	Smithsonian Contributions to Paleobiology	Rodents (Mammalia) from Fitterer Ranch, Brule Formation (Oligocene), North Dakota
		<i>Prosigmodon</i>	<i>Prosigmodon tecolotum</i>	新种	否	Mexico	Early Pliocene	Revista Mexicana de Ciencias Geológicas	A new species of Sigmodontinae (Rodentia) from the late Hemphillian of central Mexico, and comments on the possible radiation of this group
		<i>Protorepomys</i>	<i>Protorepomys bartlettensis</i>	新属种	否	United States	Hemphillian	Journal of Mammalogy	On the ancestry of woodrats
		<i>Pseudocricetodon</i>	<i>Pseudocricetodon heissigi</i>	新种	否	Serbia	Oligocene	Palaeobiodiversity and Palaeoenvironments	Pseudocricetodontinae (Mammalia, Rodentia) from the Paleogene of south-east Serbia

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Synapsids	Rodents	<i>Saremmys</i>	<i>Saremmys ligcura</i>	新属种	否	Argentina	Miocene	Comptes Rendus Palevol	A new chinchilloid (Rodentia, Hystricognathi) from the early Miocene of the localities of Bryn Gwyn and Gran Barranca (Patagonia, Argentina)
		<i>Spermophilus</i>	<i>Spermophilus kumkolensis</i>	新种	否	China	Middle Miocene	Science China Earth Sciences	Latest Middle Miocene fauna and flora from Kumkol Basin of northern Qinghai-Xizang Plateau and paleoenvironment
		<i>Spermophilus</i>	<i>Spermophilus praecox</i>	新种	否	Ukraine	Late Pliocene and Early Pleistocene	Acta Palaeontologica Polonica	The evolution of early Spermophilus in eastern Europe and the antiquity of the Old World ground squirrels
		<i>Tsaphanomys</i>	<i>Tsaphanomys shorwelli</i>	新属	否	United States	Hemphillian	Journal of Mammalogy	On the ancestry of woodrats
		<i>Typhlomys</i>	<i>Typhlomys storchi</i>	新种	否	China	Late Miocene	Fossil Imprint	Platacanthomyids (Rodentia, Mammalia) from the late Miocene Yuanmou hominoid locality of Yunnan, China
		<i>Wilsonomys</i>	<i>Wilsonomys focarius</i>	新种	否	United States	Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the early Oligocene (Orellan) Cook Ranch local fauna of southwestern Montana
		<i>Astrapotherium</i>	<i>Astrapotherium guillei</i>	新种	否	Argentina	Middle Miocene	Ameghiniana	Astrapotherium from the Middle Miocene Collón Cura Formation and the decline of astrapotheres in southern South America
		<i>Cartierodon</i>	<i>Cartierodon egerkingensis</i>	新属种	否	France	Eocene	Acta Palaeontologica Polonica	A large hyaenodont from the Lutetian of Switzerland expands the body mass range of the European mammalian predators during the Eocene
		<i>Enantiostylops</i>	<i>Enantiostylops progressus</i>	新属	是	China	Early Eocene	Journal of Paleontology	Reappraisal of arctostylopid mammal Kazachostylops occidentalis from the late Paleocene of Kazakhstan and phylogenetic relationships within Arctostylopidia
		<i>Fratrodon</i>	<i>Fratrodon tresvauxi</i>	新属种	否	France	Eocene	Journal of Systematic Palaeontology	New paroxyclaenid mammals from the early Eocene of the Paris Basin (France) shed light on the origin and evolution of these endemic European cimolestans

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		<i>Hyaenodon</i>	<i>Hyaenodon pumilus</i>	新种	否	Mongolia	Late Eocene	Paleontological Journal	New material on small hyenodonts (Hyaenodontinae, Creodonta) from the Paleogene of Mongolia
		<i>Lophocion</i>	<i>Lophocion grangeri</i>	新种	否	United States	Late Paleocene	Historical Biology	A new late Paleocene phenacodontid 'condylarth' Lophocion from the Clark's Fork Basin of Wyoming
		<i>Merialtus</i>	<i>Merialtus bruneti</i>	新种	否	France	Eocene	Journal of Systematic Palaeontology	New paroxyclaenid mammals from the early Eocene of the Paris Basin (France) shed light on the origin and evolution of these endemic European cimolestans
		<i>Nesophontes</i>	<i>Nesophontes hemicingulus</i>	新种	否	Cayman Islands	Late Pleistocene-Holocene	Bulletin of the American Museum of Natural History	Late Quaternary fossil mammals from the Cayman Islands, West Indies
		<i>Oligoechinus</i>	<i>Oligoechinus lanzhouensis</i>	新属种	否	China	Late Oligocene	Acta Geologica Sinica (English Edition)	A new fossil Erinaceidae from the Shajingyi area in the Lanzhou Basin, China
Synapsids	Other eutherians	<i>Pahelia</i>	<i>Pahelia mysteriosa</i>	新属种	否	India	Early Eocene	Papers in Palaeontology	An enigmatic new ungulate-like mammal from the early Eocene of India
		<i>Paraspaniella</i>	<i>Paraspaniella gummelli</i>	新属种	否	France	Eocene	Journal of Systematic Palaeontology	New paroxyclaenid mammals from the early Eocene of the Paris Basin (France) shed light on the origin and evolution of these endemic European cimolestans
		<i>Propterodon</i>	<i>Propterodon witteri</i>	新种	否	United States	late Uintan	PeerJ	The first North American Propterodon (Hyaenodonta: Hyaenodontidae), a new species from the late Uintan of Utah
		<i>Saltaodus</i>	<i>Saltaodus sirolli</i>	新属种	否	Argentina	Eocene	Ameghiniana	An Eocene bunodont South American native ungulate (Didolodontidae) from the Lumbra Formation, Salta Province, Argentina
		<i>Simbakubwa</i>	<i>Simbakubwa kutokaafrika</i>	新属种	否	Kenya	Early Miocene	Journal of Vertebrate Paleontology	<i>Simbakubwa kutokaafrika</i> , gen. et sp. nov. (Hyainailourinae, Hyaenodonta, 'Creodonta,' Mammalia), a gigantic carnivore from the earliest Miocene of Kenya

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Synapsids	Other eutherians	<i>Sororodon</i>	<i>Sororodon tresvaxae</i>	新属种	否	France	Eocene	Journal of Systematic Palaeontology	New paroxyclaenid mammals from the early Eocene of the Paris Basin (France) shed light on the origin and evolution of these endemic European cimolestans	
		<i>Uruguayodon</i>	<i>Uruguayodon alius</i>	新属种	否	Uruguay	Pleistocene	Journal of Vertebrate Paleontology	A new genus of Protheroherinae (Mammalia, Litopterna) from the Pleistocene of Uruguay	
	<i>Cimbriondon</i>	<i>Cimbriondon multituberculatus</i>	新属种	否	Germany	Late Jurassic		Historical Biology	Late Jurassic multituberculate mammals from Langenberg Quarry (Lower Saxony, Germany) and palaeobiogeography of European Jurassic multituberculates	
	<i>Cimolodon</i>	<i>Cimolodon akersteni</i>	新种	否	United States	Late Cretaceous		Journal of Vertebrate Paleontology	New multituberculate mammals from the mid-Cretaceous (lower Cenomanian) Wayan Formation of southeastern Idaho and implications for the early evolution of Cimolodonta	
	<i>Dolichoprion</i>	<i>Dolichoprion lii</i>	新属种	否	China	Early Cretaceous		Journal of Mammalian Evolution	A new cobaatarid multituberculate (Mammalia) from the Lower Cretaceous Fuxin Formation, Fuxin-Jinzhou Basin, Liaoning, northeastern China	
	Other mammals	<i>Fuxinoconodon</i>	<i>Fuxinoconodon changi</i>	新属种	否	China	Early Cretaceous		Vertebrata Palasiatica	New gobiconodontid (Eutriconodonta, Mammalia) from the Lower Cretaceous Shahai and Fuxin formations, Liaoning, China
		<i>Galulatherium</i>	<i>Galulatherium jenkinsi</i>	新属种	否	Tanzania	Late Cretaceous		Acta Palaeontologica Polonica	A new mammal from the Turonian-Campanian (Upper Cretaceous) Galula Formation, southwestern Tanzania
		<i>Jeholbaatar</i>	<i>Jeholbaatar castellanus</i>	新属种	否	China	Late Cretaceous		Annals of Carnegie Museum	New genus and species of djadochtheriid multituberculate (Allotheria, Mammalia) from the Upper Cretaceous Bayan Mandahu Formation of Inner Mongolia
		<i>Jeholbaatar</i>	<i>Jeholbaatar kielanae</i>	新属种	否	China	Early Cretaceous		Nature	Cretaceous fossil reveals a new pattern in mammalian middle ear evolution

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Synsapsids	Other mammals	<i>Maiopatagium</i>	<i>Maiopatagium sibiricum</i>	新种	否	Russia	Middle Jurassic	Journal of Vertebrate Paleontology	Haramiyidan mammals from the Middle Jurassic of Western Siberia, Russia. Part 1: Shenshouidae and Maiopatagium			
		<i>Microdocodon</i>	<i>Microdocodon gracilis</i>	新属种	否	China	Middle Jurassic	Science	New Jurassic mammaliaform sheds light on early evolution of mammal-like hyoid bones			
		<i>Origolestes</i>	<i>Origolestes lii</i>	新属种	否	China	Early Cretaceous	Science	Integrated hearing and chewing modules decoupled in a Cretaceous stem therian mammal			
		<i>Qishou</i>	<i>Qishou jizantang</i>	新属种	否	China	Late Jurassic	Zoological Journal of the Linnean Society	A new haramiyidan mammal from the Jurassic Yanliao Biota and comparisons with other haramiyidans			
	Non-mammalian synsapsids		<i>Sharpovovia</i>	<i>Sharpovovia magna</i>	新属种	否	Russia	Middle Jurassic	Journal of Vertebrate Paleontology	Haramiyidan mammals from the Middle Jurassic of Western Siberia, Russia. Part 1: Shenshouidae and Maiopatagium		
			<i>Storchodon</i>	<i>Storchodon cingulatus</i>	新属种	否	Germany	Late Jurassic	Fossil Imprint	A large morganucodontan mammaliaform from the Late Jurassic of Germany		
		Non-mammalian synsapsids		<i>Arisierpeton</i>	<i>Arisierpeton simplex</i>	新属种	否	United States	Permian	PeerJ	A small caseid synapsid, <i>Arisierpeton simplex</i> gen. et sp. nov., from the early Permian of Oklahoma, with a discussion of synapsid diversity at the classic Richards Spur locality	
				<i>Bohemiaclavulus</i>		新属	否	Czech Republic	Carboniferous	PalZ	Edaphosauridae (Synapsida, Eupelycosauria) from Europe and their relationship to North American representatives	
				<i>Cabarzia</i>	<i>Cabarzia trostheidei</i>	新属种	否	Germany	Permian	PalZ		A new mesosaurine from the lower Permian of Germany and the postcrania of Mesenosaurus: implications for early amniote comparative osteology

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Synapsids	Non-mammalian synapsids	<i>Counillonia</i>	<i>Counillonia superoculis</i>	新属种	否	Laos	Most likely Early Triassic	Journal of Vertebrate Paleontology	New dicyodonts (Therapsida, Anomodontia) from near the Permo-Triassic boundary of Laos: implications for dicyodont survivorship across the Permo-Triassic mass extinction and the paleobiogeography of Southeast Asian blocks
		<i>Dendromaia</i>	<i>Dendromaia unamakiensis</i>	新属种	否	Canada	Carboniferous	Nature Ecology & Evolution	Varanopid from the Carboniferous of Nova Scotia reveals evidence of parental care in amniotes
		<i>Dicynodon</i>	<i>Dicynodon angielczyki</i>	新种	是	Tanzania	Late Permian	PeerJ	Revision of the Tanzanian dicynodont <i>Dicynodon huenei</i> (Therapsida: Anomodontia) from the Permian Usili Formation
		<i>Gorynychus</i>	<i>Gorynychus sundyrensis</i>	新种	否	Russia	Middle Permian	Paleontological Journal	A new Permian therococephalian (Therocephalia, Theromorpha) from the Sundryr assemblage of Eastern Europe
		<i>Hypselohaptodus</i>		新属	是	United Kingdom	Permian	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Re-evaluation of an early sphenacodontian synapsid from the Lower Permian of England
		<i>Jiufengia</i>	<i>Jiufengia jiai</i>	新属种	否	China	Late Permian	PeerJ	The tetrapod fauna of the upper Permian Naobaogou Formation of China: 3. <i>Jiufengia jiai</i> gen. et sp. nov., a large akidnognathid therococephalian
		<i>Julognathus</i>	<i>Julognathus crudelis</i>	新属种	否	Russia	Middle Permian	Paleontological Journal	A new primitive therococephalian (Theromorpha) from the Middle Permian of Eastern Europe
		<i>Kembawacela</i>	<i>Kembawacela kitchingi</i>	新属种	否	Zambia	Late Permian	Papers in Palaeontology	A new tusked cistecephalid dicyodont (Therapsida, Anomodontia) from the upper Permian upper Madumabisa Mudstone Formation, Luangwa Basin, Zambia
		<i>Lisowicia</i>	<i>Lisowicia bojani</i>	新属种	否	Poland	Late Triassic	Science	An elephant-sized Late Triassic synapsid with erect limbs

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		<i>Clavulaspis</i>	<i>Clavulaspis finis</i>	新属	否	Canada	Devonian	Journal of Paleontology	The last pteraspids (Vertebrata, Heterostraci): new material from the Middle Devonian of Alberta and Idaho		
		<i>Ecpymaspis</i>	<i>Ecpymaspis idahoensis</i>	新属	否	United States	Devonian	Journal of Paleontology	The last pteraspids (Vertebrata, Heterostraci): new material from the Middle Devonian of Alberta and Idaho		
		<i>Parathelodus</i>	<i>Parathelodus liaokuoensis</i>	新种	否	China	Devonian	Vertebrata Palasiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China		
		<i>Parathelodus</i>	<i>Parathelodus wangi</i>	新种	否	China	Devonian	Vertebrata Palasiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China		
		<i>Parathelodus</i>	<i>Parathelodus xitumensis</i>	新种	否	China	Devonian	Vertebrata Palasiatica	New material of thelodonts from Lochkovian (Lower Devonian) of Qujing, Yunnan, China		
		Jawless vertebrates		<i>Psarkosteus</i>	<i>Psarkosteus mediocris</i>	新属种	否	Poland	Devonian	Annales Societatis Geologorum Poloniae	A new Middle Devonian (Givetian) psammosteid (Vertebrata: Heterostraci) from Poland
				<i>Rumporostralis</i>	<i>Rumporostralis shipanensis</i>	新属种	否	China	Silurian	PeerJ	A new genus of sinogaleaspids (Galeaspida, stem-Gnathostomata) from the Silurian Period in Jiangxi, China
				<i>Scutellaspis</i>	<i>Scutellaspis wilsoni</i>	新属种	否	United States	Devonian	Journal of Paleontology	The last pteraspids (Vertebrata, Heterostraci): new material from the Middle Devonian of Alberta and Idaho
				<i>Actinolepis</i>	<i>Actinolepis zaikai</i>	新种	否	Belarus	Devonian	Journal of Paleontology	New Early Devonian (late Emsian) placoderms from Belarus
		Placoderms		<i>Bulongosteus</i>	<i>Bulongosteus liui</i>	新属种	否	China	Late Devonian	Chinese Science Bulletin	The first aspinothoracid arthrodire from the Late Devonian continental strata are found in western Junggar, Xinjiang
	<i>Johannaspis</i>			新属	否	Czech Republic	Early Devonian	Alcheringa: An Australasian Journal of Palaeontology	New genus of homostiid arthrodire contributes to the revision of placoderm diversity in the Early Devonian of the Prague Basin		
	<i>Minjintia</i>		<i>Minjintia turgenensis</i>	新属种	否	Mongolia	Devonian	Nature Ecology & Evolution	Endochondral bone in an Early Devonian 'placoderm' from Mongolia		

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Placoderms Acanthodians	Placoderms	<i>Stipatosteus</i>	<i>Stipatosteus svidumovitchi</i>	新属种	否	Belarus	Devonian	Journal of Paleontology	New Early Devonian (late Emsian) placoderms from Belarus
	Acanthodians	<i>Falldentus</i>	<i>Falldentus davidsoni</i>	新属种	否	United Kingdom	Devonian	Scottish Journal of Geology	Two newly identified cheiracanthid acanthodians from the Mey Flagstone Formation (Givetian, Middle Devonian) of the Orcadian Basin, Scotland
		<i>Amamriabatis</i>	<i>Amamriabatis heni</i>	新属种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Asteracanthus</i>	<i>Asteracanthus dunaii</i>	新种	否	Hungary	Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Asteracanthus (Hybodontiformes: Acrodonidae) remains from the Jurassic of Hungary, with the description of a new species and with remarks on the taxonomy and paleobiology of the genus
	Cartilaginous fishes	<i>Atlantitrygon</i>	<i>Atlantitrygon senegalensis</i>	新属种	否	Niger	Paleocene Matam Eocene	Annales de Paléontologie	Contribution to the reappraisal of the mid Paleogene ichthyofauna of Western Africa with three new enigmatical elasmobranchs from Thanetian-Lutetian of Senegal
		<i>Canadodus</i>	<i>Canadodus suntoki</i>	新属种	否	Canada	Late Oligocene	Journal of Vertebrate Paleontology	A new genus of chimaerid fish (Holocephali, Chimaeridae) from the Upper Oligocene Sooke Formation of British Columbia, Canada
		<i>Carcharhinus</i>	<i>Carcharhinus kasserinensis</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia

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Cartilaginous fishes		<i>Coupatezia</i>	<i>Coupatezia cristata</i>	新种	否	Egypt	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Cretasquatina</i>	<i>Cretasquatina americana</i>	新属种	否	United States	Late Cretaceous	American Museum Novitates	A new genus of Late Cretaceous angel shark (Elasmobranchii; Squatinidae), with comments on squatinid phylogeny
		<i>Eoplatoryrhina</i>	<i>Eoplatoryrhina bolcensis</i>	新属	是	Italy	Eocene	Journal of Systematic Palaeontology	"Revision of the Eocene 'Platoryrhina' species from the Bolca Lagerstätte (Italy) reveals the first panray (Batomorphii: Zanobatidae) in the fossil record"
		<i>Eorhinobatos</i>	<i>Eorhinobatos primaevus</i>	新属	否	Italy	Eocene	Zoological Journal of the Linnean Society	Anatomy, taxonomy and phylogeny of the Eocene guitarfishes from the Bolca Lagerstätten, Italy, provide new insights into the relationships of the Rhinopristiformes (Elasmobranchii: Batomorphii)
		<i>Ferromirum</i>	<i>Ferromirum oukherbouchi</i>	新属种	否	Morocco	Devonian	Communications Biology	"A symmoritiform form in the Late Devonian of Morocco demonstrates a derived jaw function in ancient chondrichthyans"
		<i>Himantura</i>	<i>Himantura souarfortuna</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Lamarodus</i>	<i>Lamarodus triangulus</i>	新属种	否	United States	Permian	Palaeoworld	New fish assemblages from the Middle Permian from the Guadalupe Mountains, West Texas, USA
		<i>Leptocharias</i>	<i>Leptocharias tunisiensis</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia

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		<i>Mecotrygon</i>	<i>Mecotrygon asperodentulus</i>	新属种	否	Egypt	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Mennerotodus</i>	<i>Mennerotodus mackayi</i>	新种	否	United States	Paleocene	Fossil Record	Two new species of <i>Mennerotodus</i> Zhelezko, 1994 (Chondrichthyes: Lamniformes: Odontaspidae), from the Paleogene of the southeastern United States
		<i>Mennerotodus</i>	<i>Mennerotodus parmlleyi</i>	新种	否	United States	Eocene	Fossil Record	Two new species of <i>Mennerotodus</i> Zhelezko, 1995 (Chondrichthyes: Lamniformes: Odontaspidae), from the Paleogene of the southeastern United States
	Cartilaginous fishes	<i>Microtrifitis</i>	<i>Microtrifitis matami</i>	新属种	否	Senegal	Eocene	Annales de Paléontologie	Contribution to the reappraisal of the mid Paleogene ichthyofauna of Western Africa with three new enigmatical elasmobranchs from Thanetian–Lutetian of Senegal
		<i>Nanocetorhinus</i>	<i>Nanocetorhinus zeitlingerii</i>	新种	否	Austria	Oligocene	Austrian Journal of Earth Sciences	A new species of the enigmatic shark genus <i>Nanocetorhinus</i> (Chondrichthyes) from the Oligocene of Austria with palaeogeographic implications
		<i>Odontorhynchus</i>	<i>Odontorhynchus priemi</i>	新种	否	Mali	Paleocene, Eocene	Annales de Paléontologie	Contribution to the reappraisal of the mid Paleogene ichthyofauna of Western Africa with three new enigmatical elasmobranchs from Thanetian–Lutetian of Senegal
		<i>Ouledia</i>	<i>Ouledia lacuna</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia

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		<i>Pachygnymura</i>	<i>Pachygnymura attiai</i>	新属	否	Egypt	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Plesiozanobatus</i>	<i>Plesiozanobatus egertoni</i>	新属	是	Italy	Eocene	Journal of Systematic Palaeontology	Revision of the Eocene 'Platyrhina' species from the Bolca Lagerstätte (Italy) reveals the first panray (Batomorphii: Zanobatidae) in the fossil record
		<i>Pristiophorus</i>	<i>Pristiophorus austriacus</i>	新种	否	Austria	Miocene	Palaeontos	Sawsharks (Pristiophoriformes, Pristiophoridae) in the Oligocene and Neogene of Europe and their relationships with extant species based on teeth and rostral denticles
	Cartilaginous fishes	<i>Pristiophorus</i>	<i>Pristiophorus borealis</i>	新种	否	Germany	Oligocene	Palaeontos	Sawsharks (Pristiophoriformes, Pristiophoridae) in the Oligocene and Neogene of Europe and their relationships with extant species based on teeth and rostral denticles
		<i>Pristiophorus</i>	<i>Pristiophorus tortonicus</i>	新种	否	Germany	Miocene	Palaeontos	Sawsharks (Pristiophoriformes, Pristiophoridae) in the Oligocene and Neogene of Europe and their relationships with extant species based on teeth and rostral denticles
		<i>Pristiophorus</i>	<i>Pristiophorus ungeri</i>	新种	否	Germany	Miocene	Palaeontos	Sawsharks (Pristiophoriformes, Pristiophoridae) in the Oligocene and Neogene of Europe and their relationships with extant species based on teeth and rostral denticles
		<i>Pseudorhinobatos</i>	<i>Pseudorhinobatos degnii</i>	新属	否	Italy	Eocene	Zoological Journal of the Linnean Society	Anatomy, taxonomy and phylogeny of the Eocene guitarfishes from the Bolca Lagerstätte, Italy, provide new insights into the relationships of the Rhinopristiformes (Elasmobranchii: Batomorphii)

主类群 (Main Taxa)	次级类群 (Sub Taxa)	属名 (Genus)	种名 (Species)	分类阶元 (Taxonomic category)	是否重定名 (Rename)	模式标本 分布国家 (Distribution countries)	地质年代 (Geologic time)	出版物 (Publication)	文章题目 (Article title)
		<i>Sculptospina</i>	<i>Sculptospina makhlavi</i>	新属种	否	Russia	Devonian	Acta Geologica Polonica	Chondrichthyan spines from the Famennian (Upper Devonian) of Russia
		<i>Sphyrna</i>	<i>Sphyrna guinoti</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
	Cartilaginous fishes	<i>Stegostoma</i>	<i>Stegostoma tethysiensis</i>	新种	否	Tunisia	Eocene	Palaeontologia Electronica	Diversity and renewal of tropical elasmobranchs around the Middle Eocene Climatic Optimum (MECO) in North Africa: New data from the lagoonal deposits of Djebel el Kébar, Central Tunisia
		<i>Taklamakanolepis</i>	<i>Taklamakanolepis asiaticus</i>	新属种	否	China	Early Silurian	PLOS ONE	Early Silurian chondrichthyans from the Tarim Basin (Xinjiang, China)
		<i>Telikewatelepis</i>	<i>Telikewatelepis sinensis</i>	新属种	否	China	Early Silurian	PLOS ONE	Early Silurian chondrichthyans from the Tarim Basin (Xinjiang, China)
		<i>Xiaohaizilepis</i>	<i>Xiaohaizilepis liui</i>	新属种	否	China	Early Silurian	PLOS ONE	Early Silurian chondrichthyans from the Tarim Basin (Xinjiang, China)
		<i>Yuanolepis</i>	<i>Yuanolepis bachunensis</i>	新属种	否	China	Early Silurian	PLOS ONE	Early Silurian chondrichthyans from the Tarim Basin (Xinjiang, China)
		<i>Agassizilia</i>	<i>Agassizilia erfoudina</i>	新属种	否	Morocco	Cenomanian	Cretaceous Research	A diverse assemblage of pycnodont fishes (Actinopterygii, Pycnodontomorpha) from the mid-Cretaceous, continental Kem Kem beds of South-East Morocco
	Ray-finned fishes	<i>Altmuehlfuro</i>	<i>Altmuehlfuro boomerang</i>	新属种	否	Germany	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Elongofuro and Altmuehlfuro, new genera of Halecomorphi (Neopterygii) from the Upper Jurassic of the Solnhofen Archipelago and Nusplingen (Germany)
		<i>Amakusaichthys</i>	<i>Amakusaichthys goshouraiensis</i>	新属种	否	Japan	Late Cretaceous	Historical Biology: An International Journal of Paleobiology	A new ichthyodectiform fish, <i>Amakusaichthys goshouraiensis</i> gen. et sp. nov. from the Upper Cretaceous (Santonian) Himenoura Group in Goshoura, Amakusa, Kumamoto, Japan

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		<i>Ampheristus</i>	<i>Ampheristus americanus</i>	新种	否	United States	Late Cretaceous, Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Damian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Anguilla</i>	<i>Anguilla chickasawae</i>	新种	否	United States	Late Cretaceous, Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Anomoedus</i>	<i>Anomoedus wolffi</i>	新种	否	United States	Late Cretaceous	Thalassia Salentina	Pycnodonts (Neopterygii, Pycnodontiformes) from the Del Rio Formation (Early Cenomanian, Cretaceous) of Waco Lake, Texas (U.S.A.)
	Ray-finned fishes	<i>Anorevus</i>	<i>Anorevus lorenzonii</i>	新属种	否	Italy	Eocene	Studi e ricerche sui giacimenti terziari di Bolca, XX - Miscellanea Paleontologica	A new genus and species of percomorph fish ("stem pleuronectiform") from the Eocene of Bolca in northern Italy
		<i>Apateodus</i>	<i>Apateodus crenellatus</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Ariopsis</i>	<i>Ariopsis castilloensi</i>	新种	否	Venezuela	Late Oligocene to early Miocene	Journal of South American Earth Sciences	Fossil sea catfish (Siluriformes; Ariidae) otoliths and in-skull otoliths from the Neogene of the Western Central Atlantic
		<i>Armigatus</i>	<i>Armigatus carrenoae</i>	新种	否	Mexico	Early Cretaceous	Palaeontologia Electronica	On the Albian occurrence of <i>Armigatus</i> (Teleostei, Clupeomorpha) in America, a new species from the Tlayua Lagerstätte, Mexico
		<i>Bagre</i>	<i>Bagre ornatus</i>	新种	否	Venezuela	Late Oligocene to early Miocene	Journal of South American Earth Sciences	Fossil sea catfish (Siluriformes; Ariidae) otoliths and in-skull otoliths from the Neogene of the Western Central Atlantic

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		<i>Baringochromis</i>	<i>Baringochromis senutae</i>	新属种	否	Kenya	Late Miocene	Hydrobiologia	A small cichlid species flock from the Upper Miocene (9–10 MYA) of Central Kenya
		<i>Benthophilus</i>	<i>Benthophilus aprutinus</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Benthophilus</i>	<i>Benthophilus labronicus</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Boreolates</i>	<i>Boreolates debernardi</i>	新属种	否	United States	Eocene	The Mosasaur. The Journal of the Delaware Valley Paleontological Society	Additions to the bony fish fauna from the early Eocene Nanjemoy Formation of Maryland and Virginia (U.S.A)
	Ray-finned fishes	<i>Brachyplatystoma</i>	<i>Brachyplatystoma elbakvani</i>	新种	否	Argentina	Late Miocene	Journal of South American Earth Sciences	Goliath catfish <i>Brachyplatystoma</i> Bleeker, 1862 (Siluriformes: Pimelodidae) from the Miocene of Argentina
		<i>Buenia</i>	<i>Buenia pisiformis</i>	新种	否	Greece	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Burguklia</i>	<i>Burguklia minichorum</i>	新种	否	Russia	Permian	PalZ	A new species of <i>Burguklia</i> (Pisces, Actinopterygii) from the Middle Permian of the Volga Region (European Russia)
		<i>Caspiosoma</i>	<i>Caspiosoma lini</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Caspiosoma</i>	<i>Caspiosoma paulsulcata</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance

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Ray-finned fishes		<i>Caucombrus</i>	<i>Caucombrus histiopterygius</i>	新属种	否	Russia	Early Oligocene	Paleontological Journal	A new genus and species of scombrid fish (Perciformes, Scombroidei, Scombridae) from the Lower Oligocene of the Caucasus
		<i>Chaychanus</i>	<i>Chaychanus gonzalezorum</i>	新属种	否	Mexico	Paleocene	Journal of South American Earth Sciences	<i>Chaychanus gonzalezorum</i> gen. et sp. nov.: A damselfish fossil (Pomacentridae; Percomorphaeae), from the Early Paleocene outcrop of Chiapas, Southeastern Mexico
		<i>Choctawichthys</i>		新属	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Chromogobius</i>	<i>Chromogobius primigenius</i>	新种	否	Czech	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobidae (Gobiiformes; Teleostei)
		<i>Clupea</i>	<i>Clupea hanishinaensis</i>	新种	是	Japan	Miocene	Paleontological Research	<i>Clupea hanishinaensis</i> nomen novum, a replacement name for the Miocene clupeid fish <i>Clupea macrocephala</i> Yabumoto and Nazarkin, 2018 from Nagano, Japan
		<i>Congrophichthys</i>	<i>Congrophichthys transsterminus</i>	新属种	否	United States	Late Cretaceous, Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Damian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Cowetaichthys</i>	<i>Cowetaichthys carnevalei</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)

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		<i>Cyclothone</i>	<i>Cyclothone duhoensis</i>	新种	否	South Korea	Miocene	Historical Biology: An International Journal of Paleobiology	A Neogene bristlemouth of the genus <i>Cyclothone</i> (Stomiiformes: Gonostomatidae) from South Korea
		<i>Dakotaitchthys</i>	<i>Dakotaitchthys hogansoni</i>	新属种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Danian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Eleotris</i>	<i>Eleotris omuamuaensis</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Eleotris</i>	<i>Eleotris tyrrenicus</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
	Ray-finned fishes	<i>Ellimma</i>	<i>Ellimma longipectoralis</i>	新种	否	Brazil	Early Cretaceous	Journal of South American Earth Sciences	<i>Ellimma longipectoralis</i> sp. nov. (Teleostei: Clupeomorpha: Ellimmichthyiformes) from the Aptian of the Santos Basin, southeastern Brazil
		<i>Ellimmichthys</i>	<i>Ellimmichthys spinosus</i>	新种	是	Brazil	Early Cretaceous	Journal of South American Earth Sciences	Revision of <i>Ellimmichthys longicostatus</i> (Clupeomorpha: Ellimmichthyiformes) from the Lower Cretaceous of Brazil with comments on the taxonomy of related species
		<i>Elongofuro</i>	<i>Elongofuro woelffei</i>	新属种	否	Germany	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	<i>Elongofuro</i> and <i>Altmuehlifuro</i> , new genera of Halecomorphi (Neopterygii) from the Upper Jurassic of the Solnhofen Archipelago and Nusplingen (Germany)

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Ray-finned fishes		<i>Elopothriassus</i>	<i>Elopothriassus carsonsloani</i>	新种	否	United States	Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Damian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Engdahllichthys</i>	<i>Engdahllichthys milviaegis</i>	新属种	否	United States	Paleocene	Journal of Vertebrate Paleontology	Paddlefish and sturgeon (<i>Chondrostei</i> : Acipenseriformes: Polyodontidae and Acipenseridae) from lower Paleocene deposits of Montana, U.S.A
		<i>Enigmacottus</i>	<i>Enigmacottus socialis</i>	新属种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Epaelops</i>	<i>Epaelops martinezi</i>	新属种	否	Mexico	Early Cretaceous	Cretaceous Research	<i>Epaelops martinezi</i> gen. and sp. nov. from the Albian limestone deposits of the Tlayúa quarry, Mexico – a new late Mesozoic record of Elopiformes of the western Tethys
		<i>Eutaerichthys</i>	<i>Eutaerichthys choctawae</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Feroxichthys</i>	<i>Feroxichthys yunnanensis</i>	新属种	否	China	Middle Triassic	PeerJ	<i>Feroxichthys yunnanensis</i> gen. et sp. nov. (Colobodontidae, Neopterygii), a large durophagous predator from the Middle Triassic (Anisian) Luoping Biota, eastern Yunnan, China
		<i>Globanomoeodus</i>	<i>Globanomoeodus dentespissim</i>	新属种	否	United States	Late Cretaceous	Thalassia Salentina	Pycnodonts (Neopterygii, Pycnodontiformes) from the Del Rio Formation (Early Cenomanian, Cretaceous) of Waco Lake, Texas (U.S.A.)
		<i>Gobius</i>	<i>Gobius peloponnesus</i>	新种	否	Greece	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance

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		<i>Gobius</i>	<i>Gobius supraspectabilis</i>	新种	否	Slovakia	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Gregoriopycnodus</i>		新属	否	Italy	Early Cretaceous	Geo-Eco-Trop	Osteology and phylogenetic relationships of <i>Gregoriopycnodus bassanii</i> gen. nov., a pycnodont fish (Pycnodontidae) from the marine Albian (Lower Cretaceous) of Pietraraja (southern Italy)
		<i>Hadromos</i>	<i>Hadromos sandersae</i>	新属种	否	Indonesia	Early Cenozoic	Journal of Vertebrate Paleontology	Early Cenozoic Cyprinoids (Ostariophysi: Cypriniformes: Cyprinidae and Danionidae) from Sumatra, Indonesia
		<i>Hastichthys</i>	<i>Hastichthys totonacus</i>	新种	否	Mexico	Late Cretaceous	Journal of South American Earth Sciences	<i>Hastichthys totonacus</i> sp. nov., a North American Turonian dercetid fish (Teleostei, Aulopiformes) from the Huehuetla quarry, Puebla, Mexico
		<i>Heckelichthys</i>	<i>Heckelichthys preopercularis</i>	新种	否	Mexico	Cretaceous	Cretaceous Research	A new species of <i>Heckelichthys</i> from the Muhi Quarry (Albian–Cenomanian) of Central Mexico
		<i>Hesperichthys</i>	<i>Hesperichthys gironeae</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene–early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Hesperichthys</i>	<i>Hesperichthys iugosus</i>	新种	否	Moldova	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Hiascoactinus</i>	<i>Hiascoactinus boryeongensis</i>	新属种	否	South Korea	Late Triassic	Gondwana Research	The first record of redfieldiidiform fish (<i>Actinopterygii</i>) from the Upper Triassic of Korea: Implications for paleobiology and paleobiogeography of Redfieldiidiformes

Ray-finned fishes

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Ray-finned fishes		<i>Hoeseichthys</i>	<i>Hoeseichthys preaclanus</i>	新属种	否	Germany	Miocene	ollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Hoeseichthys</i>	<i>Hoeseichthys laevis</i>	新属种	否	Germany	Miocene	ollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Holzmadenfuro</i>	<i>Holzmadenfuro rebmanni</i>	新属种	否	Germany	Early Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	First evidence of ganoin-scaled Halecomorphi (Neopterygii) in the Lower Jurassic of Holzmaden and Ohmden, Germany
		<i>Hoptopteryx</i>	<i>Hoptopteryx langfordi</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Hypsocormus</i>	<i>Hypsocormus posterodorsalis</i>	新种	否	Germany	Late Jurassic	Acta Palaeontologica Polonica	Re-evaluation of pachycormid fishes from the Late Jurassic of Southwestern Germany
		<i>Knipowitschia</i>	<i>Knipowitschia etrusca</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene-early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Knipowitschia</i>	<i>Knipowitschia polonica</i>	新种	否	Poland	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Kokenichthys</i>	<i>Kokenichthys navis</i>	新属	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)

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		<i>Kradimus</i>	<i>Kradimus asflaensis</i>	新属种	否	Morocco	Late Cretaceous	Cretaceous Research	A new crossognathiform fish (Actinopterygii, Teleostei) from the Upper Cretaceous (Turonian) of Southern Morocco with hypertrophied fins
		<i>Lavinia</i>	<i>Lavinia sturwilliamsi</i>	新种	否	United States	Late Miocene	Miscellaneous Publications. Museum of Zoology, University of Michigan	Late Miocene fishes of the Cache Valley Member, Salt Lake Formation, Utah and Idaho
		<i>Lebrunichthys</i>	<i>Lebrunichthys nammourensis</i>	新属种	否	Lebanon	Late Cretaceous	Geo-Eco-Trop	Osteology and relationships of <i>Lebrunichthys nammourensis</i> gen. and sp. nov. (Teleostei, Crossognathiformes, Pachytrichodontidae), a fossil fish from the marine Upper Cretaceous of Lebanon
	Ray-finned fishes	<i>Lesueurigobius</i>	<i>Lesueurigobius stazzanensis</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene-early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Lindoeichthys</i>	<i>Lindoeichthys albertensis</i>	新属种	否	Canada	Late Cretaceous	Geological Magazine	Earliest North American articulated freshwater acanthomorph fish (Teleostei: Percopsiformes) from Upper Cretaceous deposits of Alberta, Canada
		<i>Louwoichthys</i>	<i>Louwoichthys pusillus</i>	新属种	否	China	Middle Triassic	Zoological Journal of the Linnean Society	A new stem-neopterygian fish from the Middle Triassic (Anisian) of Yunnan, China, with a reassessment of the relationships of early neopterygian clades
		<i>Luganoia</i>	<i>Luganoia</i>	新种	否	China	Middle Triassic	Vertebrata Palasiatica	A new species of <i>Luganoia</i> (Luganoioidea, Neopterygii) from the Middle Triassic Xingyi Biota, Guizhou, China
		<i>Megalops</i>	<i>Megalops nolfi</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)

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Ray-finned fishes		<i>Monosmilus</i>	<i>Monosmilus chureloides</i>	新属种	否	Pakistan	Eocene	Royal Society Open Science	Large-bodied sabre-toothed anchovies reveal unanticipated ecological diversity in early Palaeogene teleosts
		<i>Muraenanguilla</i>	<i>Muraenanguilla unionensis</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Neilpearlia</i>	<i>Neilpearlia ceratoi</i>	新属种	否	Italy	Eocene	Journal of Vertebrate Paleontology	Neilpearlia ceratoi, gen. et sp. nov., a new frogfish from the Eocene of Bolca, Italy
		<i>Neomesturus</i>	<i>Neomesturus asflansis</i>	新属种	否	Morocco	Turonian	Cretaceous Research	Pycnodont fishes (Actinopterygii, Pycnodontiformes) from the Upper Cretaceous (lower Turonian) Akrabou Formation of Asfla, Morocco
		<i>Neoprosocinetes</i>	<i>Neoprosocinetes africanus</i>	新种	否	Morocco	Cenomanian	Cretaceous Research	A diverse assemblage of pycnodont fishes (Actinopterygii, Pycnodontomorpha) from the mid-Cretaceous, continental Kem Kem beds of South-East Morocco
		<i>Njoerdichthys</i>	<i>Njoerdichthys dyckerhoffi</i>	新属种	否	Germany	Late Cretaceous	Cretaceous Research	<i>Njoerdichthys dyckerhoffi</i> gen. et sp. nov. (Pycnodontiformes, lower Turonian) northward migration caused by the Cretaceous Thermal Maximum
		<i>Numaneichthys</i>	<i>Numaneichthys mexicanus</i>	新属种	否	Mexico	Cretaceous	Journal of South American Earth Sciences	The first record of a pterothrissin (Albuliformes, Albulidae) from the Muhi Quarry, mid-Cretaceous (Albian-Cenomanian) of Hidalgo, central Mexico
		<i>Odondebuenia</i>	<i>Odondebuenia agtadiae</i>	新种	否	Mali	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Ohmdenfuro</i>	<i>Ohmdenfuro bodmani</i>	新属种	否	Germany	Early Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	First evidence of ganoin-scaled Halecomorphi (Neopterygii) in the Lower Jurassic of Holzmaden and Ohmden, Germany

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		<i>Osmeroïdes</i>	<i>Osmeroïdes mississippiensis</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Ossulcus</i>	<i>Ossulcus labiatus</i>	新属种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Otolithopsis</i>	<i>Otolithopsis cumatilis</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
	Ray-finned fishes	<i>Palaeogadus</i>	<i>Palaeogadus weltoni</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Danian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Palealbula</i>	<i>Palealbula korehinskyi</i>	新种	否	Russia	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	First teleost otoliths from the Late Jurassic of Russia
		<i>Palealbula</i>	<i>Palealbula moscovitensis</i>	新种	否	Russia	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	First teleost otoliths from the Late Jurassic of Russia
		<i>Paranursallia</i>	<i>Paranursallia cavini</i>	新种	否	Morocco	Turonian	Cretaceous Research	Pycnodont fishes (Actinopterygii, Pycnodontiformes) from the Upper Cretaceous (lower Turonian) Akrabou Formation of Asfla, Morocco
		<i>Paucuncus</i>	<i>PAUCUNCUS BUSSYI</i>	新种	否	Indonesia	Early Cenozoic	Journal of Vertebrate Paleontology	Early Cenozoic Cyprinoids (Ostariophysi: Cypriniformes: Cyprinidae and Danionidae) from Sumatra, Indonesia

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		<i>Polcynichthys</i>	<i>Polcynichthys lloydhilli</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	A new pachyrhizodontid fish (Actinopterygii: Teleostei) from the Tarrant Formation (Cenomanian) of the Upper Cretaceous Eagle Ford Group in Texas, USA
		<i>Proterorhinus</i>	<i>Proterorhinus cretensis</i>	新种	否	Greece	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene—early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Pythnichthys</i>	<i>Pythnichthys arkansasensis</i>	新种	否	United States	Late Cretaceous, Paleocene	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Danian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Rachycentron</i>	<i>Rachycentron strenphaencus</i>	新种	否	United States	Miocene	Journal of Paleontology	A new cobia (Teleostei, Rachycentridae) species from the Miocene St. Marys Formation along Calvert Cliffs, Maryland, USA
		<i>Rebekkachromis</i>	<i>Rebekkachromis vairyicus</i>	新种	否	Kenya	Miocene	Journal of Vertebrate Paleontology	New Cichlid Fossils from the Middle-Late Miocene Alkaline Lakes of Africa
		<i>Rebekkachromis</i>	<i>Rebekkachromis vancouveringae</i>	新种	否	Kenya	Miocene	Journal of Vertebrate Paleontology	New Cichlid Fossils from the Middle-Late Miocene Alkaline Lakes of Africa
		<i>Rhynchoconger</i>	<i>Rhynchoconger bretwoodwardi</i>	新种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Fish otoliths from the late Maastrichtian Kemp Clay (Texas, USA) and the early Danian Clayton Formation (Arkansas, USA) and an assessment of extinction and survival of teleost lineages across the K-Pg boundary based on otoliths
		<i>Rupelia</i>	<i>Rupelia rata</i>	新属种	否	Russia	Oligocene	Journal of Vertebrate Paleontology	A systematic revision of herrings (Teleostei, Clupeidae, Clupeinae) from the Oligocene and early Miocene from the Eastern Paratethys and the Carpathian Basin

Ray-finned fishes

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		<i>Salwaichthys</i>	<i>Salwaichthys paratethyensis</i>	新属种	否	Abkhazia	Early Oligocene	Paleontological Journal	A new family Salwaichthyidae (Pisces, Perciformes s.l.) from the lower Oligocene of the Caucasus and Carpathians
		<i>Sanctusichthys</i>	<i>Sanctusichthys rieteri</i>	新属种	否	Germany	Late Jurassic	Journal of Vertebrate Paleontology	New halecomorph (Actinopterygii, Neopterygii) from the Nusplingen Lithographic Limestone (Upper Jurassic, Late Kimmeridgian), Germany
		<i>Sangkarewangia</i>	<i>Sangkarewangia sumatranus</i>	新属种	否	Indonesia	Early Cenozoic	Journal of Vertebrate Paleontology	Early Cenozoic Cyprinoids (Ostariophysi: Cypriniformes: Cyprinidae and Danionidae) from Sumatra, Indonesia
		<i>Scleropages</i>	<i>Scleropages sanshuiensis</i>	新种	否	China	Early Eocene	Vertebrata Palasiatica	A new species of Scleropages (Osteoglossidae, Osteoglossomorpha) from the Eocene of Guangdong, China
	Ray-finned fishes	<i>Scombroclupea</i>	<i>Scombroclupea javieri</i>	新种	否	Mexico	Late Cretaceous	Cretaceous Research	<i>Scombroclupea javieri</i> sp. nov., an enigmatic Cenomanian clupeomorph fish (Teleostei, Clupeomorpha) from the marine deposits of the Cintalapa Formation, Ocozocoautla, Chiapas, southeastern Mexico
		<i>Simiperca</i>	<i>Simiperca ikikoku</i>	新种	否	Japan	Miocene	Paleontological Research	<i>Simiperca ikikoku</i> , a new species of freshwater percoid fish from the Miocene of Iki Island, Nagasaki, Japan
		<i>Simocormus</i>	<i>Simocormus macrolepidotus</i>	新属种	是	Germany	Late Jurassic	Acta Palaeontologica Polonica	Re-evaluation of pachycormid fishes from the Late Jurassic of Southwestern Germany
		<i>Stanhopeichthys</i>	<i>Stanhopeichthys libanicus</i>	新属种	否	Lebanon	Late Cretaceous	Geo-Eco-Trop	Osteology and relationships of <i>Stanhopeichthys libanicus</i> gen. and sp. nov. (Teleostei, Crossoznathiformes, Pachytrichodontidae) from the marine Cenomanian (Upper Cretaceous) of Lebanon
		<i>Stefanichthys</i>	<i>Stefanichthys mariannae</i>	新属种	否	Italy	Eocene	Studi e ricerche sui giacimenti terziari di Bolca, XX - Miscellanea Paleontologica	<i>Stefanichthys mariannae</i> , a new genus and species of percoid fish (Perciformes s.l.) from the Eocene of Bolca in northern Italy

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Ray-finned fishes		<i>Thorogobius</i>	<i>Thorogobius petilus</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene-early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance
		<i>Thrax</i>	<i>Thrax acutus</i>	新属种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Tippaha</i>	<i>Tippaha mythica</i>	新属种	否	United States	Late Cretaceous	Rivista Italiana di Paleontologia e Stratigrafia	Highly diversified Late Cretaceous fish assemblage revealed by otoliths (Ripley Formation and Owl Creek Formation, northeast Mississippi, USA)
		<i>Yachalia</i>	<i>Yachalia moraviensis</i>	新属种	否	Czech Republic	Early Oligocene	Journal of Vertebrate Paleontology	An Oligocene tubeshoulder (Teleostei, Alepocephaliformes) from the Central Paratethys (Czech Republic): the first skeletal record for the family Platytroctidae
		<i>Vanderhorstia</i>	<i>Vanderhorstia prochazkai</i>	新种	否	Czech Republic	Miocene	Bollettino della Società Paleontologica Italiana	Goby otoliths from the Badenian (middle Miocene) of the Central Paratethys from the Czech Republic, Slovakia and Poland: A baseline for the evolution of the European Gobiidae (Gobiiformes; Teleostei)
		<i>Vegrandichthys</i>	<i>Vegrandichthys coitecus</i>	新属种	否	Mexico	Late Cretaceous	Palaeontologia Electronica	A long snout enchodontid fish (Aulopiformes: Enchodontidae) from the Early Cretaceous deposits at the El Chango quarry, Chiapas, southeastern Mexico: A multi-approach study
		<i>Warilochromis</i>	<i>Warilochromis unicuspidatus</i>	新属种	否	Kenya	Late Miocene	BMC Evolutionary Biology	New haplochromine cichlid from the upper Miocene (9–10 MYA) of Central Kenya
		<i>Zosterisessor</i>	<i>Zosterisessor exsul</i>	新种	否	Italy	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Late Miocene-early Pliocene evolution of Mediterranean gobies and their environmental and biogeographic significance. Rivista Italiana di Paleontologia e Stratigrafia

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Lobe-finned fishes		<i>Ferganoceratodus</i>	<i>Ferganoceratodus annelempae</i>	新种	否	Thailand	Late Jurassic	Journal of Vertebrate Paleontology	A new lungfish from the Jurassic of Thailand". Journal of Vertebrate Paleontology
		<i>Megalichthys</i>	<i>Megalichthys mullisoni</i>	新种	否	United States	Devonian	Journal of Vertebrate Paleontology	A new species of Megalichthys (Sarcopterygii, Megalichthyidae) from the Upper Devonian (Famennian) of Pennsylvania, U.S.A., and a report on the cosmine-covered osteolepiform fossils of the Catskill Formation
		<i>Metaceratodus</i>	<i>Metaceratodus baibianorum</i>	新种	否	Argentina	Late Cretaceous	Journal of Vertebrate Paleontology	<i>Metaceratodus baibianorum</i> , a new dipnoan species from the Upper Cretaceous of southern South America supported by traditional and geometric morphometric analyses
		<i>Neoceratodus</i>	<i>Neoceratodus potkooroki</i>	新种	否	Australia	Cretaceous	Journal of Vertebrate Paleontology	A new Species of Fossil Lungfish (Osteichthyes: Dipnoi) from the Cretaceous of Australia
		<i>Psychoceratodus</i>	<i>Psychoceratodus oldhami</i>	新种	否	India	Late Triassic	Journal of Vertebrate Paleontology	A record of new lungfishes (Osteichthyes: Dipnoi) from the Carnian (Upper Triassic) of India
		<i>Rossichthys</i>	<i>Rossichthys clackae</i>	新属种	否	United Kingdom	Carboniferous	Journal of Vertebrate Paleontology	A new look at Carboniferous rhizodontid humeri (Sarcopterygii; Tetrapodomorpha)
		<i>Benthosuchus</i>	<i>Benthosuchus lukyanovi</i>	新种	否	Russia	Early Triassic	Paleontological Journal	A new benthosuchid (Amphibia: Temnospondyli) from the Lower Triassic of the Moscow Syncline
		<i>Diploseira</i>		新属	是	United States	Early Permian	Journal of Vertebrate Paleontology	Revision of the Early Permian Dissorophid 'Dissorophus' angustus (Temnospondyli: Dissorophoidea)
		<i>Korkonterpeton</i>	<i>Korkonterpeton kalnense</i>	新属种	否	Czech Republic	Permian	Fossil Imprint	A new stereospondylomorph, <i>Korkonterpeton kalnense</i> gen. et sp. nov., from lower Permian of the Czech Krkonoše Piedmont Basin and a redescription of <i>Intasuchus silvicola</i> from the lower Permian of Russia (Temnospondyli, Amphibia)
	Amphibians	Temnospondyli	<i>Palodromeus</i>	<i>Palodromeus bairdi</i>	新属种	否	United States	Late Carboniferous	Journal of Paleontology

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Amphibians	Allocaudata	<i>Rastosuchus</i>	<i>Rastosuchus hammeri</i>	新属种	否	Brazil	Permian	Revista Brasileira de Paleontologia	A new short-snouted rhinesuchid from the Permian of southern Brazil	
		<i>Yaksha</i>	<i>Yaksha perettii</i>	新属种	否	Myanmar	Late Cretaceous	Science	Enigmatic amphibians in mid-Cretaceous amber were chameleon-like ballistic feeders	
		<i>Calyptocephalella</i>	<i>Calyptocephalella sabrosa</i>	新种	否	Argentina	Paleocene	Papers in Palaeontology	Exceptional avian pellet from the Paleocene of Patagonia and description of its content: a new species of calyptocephalellid (Neobatrachia) anuran	
	Anurans	<i>Ceratophrys</i>	<i>Ceratophrys sagani</i>	新种	否	Brazil	Probably late Pleistocene–early Holocene	Journal of Vertebrate Paleontology	Journal of South American Earth Sciences	Description of a new species of fossil Ceratophrys (Anura: Ceratophryidae) from Versalles Cave, São Paulo, Brazil
		<i>Kururubatrachus</i>	<i>Kururubatrachus gondwanicus</i>	新属种	否	Brazil	Early Cretaceous	Journal of South American Earth Sciences	Cretaceous Research	Early Cretaceous neobatrachian frog (Anura) from Brazil sheds light on the origin of modern anurans
		<i>Balveherpeton</i>	<i>Balveherpeton hoemetalensis</i>	新属种	否	Germany	Early Cretaceous	Early Cretaceous	Cretaceous Research	First salamander from the Lower Cretaceous of Germany
	Caudata	<i>Egoria</i>	<i>Egoria malashichevi</i>	新属种	否	Russia	Middle Jurassic		PLOS ONE	A new small-sized stem salamander from the Middle Jurassic of Western Siberia, Russia
		<i>Palaeoproteus</i>	<i>Palaeoproteus miocenicus</i>	新种	否	Austria	Miocene		Scientific Reports	The last Palaeoproteus (Urodela: Batrachosauroididae) of Europe
		<i>Brittagnathus</i>	<i>Brittagnathus minutus</i>	新属种	否	Greenland	Devonian		Royal Society Open Science	The smallest known Devonian tetrapod shows unexpectedly derived features
	Others	<i>Leptoropha</i>	<i>Leptoropha minima</i>	新种	否	Russia	Permian		Paleontological Journal	A new Leptoropha (Kotlassiidae, Seymouriamorpha) species from the Upper Urzhumian of European Russia
		<i>Microphon</i>	<i>Microphon terminalis</i>	新种	否	Russia	Late Permian		Paleontological Journal	A new kotlassiid (Amphibia, Seymouriamorpha) from the terminal Permian of Eastern Europe
		<i>Seroherpeton</i>	<i>Seroherpeton yangquamensis</i>	新属种	否	China	Permian		Fossil Record	The youngest occurrence of embolomeres (Tetrapoda: Anthracosauria) from the Sunjiagou Formation (Lopingian, Permian) of North China
			<i>Steenerpeton</i>	<i>Steenerpeton silvae</i>	新属种	否	Canada	Carboniferous	Papers in Palaeontology	Reassessment of historic 'microsaurs' from Joggins, Nova Scotia, reveals hidden diversity in the earliest amniote ecosystem

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Reptilia	Lizards and snakes	<i>Boipeba</i>	<i>Boipeba tayasuensis</i>	新属种	否	Brazil	Late Cretaceous	iScience	Cretaceous blindsnake from Brazil fills major gap in snake evolution
		<i>Borealolaysia</i>	<i>Borealolaysia gunnelli</i>	新属种	否	United States	Middle Eocene	Geobios	A South American snake lineage from the Eocene Greenhouse of North America and a reappraisal of the fossil record of "antlioid" snakes
		<i>Bothriagenys</i>	<i>Bothriagenys flectomendax</i>	新种	否	United States	Late Cretaceous	Cretaceous Research	New taxa among a remarkably diverse assemblage of fossil squamates from the Aguja formation (lower Campanian) of west Texas
		<i>Catuma</i>	<i>Catuma benovskyyi</i>	新种	否	Kenya	Early Miocene	Scientific Reports	The only complete articulated early Miocene chameleon skull (Rusinga Island, Kenya) suggests an African origin for Madagascar's endemic chameleons
		<i>Chalcides angei</i>		新种	否	Russia	Early middle Miocene	The Anatomical Record	The key to understanding the European Miocene Chalcides (Squamata, Scincidae) comes from Asia: the lizards of the East Siberian Tagay locality (Baikal Lake) in Russia
		<i>Eoconstrictor</i>		新属	否	Germany	Eocene	Diversity	Exquisitely preserved fossil snakes of Messel: insight into the evolution, biogeography, habitat preferences and sensory ecology of early boas
		<i>Epileolus</i>	<i>Epileolus reshetovi</i>	新属种	否	Mongolia	Late Paleocene	Paleontological Journal	A new lizard (Agamidae, Iguania) from the late Paleocene of south Mongolia
		<i>Gavialimimus</i>	<i>Gavialimimus almagribensis</i>	新属种	否	Morocco	Late Cretaceous	Journal of Systematic Palaeontology	A new species of longirostrine plioleptacarpine mosasaur (Squamata: Mosasauridae) from the Late Cretaceous of Morocco, with a re-evaluation of the problematic taxon <i>Platecarpus ptychodon</i>
		<i>Gnathomortis</i>		新属	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Redescription and phylogenetic assessment of <i>'Prognathodon' stadmani</i> : implications for Globidensini monophyly and character homology in Mosasaurinae

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Reptilia	Lizards and snakes	<i>Hypostylos</i>	<i>Hypostylos gladius</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	New taxa among a remarkably diverse assemblage of fossil squamates from the Aguja formation (lower Campanian) of west Texas
		<i>Hypostylos</i>	<i>Hypostylos lehmani</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	New taxa among a remarkably diverse assemblage of fossil squamates from the Aguja formation (lower Campanian) of west Texas
		<i>Kopidosaurus</i>	<i>Kopidosaurus perplexus</i>	新属种	否	United States	Eocene	Scientific Reports	Effects of phylogenetic uncertainty on fossil identification illustrated by a new and enigmatic Eocene iguanian
		<i>Messelopython</i>	<i>Messelopython freyi</i>	新属种	否	Germany	Eocene	Biology Letters	Pythons in the Eocene of Europe reveal a much older divergence of the group in sympatry with boas
		<i>Neokotus</i>	<i>Neokotus sanfranciscanus</i>	新属种	否	Brazil	Early Cretaceous	Communications Biology	Discovery of the oldest South American fossil lizard illustrates the cosmopolitanism of early South American squamates
		<i>Vipera latastei</i>	<i>Vipera latastei ebusitana</i>	新种	否	Spain	Pleistocene–Holocene	Zoological Journal of the Linnean Society	Origin, extinction and ancient DNA of a new fossil insular viper: molecular clues of overseas immigration
		<i>Acuetzpalin</i>	<i>Acuetzpalin carranzai</i>	新属种	否	Mexico	Late Jurassic	Journal of South American Earth Sciences	<i>Acuetzpalin carranzai</i> gen et sp. nov. A new ophthalmosauridae (Ichthyosauria) from the Upper Jurassic of Durango, North Mexico
		<i>Cymbospondylus</i>	<i>Cymbospondylus dueiferi</i>	新种	否	United States	Middle Triassic	Journal of Systematic Palaeontology	A new cymbospondylid ichthyosaur (Ichthyosauria) from the Middle Triassic (Anisian) of the Augusta Mountains, Nevada, USA
		<i>Hauffiopteryx</i>	<i>Hauffiopteryx altera</i>	新种	是	Germany	Early Jurassic	Palaeontologia Electronica	A revision of the Early Jurassic ichthyosaur <i>Hauffiopteryx</i> (Reptilia: Ichthyosauria), and description of a new species from southwestern Germany
		<i>Nannopterygius</i>	<i>Nannopterygius borealis</i>	新种	是	Norway	Early Cretaceous	Zoological Journal of the Linnean Society	Revision of <i>Nannopterygius</i> (Ichthyosauria: Ophthalmosauridae): reappraisal of the 'inaccessible' holotype resolves a taxonomic tangle and reveals an obscure ophthalmosaurid lineage with a wide distribution

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Reptilia	Ichthyosauromorphs	<i>Thalassodraco</i>	<i>Thalassodraco etchesi</i>	新属种	否	United Kingdom	Late Jurassic	PLOS ONE	A new ophthalmosaurid ichthyosaur from the Upper Jurassic (Early Tithonian) Kimmeridge Clay of Dorset, UK, with implications for Late Jurassic ichthyosaur diversity	
		<i>Brevicaudosaurus</i>	<i>Brevicaudosaurus jiyangshanensis</i>	新属种	否	China	Middle Triassic	Journal of Vertebrate Paleontology	A new Ladinian nothosaurid (Sauropterygia) from Fuyuan, Yunnan Province, China	
		<i>Jucha</i>	<i>Jucha squalea</i>	新属种	否	Russia	Early Cretaceous	Zoological Journal of the Linnean Society	A new elasmosaurid plesiosaurian from the Early Cretaceous of Russia marks an early attempt at neck elongation	
	Sauropterygians	<i>Ophthalmomithule</i>	<i>Ophthalmomithule cryostea</i>	新属种	否	Norway	Jurassic-Cretaceous boundary	PeerJ		A new plesiosaurian from the Jurassic-Cretaceous transitional interval of the Slotsmøya Member (Volgian), with insights into the cranial anatomy of cryptochlidids using computed tomography
		<i>Wunyelfia</i>	<i>Wunyelfia maulensis</i>	新属种	否	Chile	Late Cretaceous	Cretaceous Research		<i>Wunyelfia maulensis</i> gen. et sp. nov., a new basal aristonectine (Plesiosauria, Elasmosauridae) from the Upper Cretaceous of central Chile
		<i>Akoranemys</i>	<i>Akoranemys madagasika</i>	新属种	否	Madagascar	Late Cretaceous	Cretaceous Research		A new bothremydid turtle (Pleurodira) from the Upper Cretaceous (Cenomanian) of Madagascar
		<i>Alatochelon</i>	<i>Alatochelon myrteum</i>	新属种	否	Spain	Pliocene	Palaeontology		A large testudinid with African affinities in the post-Messinian (lower Pliocene) record of south-eastern Spain
		<i>Allaeochelys</i>	<i>Allaeochelys liliiae</i>	新种	否	Mexico	Miocene	Journal of South American Earth Sciences		The first Pan-Carettochelys turtle in the Neogene of the American continent and its paleobiogeographical relevance
		<i>Amabilis</i>	<i>Amabilis uchoensis</i>	新属种	否	Brazil	Late Cretaceous	Papers in Palaeontology		A small podocnemidoid (Pleurodira, Pelomedusoides) from the Late Cretaceous of Brazil, and the innervation and carotid circulation of side-necked turtles
		<i>Aragochoersis</i>	<i>Aragochoersis ignitesta</i>	新属种	否	Spain	Early Cretaceous	Cretaceous Research		A new basal turtle represented by the two most complete skeletons of Helocheilydridae in Europe

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Reptilia	Turtles	<i>Axestemys</i>	<i>Axestemys erquelinnensis</i>	新种	否	Belgium	Eocene	Cretaceous Research	A new basal turtle represented by the two most complete skeletons of Helochelydridae in Europe
		<i>Chelonoidis</i>	<i>Chelonoidis alburyorum keegani</i>	新种	否	Turks	Late Holocene	Bulletin of the Florida Museum of Natural History	Extinct tortoises from the Turks and Caicos Islands
		<i>Chelonoidis</i>	<i>Chelonoidis alburyorum sementis</i>	新种	否	Turks	Late Holocene	Bulletin of the Florida Museum of Natural History	Extinct tortoises from the Turks and Caicos Islands
		<i>Chersine</i>	<i>Chersine khosatzkyi</i>	新种	否	Moldova	Early Pliocene	Historical Biology: An International Journal of Paleobiology	First reliable records of the genus Chersine (Testudines: Testudinidae) from the Pliocene of Moldova
		<i>Gallica</i>	<i>Gallica lapparentiana</i>	新属种	否	France	Late Paleocene	Journal of Vertebrate Paleontology	A European Cenozoic 'Macrobaenid': New Data about the Paleocene Arrival of Several Turtle Lineages to Europe
		<i>Itapecuemys</i>	<i>Itapecuemys amazonensis</i>	新属种	否	Brazil	Early Cretaceous	Journal of South American Earth Sciences	A new Cretaceous (Pleurodira: Pelomedusoides) from the Lower Cretaceous of Paraitaba Basin, Brazil
		<i>Jainemys</i>	<i>Jainemys pisdurensis</i>	新属	是	India	Late Cretaceous	PeerJ	A revision of the pelomedusoid turtle <i>Jainemys pisdurensis</i> from the Late Cretaceous (Maastrichtian) Lameta Formation of India
		<i>Lakotemys</i>	<i>Lakotemys australodakotensis</i>	新属种	否	United States	Early Cretaceous	Fossil Record	A new species of baenid turtle from the Early Cretaceous Lakota Formation of South Dakota
		<i>Laurasichersis</i>	<i>Laurasichersis relicta</i>	新属种	否	France	Paleocene	Scientific Reports	Surviving the Cretaceous-Paleogene mass extinction event: A terrestrial stem turtle in the Cenozoic of Laurasia
		<i>Melanochelys</i>	<i>Melanochelys tapani</i>	新种	是	India	Miocene/Pliocene	European Journal of Taxonomy	A taxonomic revision of geoemydid turtles from Siwalik-age of India and Pakistan
		<i>Mesoclemmys</i>	<i>Mesoclemmys vanegasorum</i>	新种	否	Colombia	Laventan	Journal of Vertebrate Paleontology	A new Miocene turtle from Colombia sheds light on the evolutionary history of the extant genus <i>Mesoclemmys</i> Gray, 1873

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Reptilia	Turtles	<i>Patauchelys</i>	<i>Patauchelys montellanoi</i>	新属种	否	Mexico	Late Cretaceous	Cretaceous Research	A new bothremydid turtle (<i>Pleurodira</i>) from the Olmos Formation (upper Campanian) of Coahuila, Mexico	
		<i>Prochelidella</i>	<i>Prochelidella buitrerensis</i>	新种	否	Argentina	Late Cretaceous	Journal of Systematic Palaeontology	Cranial and postcranial remains of a new species of <i>Prochelidella</i> (Testudines: <i>Pleurodira</i> : Chelidae) from 'La Buitrera' (Cenomanian of Patagonia, Argentina), with comments on the monophyly of this extinct chelid genus from southern Gondwana	
		<i>Ragechelus</i>	<i>Ragechelus sahelica</i>	新属种	否	Niger	Late Cretaceous	Geodiversitas	The oldest erymnochelyine turtle skull, <i>Ragechelus sahelica</i> n. gen., n. sp., from the Lullemeden basin, Upper Cretaceous of Africa, and the associated fauna in its geographical and geological context	
		<i>Solnhofia</i>	<i>Solnhofia brachyrhyncha</i>	新种	否	Switzerland	Late Jurassic	PeerJ	A new species of the large-headed coastal marine turtle <i>Solnhofia</i> (<i>Testudinata</i> , <i>Thalassocheilydia</i>) from the Late Jurassic of NW Switzerland	
		<i>Testudo</i>	<i>Testudo hellenica</i>	新种	否	Greece	Miocene	PLOS ONE	The earliest known crown-headed Testudo tortoise from the late Miocene (Vallesian, 9 Ma) of Greece	
		<i>Waluchelys</i>	<i>Waluchelys cavitesta</i>	新属种	否	Argentina	Late Triassic	Papers in Palaeontology	Appearances can be deceptive: bizarre shell microanatomy and histology in a new Triassic turtle (<i>Testudinata</i>) from Argentina at the dawn of turtles	
		<i>Yaminuechelys</i>	<i>Yaminuechelys sulcipectularis</i>	新种	否	Argentina	Late Cretaceous	Cretaceous Research	New species of the long-necked chelid <i>Yaminuechelys</i> from the Upper Cretaceous (Campanian–Maastrichtian) of Chubut, Argentina	
		<i>Carbonodraco</i>	<i>Carbonodraco lundii</i>	新属种	否	United States	Carboniferous	Royal Society Open Science	Correction to "Carbonodraco lundii gen et sp. nov., the oldest parareptile, from Linton, Ohio, and new insights into the early radiation of reptiles"	
			Other reptiles							

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Reptilia	Other reptiles	<i>Elessaurus</i>	<i>Elessaurus gondwanoccidens</i>	新属种	否	Brazil	Early Triassic	PLOS ONE	A new archosauromorph from South America provides insights on the early diversification of tanystropheids
		<i>Eomurruna</i>	<i>Eomurruna yurgensis</i>	新属种	否	Australia	Early Triassic	Zoological Journal of the Linnean Society	A procolophonid reptile from the Lower Triassic of Australia
		<i>Feralisaurus</i>	<i>Feralisaurus corami</i>	新属种	否	United Kingdom	Middle Triassic	Journal of Vertebrate Paleontology	An Enigmatic Neodiapsid Reptile from the Middle Triassic of England
		<i>Gunakadeit</i>	<i>Gunakadeit joseeae</i>	新属种	否	United States	Late Triassic	Scientific Reports	An articulated Late Triassic (Norian) thalattosaurid from Alaska and ecomorphology and extinction of Thalattosauria
		<i>Heishanosaurus</i>	<i>Heishanosaurus pygmaeus</i>	新属种	否	China	Early Cretaceous	Journal of Systematic Palaeontology	A new choristodere (Reptilia: Choristodera) from an Aptian–Albian coal deposit in China
		<i>Lanceosphenodon</i>	<i>Lanceosphenodon ferigoloi</i>	新属种	否	Brazil	Late Triassic/Late Triassic	Journal of Systematic Palaeontology	A new rhynchocephalian from the Late Triassic of southern Brazil enhances eusphenodontian diversity
		<i>Micromenodon</i>	<i>Micromenodon pittii</i>	新属种	否	United States	Late Triassic	Journal of Paleontology	A new early-diverging sphenodontian (Lepidosauria, Rhynchocephalia) from the Upper Triassic of Virginia, U.S.A.
		<i>Oculudentavis</i>	<i>Oculudentavis khaungraae</i>	新属	否	Myanmar	Late Cretaceous	Zoosystema	Nomenclatural consequences of the <i>Oculudentavis khaungraae</i> case, with comments on the practice of 'retraction' of scientific publications
		<i>Oryctorhynchus</i>	<i>Oryctorhynchus bairdi</i>	新属种	否	Canada	Late Triassic	Journal of Vertebrate Paleontology	A new rhynchosaur (Reptilia, Archosauromorpha) from the Upper Triassic of eastern North America
		<i>Raibiania</i>	<i>Raibiania calligarisi</i>	新属种	否	Italy	Late Triassic	Rivista Italiana di Paleontologia e Stratigrafia	<i>Raibiania calligarisi</i> gen. n., sp. n., a new tanystropheid (Diapsida, Tanystropheidae) from the Upper Triassic (Carnian) of northeastern Italy
		<i>Skybalonyx</i>	<i>Skybalonyx skapter</i>	新属种	否	United States	Late Triassic	Journal of Vertebrate Paleontology	Using manual unguial morphology to predict substrate use in the Drepanosauromorpha and the description of a new species
		<i>Smilodonterpeton</i>	<i>Smilodonterpeton ruthimensis</i>	新属种	否	United Kingdom	Late Triassic	Proceedings of the Geologists' Association	Late Triassic island dwarfs? Terrestrial tetrapods of the Ruthin fissure (South Wales, UK) including a new genus of procolophonid

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Reptilia	Other reptiles	<i>Tanystropheus</i>	<i>Tanystropheus hydroides</i>	新种	否	Italy-Switzerland border	Late Triassic	Current Biology	Aquatic habits and niche partitioning in the extraordinarily long-necked Triassic reptile <i>Tanystropheus</i>
		<i>Trilophosaurus</i>	<i>Trilophosaurus phasmalophos</i>	新种	否	United States	Late Triassic	Palaeodiversity	New trilophosaurid species demonstrates a decline in allkotosaur diversity across the Adamanian-Revuelitian boundary in the Late Triassic of western North America
		<i>Vellbergia</i>	<i>Vellbergia bartholomaei</i>	新属种	否	Germany	Middle Triassic	Scientific Reports	A tiny new Middle Triassic stem-lepidosauromorph from Germany: implications for the early evolution of lepidosauromorphs and the Vellberg fauna
Archosaur	Pseudosuchians	<i>Youngetta</i>	<i>Youngetta donghengensis</i>	新属	否	China	Early Triassic	Zoological Journal of the Linnean Society	A procolophonid reptile from the Lower Triassic of Australia
		<i>Alligator</i>	<i>Alligator haitiensis</i>	新种	否	United States	Early Pleistocene	Zootaxa	New early Pleistocene Alligator (<i>Eusuchia</i> : <i>Crocodylia</i>) from Florida bridges a gap in Alligator evolution
		<i>Andriannavoay</i>	<i>Andriannavoay baroni</i>	新属	否	Madagascar	Middle Jurassic	PeerJ	The phylogenetics of <i>Teleosauroida</i> (<i>Crocodylomorpha</i> , <i>Thalattosuchia</i>) and implications for their ecology and evolution
		<i>Bottosaurus</i>	<i>Bottosaurus fustidens</i>	新种	否	United States	Paleocene	Zoological Journal of the Linnean Society	A new species of <i>Bottosaurus</i> (<i>Alligatoroidea</i> : <i>Caimaninae</i>) from the Black Peaks Formation (Palaeocene) of Texas indicates an early radiation of North American caimanines
		<i>Brochuchus</i>	<i>Brochuchus parvidens</i>	新种	否	Kenya	Miocene	Journal of Paleontology	A new crocodylid from the middle Miocene of Kenya and the timing of crocodylian faunal change in the late Cenozoic of Africa
		<i>Charitonosuchus</i>	<i>Charitonosuchus leatsi</i>	新属	否	United Kingdom	Middle Jurassic	PeerJ	The phylogenetics of <i>Teleosauroida</i> (<i>Crocodylomorpha</i> , <i>Thalattosuchia</i>) and implications for their ecology and evolution

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Archosaur	Pseudosuchia	<i>Clovenantaneater</i>	<i>Clovenantaneater stephani</i>	新属	否	United Kingdom	Middle Jurassic	PeerJ	The phylogenetics of Teleosauroida (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution
		<i>Cricosaurus</i>	<i>Cricosaurus puelchorum</i>	新种	否	Argentina	Early Cretaceous	Cretaceous Research	Cricosaurus (Thalattosuchia, Metriorhynchidae) survival across the J/K boundary in the High Andes (Mendoza Province, Argentina)
		<i>Deinosuchus</i>	<i>Deinosuchus schwimmeri</i>	新种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	A systematic review of the giant alligatoroid Deinosuchus from the Campanian of North America and its implications for the relationships at the root of Crocodylia
		<i>Dorbignysuchus</i>	<i>Dorbignysuchus niatu</i>	新属种	否	Bolivia	Paleocene	Zoological Journal of the Linnean Society	The longirostrine crocodyliforms from Bolivia and their evolution through the Cretaceous–Palaeogene boundary
		<i>Dynamosuchus</i>	<i>Dynamosuchus collisensis</i>	新属种	否	Brazil	Late Triassic	Acta Palaeontologica Polonica	The first ornithosuchid from Brazil and its macroevolutionary and phylogenetic implications for Late Triassic faunas in Gondwana
		<i>Indosinosuchus</i>	<i>Indosinosuchus kalastinensis</i>	新种	否	Thailand	Late Jurassic	PeerJ	The phylogenetics of Teleosauroida (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution
		<i>Luciasuchus</i>	<i>Luciasuchus luringq</i>	新属种	否	Bolivia	Paleocene	Zoological Journal of the Linnean Society	The longirostrine crocodyliforms from Bolivia and their evolution through the Cretaceous–Palaeogene boundary
		<i>Melanosuchus</i>	<i>Melanosuchus latrubessei</i>	新种	否	Brazil	Late Miocene	Zootaxa	On a new Melanosuchus species (Alligatoroidea: Caimaninae) from Solimões Formation (Eocene–Pliocene), Northern Brazil, and evolution of Caimaninae
		<i>Neosteneosaurus</i>	<i>Neosteneosaurus edwardsi</i>	新属	否	United Kingdom	Middle Jurassic	PeerJ	The phylogenetics of Teleosauroida (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution
		<i>Ogresuchus</i>	<i>Ogresuchus furatus</i>	新属种	否	Spain	Late Cretaceous	Scientific Reports	A small Cretaceous crocodyliform in a dinosaur nesting ground and the origin of sebecids

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Archosaur	Pseudosuchians	<i>Patulirex</i>	<i>Patulirex vincenti</i>	新属种	是	Australia	Focene Pliocene	PeerJ	Australia's prehistoric 'swamp king': revision of the Plio-Pleistocene crocodylian genus <i>Pallimnarchus</i> de Vis, 1886	
		<i>Plegophilalmesuchus</i>	<i>Plegophilalmesuchus gracilirostris</i>	新属	否	Luxembourg	Early Jurassic	PeerJ	The phylogenetics of <i>Teleosauroida</i> (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution	
		<i>Proexochokefalos</i>	<i>Proexochokefalos heberti</i>	新属	否	France	Middle Jurassic	PeerJ	The phylogenetics of <i>Teleosauroida</i> (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution	
		<i>Rodeosuchus</i>	<i>Rodeosuchus machukiri</i>	新属种	否	Bolivia	Paleocene	Zoological Journal of the Linnean Society	The longirostrine crocodyliiforms from Bolivia and their evolution through the Cretaceous–Palaeogene boundary	
		<i>Seldsienean</i>	<i>Seldsienean megistorhynchus</i>	新属	否	France	Middle Jurassic	PeerJ	The phylogenetics of <i>Teleosauroida</i> (Crocodylomorpha, Thalattosuchia) and implications for their ecology and evolution	
	Birds		<i>Thalattosuchus</i>	<i>Thalattosuchus superciliosus</i>	新属	否	France	Jurassic	Zoological Journal of the Linnean Society	Cutting the Gordian knot: a historical and taxonomic revision of the Jurassic crocodylomorph <i>Metriorhynchus</i>
			<i>Abitusavis</i>	<i>Abitusavis liti</i>	新属种	否	China	Early Cretaceous	Journal of Systematic Palaeontology	Two new Early Cretaceous ornithuromorph birds provide insights into the taxonomy and divergence of Yanornithidae (Aves: Ornithothoraces)
			<i>Aldiomedes</i>	<i>Aldiomedes angustirostris</i>	新属种	否	New Zealand	Late Pliocene	Ibis	A small, narrow-beaked albatross from the Pliocene of New Zealand demonstrates a higher past diversity in the feeding ecology of the Diomedidae
			<i>Antarcticavis</i>	<i>Antarcticavis capelambensis</i>	新属种	否	Antarctica	Late Cretaceous	Cretaceous Research	An enigmatic bird from the lower Maastrichtian of Vega Island, Antarctica
			<i>Asio</i>	<i>Asio ecuadoriensis</i>	新种	否	Ecuador	Late Pleistocene	Journal of Ornithology	Late Pleistocene owls (Aves, Strigiformes) from Ecuador, with the description of a new species

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Archosaur	Birds	<i>Astertornis</i>	<i>Astertornis maastrichtensis</i>	新属种	否	Belgium	Late Cretaceous	Nature	Late Cretaceous neornithine from Europe illuminates the origins of crown birds
		<i>Aviraptor</i>	<i>Aviraptor longicrus</i>	新属种	否	Poland	Oligocene	The Science of Nature	A tiny, long-legged raptor from the early Oligocene of Poland may be the earliest bird-eating diurnal bird of prey
		<i>Buteo</i>	<i>Buteo sanfelipensis</i>	新种	否	Cuba	Quaternary	Zootaxa	The fossil avifauna of the tar seeps Las Breas de San Felipe, Matanzas, Cuba
		<i>Buteogallus</i>	<i>Buteogallus royi</i>	新种	否	Cuba	Quaternary	Zootaxa	The fossil avifauna of the tar seeps Las Breas de San Felipe, Matanzas, Cuba
		<i>Cathartes</i>	<i>Cathartes emsleyi</i>	新种	否	Cuba	Late Pleistocene to Holocene	Bulletin of the British Ornithologists' Club	A new fossil vulture (Cathartidae: Cathartes) from Quaternary asphalt and cave deposits in Cuba
		<i>Chaivireria</i>	<i>Chaivireria bulgarica</i>	新种	否	Bulgaria	Early Pleistocene	Historia naturalis bulgarica	<i>Chaivireria bulgarica</i> sp. n. — an extinct Early Pleistocene small phasianid of Phasianinae Horsfield, 1821 from Bulgaria
		<i>Coragyps</i>	<i>Coragyps seductus</i>	新种	否	Cuba	Quaternary	Zootaxa	The fossil avifauna of the tar seeps Las Breas de San Felipe, Matanzas, Cuba
		<i>Cornus</i>	<i>Cornus bragai</i>	新种	否	South Africa	Plio-Pleistocene transition	Quaternary Science Reviews	Palaeoenvironmental reconstruction of the Cradle of Humankind during the Plio-Pleistocene transition, inferred from the analysis of fossil birds from Member 2 of the hominin-bearing site of Kromdraai (Gauteng, South Africa)
		<i>Cousteauvia</i>	<i>Cousteauvia kustovia</i>	新属种	否	Kazakhstan	Eocene	Acta Palaeontologica Polonica	The oldest diving anseriform bird from the late Eocene of Kazakhstan and the evolution of aquatic adaptations in the intertarsal joint of waterfowl
		<i>Crossvallia</i>	<i>Crossvallia waiparensis</i>	新种	否	New Zealand	Paleocene	Alcheringa: An Australasian Journal of Palaeontology	Leg bones of a new penguin species from the Waipara Greensand add to the diversity of very large-sized Sphenisciformes in the Paleocene of New Zealand
<i>Dobrostormus</i>	<i>Dobrostormus kardamensis</i>	新属种	否	Bulgaria	Middle Miocene	Bulletin of the Natural History Museum - Plovdiv	A New Middle Miocene Starling (Sturnidae Rafinesque, 1815) from Kardam (NE Bulgaria)		

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Archosaur	Birds	<i>Empetrodytes</i>	<i>Empetrodytes okazakii</i>	新属种	否	Japan	Oligocene	Paleontological Research	New species of Plotopteridae (Aves) from the Oligocene Ashiya Group of northern Kyushu, Japan
		<i>Eudiptes</i>	<i>Eudiptes atatu</i>	新种	否	New Zealand	Pliocene	Proceedings of the Royal Society B: Biological Sciences	Ancient crested penguin constrains timing of recruitment into seabird hotspot
		<i>Falcatakely</i>	<i>Falcatakely forsterae</i>	新属种	否	Madagascar	Late Cretaceous	Nature	Late Cretaceous bird from Madagascar reveals unique development of beaks
		<i>Fulica</i>	<i>Fulica montanei</i>	新种	否	Chile	Late Pleistocene-early Holocene	Journal of South American Earth Sciences	The late Pleistocene-early Holocene rails (Gruiformes: Rallidae) of Laguna de Tagua Tagua Formation, central Chile, with the description of a new extinct giant coot
		<i>Gastornis</i>	<i>Gastornis laurenti</i>	新种	否	France	Early Eocene	Geobios	Description of a new species of <i>Gastornis</i> (Aves, Gastornithiformes) from the early Eocene of La Borie, southwestern France
		<i>Gigantohierax</i>	<i>Gigantohierax itchei</i>	新种	否	Cuba	Quaternary	Zootaxa	The fossil avifauna of the tar sheeps Las Breas de San Felipe, Matanzas, Cuba
		<i>Glaucidium</i>	<i>Glaucidium ireneae</i>	新种	否	South Africa	Plio-Pleistocene transition	Quaternary Science Reviews	Palaeoenvironmental reconstruction of the Cradle of Humankind during the Plio-Pleistocene transition, inferred from the analysis of fossil birds from Member 2 of the hominin-bearing site of Kromdraai (Gauteng, South Africa)
		<i>Icterus</i>	<i>Icterus turmalis</i>	新种	否	Peru	Late Pleistocene	The Wilson Journal of Ornithology	New species of troupial (<i>Icterus</i>) and cowbird (<i>Molothrus</i>) from ice-age Peru
		<i>Jacamatia</i>	<i>Jacamatia tuberonensis</i>	新属种	否	France	Early Oligocene	The Auk	An early Oligocene stem Galbulae (jacamars and puffbirds) from southern France, and the position of the Paleogene family Sylphomithidae
		<i>Khingarnornis</i>	<i>Khingarnornis hulunbuirensis</i>	新属种	否	China	Early Cretaceous	Historical Biology: An International Journal of Paleobiology	A new advanced ornithuromorph bird from Inner Mongolia documents the northernmost geographic distribution of the Jehol paleornithofauna in China

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Archosaur	Birds	<i>Kompsornis</i>	<i>Kompsornis longicaudus</i>	新属种	否	China	Early Cretaceous	Journal of Asian Earth Sciences	A new jeholomithiform exhibits the earliest appearance of the fused sternum and pelvis in the evolution of avialan dinosaurs
		<i>Linxiavis</i>	<i>Linxiavis inaquosus</i>	新属种	否	China	Late Miocene	Frontiers in Ecology and Evolution	Evidence of late Miocene peri-Tibetan aridification from the oldest Asian species of sandgrouse (Aves: Pteroclididae)
		<i>Mihvago</i>	<i>Mihvago diaefrancoi</i>	新种	否	Cuba	Quaternary	Zootaxa	The fossil avifauna of the tar seeps Las Breas de San Felipe, Matanzas, Cuba
		<i>Mirusavis</i>	<i>Mirusavis parvus</i>	新属种	否	China	Early Cretaceous	National Science Review	Evolution and distribution of medullary bone: evidence from a new Early Cretaceous enantiornithine bird
		<i>Molothrus</i>	<i>Molothrus resinotus</i>	新种	否	Peru	Late Pleistocene	The Wilson Journal of Ornithology	New species of troupial (Icterus) and cowbird (Molothrus) from ice-age Peru
		<i>Nahmavis</i>	<i>Nahmavis grandei</i>	新属种	否	United States	Early Eocene	Frontiers in Ecology and Evolution	An exceptionally preserved specimen from the Green River Formation elucidates complex phenotypic evolution in Gruiformes and Charadriiformes
		<i>Ornimegalonyx</i>	<i>Ornimegalonyx ewingi</i>	新种	否	Cuba	Quaternary	Bulletin of the British Ornithologists' Club	Remarks on extinct giant owls (Strigidae) from Cuba, with description of a new species of <i>Ornimegalonyx</i> Arredondo
		<i>Palaeoplancus</i>	<i>Palaeoplancus dammani</i>	新种	否	United States	Eocene	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A new species of diurnal birds of prey from the late Eocene of Wyoming (USA) – one of the earliest New World records of the Accipitridae (hawks, eagles, and allies)
		<i>Phasianus</i>	<i>Phasianus bulgaricus</i>	新种	否	Bulgaria	Miocene	Historia naturalis bulgarica	First European Neogene record of true pheasants from Gorna Sushitsa (SW Bulgaria)
		<i>Primopnyx</i>	<i>Primopnyx polioitauros</i>	新属种	否	United States	Eocene	Journal of Vertebrate Paleontology	Skeleton of a new owl from the early Eocene of North America (Aves, Strigiformes) with an accipitrid-like foot morphology

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Archosaur	Birds	<i>Prosobonia</i>	<i>Prosobonia sauli</i>	新种	否	Pitcairn Islands	Holocene	Zoological Journal of the Linnean Society	A new extinct species of Polynesian sandpiper (Charadriiformes: Scolopacidae: Prosobonia) from Henderson Island, Pitcairn Group, and the phylogenetic relationships of Prosobonia
		<i>Similiyanornis</i>	<i>Similiyanornis brevipectus</i>	新属种	否	China	Early Cretaceous	Journal of Systematic Palaeontology	Two new Early Cretaceous ornithuromorph birds provide insights into the taxonomy and divergence of Yanornithidae (Aves: Ornithothoraces)
		<i>Stenornis</i>	<i>Stenornis kannonensis</i>	新属种	否	Japan	Oligocene	Paleontological Research	New species of Plotopteridae (Aves) from the Oligocene Ashiya Group of northern Kyushu, Japan
		<i>Tongoenas</i>	<i>Tongoenas burleyi</i>	新属种	否	Tonga	Pleistocene and Holocene	Zootaxa	A new genus and species of pigeon (Aves, Columbidae) from the Kingdom of Tonga, with an evaluation of hindlimb osteology of columbids from Oceania
		<i>Tyto</i>	<i>Tyto maniola</i>	新种	否	Cuba	Pleistocene	Zootaxa	Systematics and distribution of the living and fossil small barn owls of the West Indies (Aves: Strigiformes: Tytonidae)
		<i>Vinchinavis</i>	<i>Vinchinavis paka</i>	新属种	否	Argentina	Miocene	Journal of South American Earth Sciences	Avian remains from the Toro Negro Formation (Neogene), Central Andes of Argentina
		<i>Voronbe</i>	<i>Voronbe titan</i>	新属	否	Madagascar	Holocene	Royal Society Open Science	Correction to 'Unexpected diversity within the extinct elephant birds (Aves: Aepyornithidae) and a new identity for the world's largest bird
		<i>Wilaru</i>	<i>Wilaru prideauxi</i>	新种	否	Australia	Early Miocene	Royal Society Open Science	Correction to 'The unexpected survival of an ancient lineage of anseriform birds into the Neogene of Australia: the youngest record of Presbyornithidae
		<i>Aerodraco</i>	<i>Aerodraco sedgwickii</i>	新属	否	United Kingdom	Early Cretaceous	Acta Palaeontologica Polonica	A taxonomic and phylogenetic review of the anhanguerid pterosaur group Coloborhynchinae and the new clade Tropeognathinae

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Archosaur	Pterosaurs	<i>Afrotapejara</i>	<i>Afrotapejara zoulhi</i>	新属种	否	Morocco	Cretaceous	Cretaceous Research	A new tapejarid (Pterosauria, Azhdarchoidea) from the mid-Cretaceous Kem Kem beds of Takmout, southern Morocco
		<i>Albadraco</i>	<i>Albadraco tharmisensis</i>	新属种	否	Romania	Late Cretaceous	Cretaceous Research	A new species of large-sized pterosaur from the Maastrichtian of Transylvania (Romania)
		<i>Aptorhamphus</i>	<i>Aptorhamphus gyrostega</i>	新属种	否	Morocco	Middle Cretaceous	Cretaceous Research	A new ?chaoyangopterid (Pterosauria: Pterodactyloidea) from the Cretaceous Kem Kem beds of Southern Morocco
		<i>Ikrandraco</i>	<i>Ikrandraco avatar</i>	新属种	否	China	Early Cretaceous	Scientific Reports	An Early Cretaceous pterosaur with an unusual mandibular crest from China and a potential novel feeding strategy
		<i>Leptostomia</i>	<i>Leptostomia begaensis</i>	新属种	否	Morocco	Cretaceous	Cretaceous Research	A long-billed, possible probe-feeding pterosaur (Pterodactyloidea: ?Azhdarchoidea) from the mid-Cretaceous of Morocco, North Africa
		<i>Luchibang</i>	<i>Luchibang xingzhe</i>	新属种	否	China	Early Cretaceous	Palaeontologia Electronica	An unusual new genus of istiodactylid pterosaur from China based on a near complete specimen
		<i>Luopterus</i>	<i>Luopterus mutoudengensis</i>	新属	否	China	Jurassic	Acta Geologica Sinica (English Edition)	A review of the taxonomy and palaeoecology of the Anurognathidae (Reptilia, Pterosauria)
		<i>Nicorhynchus</i>		新属	否	Morocco	Cretaceous	Acta Palaeontologica Polonica	A taxonomic and phylogenetic review of the anhanguerid pterosaur group Coloborhynchinae and the new clade Tropeognathinae
		<i>Ordosipterus</i>	<i>Ordosipterus planignathus</i>	新属种	否	China	Early Cretaceous	China Geology	First record of Early Cretaceous pterosaur from the Ordos Region, Inner Mongolia, China
		<i>Otogopterus</i>	<i>Otogopterus haoae</i>	新属种	否	China	Early Cretaceous	Earth Science Frontiers	A new Early Cretaceous pterosaur from the Ordos region, Inner Mongolia
		<i>Uktenadactylus</i>	<i>Uktenadactylus rodriguezae</i>	新种	否	United Kingdom	Early Cretaceous	Acta Palaeontologica Polonica	A taxonomic and phylogenetic review of the anhanguerid pterosaur group Coloborhynchinae and the new clade Tropeognathinae
		<i>Wightia</i>	<i>Wightia declivirostris</i>	新属种	否	United Kingdom	Early Cretaceous	Cretaceous Research	First tapejarid pterosaur from the Wessex Formation (Wealden Group: Lower Cretaceous, Barremian) of the United Kingdom

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Archosaur	Other archosauriforms	<i>Polymorphodon</i>	<i>Polymorphodon adorfi</i>	新属种	否	Germany	Middle Triassic(Ladinian)	Journal of Vertebrate Paleontology	A new archosauriform reptile with distinctive teeth from the Middle Triassic (Ladinian) of Germany	
		<i>Rugarhynchos</i>	<i>Rugarhynchos sixmilensis</i>	新属	否	United States	Late Triassic	Journal of Vertebrate Paleontology	A detailed description of <i>Rugarhynchos sixmilensis</i> , gen. et comb. nov. (Archosauriformes, Proterochampsia), and cranial convergence in snout elongation across stem and crown archosaurs	
	Other archosaurs	<i>Kongonaphon</i>	<i>Kongonaphon kely</i>	新属种	否	Madagascar	Mid-to-Late Triassic	Proceedings of the National Academy of Sciences of the United States of America	A tiny ornithomimid archosaur from the Triassic of Madagascar and the role of miniaturization in dinosaur and pterosaur ancestry	
	Non-avian dinosaurs	<i>Abdarainurus</i>	<i>Abdarainurus balt</i>	新属种	否	Mongolia	Late Cretaceous	Journal of Systematic Palaeontology	Journal of Systematic Palaeontology	An unusual new sauropod dinosaur from the Late Cretaceous of Mongolia
		<i>Adraticlit</i>	<i>Adraticlit boulabifa</i>	新属种	否	Morocco	Middle Jurassic	Gondwana Research	Gondwana Research	North Africa's first stegosaur: Implications for Gondwanan thyreophoran dinosaur diversity
		<i>Ajnabia</i>	<i>Ajnabia odysseus</i>	新属种	否	Morocco	Late Cretaceous	Cretaceous Research	Cretaceous Research	The first duckbill dinosaur (Hadrosauridae: Lambeosaurinae) from Africa and the role of oceanic dispersal in dinosaur biogeography
		<i>Allosaurus</i>	<i>Allosaurus jimmdaseni</i>	新种	否	United States	Late Jurassic	PeerJ	PeerJ	Cranial anatomy of <i>Allosaurus jimmdaseni</i> , a new species from the lower part of the Morrison Formation (Upper Jurassic) of Western North America
		<i>Amanzia</i>	<i>Amanzia greppini</i>	新属	否	Switzerland	Late Jurassic	Swiss Journal of Geosciences.	Swiss Journal of Geosciences.	Re-description of the sauropod dinosaur <i>Amanzia</i> (" <i>Ornithopsis/Cetiosauriscus</i> ") <i>greppini</i> n. gen. and other vertebrate remains from the Kimmeridgian (Late Jurassic) Reuchenette Formation of Moutier, Switzerland

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Archosaur	Non-avian dinosaurs	<i>Analong</i>	<i>Analong chuanjiejensis</i>	新属种	否	China	Middle Jurassic	An International Journal of Paleobiology	A revision of the referred specimen of <i>Chuanjiesaurus anaensis</i> Fang et al., 2000: a new early branching mamenchisaurid sauropod from the Middle Jurassic of China
		<i>Anhuilong</i>	<i>Anhuilong diboensis</i>	新属种	否	China	Middle Jurassic	An International Journal of Paleobiology	The second mamenchisaurid dinosaur from the Middle Jurassic of Eastern China
		<i>Aratasaurus</i>	<i>Aratasaurusmus-eunacionali</i>	新属种	否	Brazil	Early Cretaceous	Scientific Reports	The first theropod dinosaur (Coelurosauria, Theropoda) from the base of the Romualdo Formation (Albian), Araripe Basin, Northeast Brazil
		<i>Bagualia</i>	<i>Bagualia alba</i>	新属种	否	Argentina	Early Jurassic	Proceedings of the Royal Society B: Biological Sciences	Extinction of herbivorous dinosaurs linked to Early Jurassic global warming event
		<i>Beg</i>	<i>Beg ise</i>	新属种	否	Mongolia	Latest Early or earliest Late Cretaceous	Communications Biology	A neoceratopsian dinosaur from the Early Cretaceous of Mongolia and the early evolution of Ceratopsia
		<i>Bravasaurus</i>	<i>Bravasaurus arrierosorum</i>	新属种	否	Argentina	Late Cretaceous	Communications Biology	Two Late Cretaceous sauropods reveal titanosaurian dispersal across South America
		<i>Changmiania</i>	<i>Changmiania liaoningensis</i>	新属种	否	China	Early Cretaceous	PeerJ	A new basal ornithopod dinosaur from the Lower Cretaceous of China
		<i>Citipes</i>	<i>Citipes elegans</i>	新属	否	Canada	Late Cretaceous	Vertebrate Anatomy Morphology Palaeontology	Caenagnathids of the Dinosaur Park Formation (Campanian) of Alberta, Canada: anatomy, osteohistology, taxonomy, and evolution
		<i>Dineobellator</i>	<i>Dineobellator notohesperus</i>	新属种	否	United States	Late Cretaceous	Scientific Reports	New dromaeosaurid dinosaur (Theropoda, Dromaeosauridae) from New Mexico and biodiversity of dromaeosaurids at the end of the Cretaceous
		<i>Erythrovenator</i>	<i>Erythrovenator jacuensis</i>	新属种	否	Brazil	Late Triassic	Journal of South American Earth Sciences	A new theropod dinosaur from a peculiar Late Triassic assemblage of southern Brazil

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Archosaur	Non-avian dinosaurs	<i>Garrigatitan</i>	<i>Garrigatitan meridionalis</i>	新属种	否	France	Late Cretaceous	Historical Biology: An International Journal of Paleobiology	A new titanosaur (Dinosauria: Sauropoda) from the Upper Cretaceous of Velaux-La-Bastide Neuve (southern France)
		<i>Huinculsaurus</i>	<i>Huinculsaurus montesi</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	A new abelisauroid (Dinosauria: Theropoda) from the Huincul formation (lower upper Cretaceous, Neuquén Basin) of Patagonia, Argentina
		<i>Irisosaurus</i>	<i>Irisosaurus yimemensis</i>	新属种	否	China	Early Jurassic	Scientific Reports	A new species of early-diverging Sauropodiformes from the Lower Jurassic Fengjiahe Formation of Yunnan Province, China
		<i>Jinbeisaurus</i>	<i>Jinbeisaurus wangi</i>	新属种	否	China	Late Cretaceous	Cretaceous Research	A new tyrannosaurid from the Upper Cretaceous of Shanxi, China
		<i>Kholumulomo</i>	<i>Kholumulomo ellenbergerorum</i>	新属种	否	Lesotho	Late Triassic	Journal of Vertebrate Paleontology	<i>Kholumulomo ellenbergerorum</i> , gen. et sp. nov., a new early sauropodomorph from the lower Elliot Formation (Upper Triassic) of Maphutseng, Lesotho
		<i>Lajasvenator</i>	<i>Lajasvenator ascheriae</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	An Early Cretaceous, medium-sized carcharodontosaurid theropod (Dinosauria, Saurischia) from the Mulichinco Formation (upper Valanginian), Neuquén Province, Patagonia, Argentina
		<i>Lusovenator</i>	<i>Lusovenator santosi</i>	新属种	否	Portugal	Late Jurassic	Journal of Vertebrate Paleontology	A new carcharodontosaurian theropod from the Lusitanian Basin: evidence of allosauroid sympatry in the European Late Jurassic
		<i>Narindasaurus</i>	<i>Narindasaurus thevenini</i>	新属种	否	Madagascar	Middle Jurassic	Zoological Journal of the Linnean Society	Origin and evolution of turiasaur dinosaurs set by means of a new 'rosetta' specimen from Spain
		<i>Navajoceratops</i>	<i>Navajoceratops sullivani</i>	新属种	否	United States	Late Cretaceous	PeerJ	Transitional evolutionary forms in chamosaurine ceratopsid dinosaurs: evidence from the Campanian of New Mexico

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Archosaur	Non-avian dinosaurs	<i>Niebla</i>	<i>Niebla antiqua</i>	新属种	否	Argentina	Late Cretaceous	Journal of South American Earth Sciences	A new medium-sized abelisaurid (Theropoda, Dinosauria) from the Late Cretaceous (Maastrichtian) Allen Formation of Northern Patagonia, Argentina
		<i>Oksoko</i>	<i>Oksoko avarsan</i>	新属种	否	Mongolia	Late Cretaceous	Royal Society Open Science	A new two-fingered dinosaur sheds light on the radiation of Oviraptorosauria
		<i>Omeisaurus</i>	<i>Omeisaurus puxiani</i>	新种	否	China	Middle Jurassic	Historical Biology: An International Journal of Paleobiology	A new species of Omeisaurus (Dinosauria: Sauropoda) from the Middle Jurassic of Yunyang, Chongqing, China fauna
		<i>Overoraptor</i>	<i>Overoraptor chimientoi</i>	新属种	否	Argentina	Late Cretaceous	The Science of Nature	New theropod dinosaur from the Upper Cretaceous of Patagonia sheds light on the paravian radiation in Gondwana
		<i>Paraxenisaurus</i>	<i>Paraxenisaurus normalensis</i>	新属种	否	Mexico	Late Cretaceous	Journal of South American Earth Sciences	<i>Paraxenisaurus normalensis</i> , a large deinocoelid ornithomimosaur from the Cerro del Pueblo Formation (Upper Cretaceous), Coahuila, Mexico
		<i>Punatitan</i>	<i>Punatitan coughlini</i>	新属种	否	Argentina	Late Cretaceous	Communications Biology	Two Late Cretaceous sauropods reveal titanosaurian dispersal across South America
		<i>Riabininohadros</i>	<i>Riabininohadros weberae</i>	新属	否	Ukraine	Late Cretaceous	Paleontological Journal	<i>Riabininohadros</i> , a New Genus for the Ornithischian Dinosaur <i>Orthomerus weberae</i> (Ornithopoda, Iguanodontia) from the Late Cretaceous of Crimea
		<i>Schleithemia</i>	<i>Schleithemia schutzi</i>	新属种	否	Switzerland	Late Triassic	Swiss Journal of Geosciences	A derived sauropodiform dinosaur and other sauropodomorph material from the Late Triassic of Canton Schaffhausen, Switzerland
		<i>Sinankyllosaurus</i>	<i>Sinankyllosaurus zhuchengensis</i>	新属种	否	China	Late Cretaceous	Geological Bulletin of China (in Chinese)	A new ankylosaurian from the Late Cretaceous strata of Zhucheng, Shandong Province
		<i>Smitanosaurus</i>	<i>Smitanosaurus agilis</i>	新属	否	United States	Late Jurassic	Journal of Vertebrate Paleontology	The Late Jurassic sauropod dinosaur ' <i>Morosaurus</i> ' <i>agilis</i> Marsh, 1889 reexamined and reinterpreted as a dicraeosaurid

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Archosaur	Non-avian dinosaurs	<i>Spectrovenator</i>	<i>Spectrovenator ragei</i>	新属种	否	Brazil	Early Cretaceous	Comptes Rendus Palevol	An Early Cretaceous theropod dinosaur from Brazil sheds light on the cranial evolution of the Abelisauridae
		<i>Stellasaurus</i>	<i>Stellasaurus ancillae</i>	新属种	否	United States	Late Cretaceous	Royal Society Open Science	A new, transitional centrosaurine ceratopsid from the Upper Cretaceous Two Medicine Formation of Montana and the evolution of the 'Styracosaurus-line' dinosaurs
		<i>Terminocavus</i>	<i>Terminocavus sealeyi</i>	新属种	否	United States	Late Cretaceous	PeerJ	Transitional evolutionary forms in chasmosaurine ceratopsid dinosaurs: evidence from the Campanian of New Mexico
		<i>Thanatotheristes</i>	<i>Thanatotheristes degrootorum</i>	新属种	否	Canada	Late Cretaceous	Cretaceous Research	A new tyrannosaurine (Theropoda: Tyrannosauridae) from the Campanian Foremost Formation of Alberta, Canada, provides insight into the evolution and biogeography of tyrannosaurids
		<i>Thanos</i>	<i>Thanos simonattoi</i>	新属种	否	Brazil	Late Cretaceous	Historical Biology: An International Journal of Paleobiology	A new Abelisauridae (Dinosauria: Theropoda) from São José do Rio Preto Formation, Upper Cretaceous of Brazil and comments on the Bauru Group fauna
		<i>Tralkasaurus</i>	<i>Tralkasaurus cuyi</i>	新属种	否	Argentina	Late Cretaceous	Journal of South American Earth Sciences	A new abelisaurid from the Huincul Formation (Cenomanian-Turonian; Upper Cretaceous) of Rio Negro province, Argentina
		<i>Trierarchuncus</i>	<i>Trierarchuncus prairiensis</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	New manual unguals of <i>Trierarchuncus prairiensis</i> from the Hell Creek Formation, Montana, and the ontogenetic development of the functional alvarezsaurid hand claw
		<i>Vallibonavenatrix</i>	<i>Vallibonavenatrix cani</i>	新属种	否	Spain	Early Cretaceous	Cretaceous Research	A new spinosaurid theropod (Dinosauria: Megalosauroidea) from the late Barrenian of Vallibona, Spain: Implications for spinosaurid diversity in the Early Cretaceous of the Iberian Peninsula
		<i>Vectaeovenator</i>	<i>Vectaeovenator inopinatus</i>	新属种	否	United Kingdom	Early Cretaceous	Papers in Palaeontology	A highly pneumatic middle Cretaceous theropod from the British Lower Greensand

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Synapsids	Non-mammalian synapsids	<i>Hypslohaptodus</i>	<i>Hypslohaptodus grandis</i>	新属	否	United Kingdom	Permian	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Re-evaluation of an early sphenacodontian synapsid from the Lower Permian of England
		<i>Inditherium</i>	<i>Inditherium floris</i>	新属种	否	India	Late Triassic	Journal of Paleontology	New cynodonts (Therapsida, Eucynodontia) from the Late Triassic of India and their significances
		<i>Kalaallitigun</i>	<i>Kalaallitigun jenkinsi</i>	新属种	否	Greenland	Late Triassic	Proceedings of the National Academy of Sciences of the United States of America	The earliest-known mammaliaform fossil from Greenland sheds light on origin of mammals
		<i>Kataigidodon</i>	<i>Kataigidodon venetus</i>	新属种	否	United States	Late Triassic	Biology Letters	A new non-mammalian eucynodont from the Chinle Formation (Triassic: Norian), and implications for the early Mesozoic equatorial cynodont record
		<i>Kenomagnathus</i>	<i>Kenomagnathus scottae</i>	新属种	否	United States	Carboniferous	Palaeontologia Electronica	A faunivorous early sphenacodontian synapsid with a diastema
		<i>Martenstius</i>	<i>Martenstius bromackerensis</i>	新属种	否	Germany	Permian	Annals of Carnegie Museum	New primitive caseid (Synapsida, Caseasauria) from the Early Permian of Germany
		<i>Nshimbodon</i>	<i>Nshimbodon muchingaensis</i>	新属种	否	Zambia	Late Permian	Journal of Vertebrate Paleontology	A Basal Nonmammaliaform Cynodont from the Permian of Zambia and the Origins of Mammalian Endocranial and Postcranial Anatomy
		<i>Polonodon</i>	<i>Polonodon wozniakensis</i>	新属种	否	Poland	Late Triassic	Historical Biology: An International Journal of Paleobiology	A new early Late Triassic non-mammaliaform eucynodont from Poland
		<i>Remigiomontanus</i>	<i>Remigiomontanus robustus</i>	新属种	否	Germany	Carboniferous-Permian transition	PalZ	Edaphosauridae (Synapsida, Eupelycosauria) from Europe and their relationship to North American representatives
		<i>Rewaconodon</i>	<i>Rewaconodon indicus</i>	新种	否	India	Late Triassic	Journal of Paleontology	New cynodonts (Therapsida, Eucynodontia) from the Late Triassic of India and their significances

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Synapsids	Non-mammalian synapsids	<i>Taoheadon</i>	<i>Taoheadon baizhijuni</i>	新属种	否	China	Late Permian	Journal of Vertebrate Paleontology	Taoheadon baizhijuni, gen. et sp. nov. (Anomodontia, Dicyodontoida), from the upper Permian Sunjiagou Formation of China and its implications	
		<i>Theroteinus</i>	<i>Theroteinus jenkinsi</i>	新种	否	United Kingdom	Late Triassic	Proceedings of the Geologists' Association	New haramiyidan and reptile fossils from a Rhaetian bedded sequence close to the famous 'Microlestes' Quarry of Holwell, UK	
		<i>Tikiodon</i>	<i>Tikiodon cromptoni</i>	新属种	否	India	Late Triassic	Journal of Paleontology	New cynodonts (Therapsida, Eucynodontia) from the Late Triassic of India and their significances	
	Metatherians		<i>Amphidolops</i>	<i>Amphidolops intermedius</i>	新种	否	Argentina	Eocene	Zoological Journal of the Linnean Society	Interrelationships of Polydolopidae (Mammalia: Marsupialia) from South America and Antarctica
			<i>Amphidolops</i>	<i>Amphidolops minimus</i>	新种	否	Argentina	Eocene	Zoological Journal of the Linnean Society	Interrelationships of Polydolopidae (Mammalia: Marsupialia) from South America and Antarctica
			<i>Apetrodon</i>	<i>Apetrodon sortanoi</i>	新属种	否	Argentina	Eocene	Journal of Mammalian Evolution	New small bunodont metatherian from the Late Eocene of the Argentinean Puna
			<i>Aquiladelphis</i>	<i>Aquiladelphis analettris</i>	新种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Geologically oldest Pediomyoidea (Mammalia, Marsupialiformes) from the Late Cretaceous of North America, with implications for taxonomy and diet of earliest Late Cretaceous mammals
			<i>Australogale</i>	<i>Australogale leptognathus</i>	新属种	否	Bolivia	Laventan	Journal of Mammalian Evolution	<i>Australogale leptognathus</i> , gen. et sp. nov., a second species of small sparassodont (Mammalia: Metatheria) from the middle Miocene locality of Quebrada Honda, Bolivia
			<i>Copedelphys</i>	<i>Copedelphys superstes</i>	新种	否	United States	Whitneyan	Journal of Paleontology	Marsupials (Mammalia, Metatheria) from the Brule Formation (Whitneyan, Oligocene) North Dakota
			<i>Eomakhtaira</i>	<i>Eomakhtaira molossus</i>	新属种	否	Chile	Early Oligocene	American Museum Novitates	<i>Eomakhtaira molossus</i> , a new saber-toothed sparassodont (Metatheria: Thylacosmilinae) from the early Oligocene (?Tinguirirican) Cachapoal locality, Andean Main Range, Chile

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Synapsids	Metatherians	<i>Glasbius</i>	<i>Glasbius piceanus</i>	新种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Geologically oldest Peditomyoidea (Mammalia, Marsupialiformes) from the Late Cretaceous of North America, with implications for taxonomy and diet of earliest Late Cretaceous mammals
		<i>Hypodolops</i>	<i>Hypodolops sapoensis</i>	新属种	否	Argentina	Eocene	ological Journal of the Linnean Society	Interrelationships of Polydolopidae (Mammalia: Marsupialia) from South America and Antarctica
		<i>Lekaneleo</i>	<i>Lekaneleo roskellyae</i>	新属	否	Australia	Oligocene–Miocene	Journal of Vertebrate Paleontology	Lekaneleo, a new genus of marsupial lion (Marsupialia, Thylacoleonidae) from the Oligocene–Miocene of Australia, and the craniodental morphology of <i>L. roskellyae</i> , comb. nov
		<i>Mukupirna</i>	<i>Mukupirna nambensis</i>	新属种	否	Australia	Late Oligocene	Scientific Reports	A new family of diprotodontian marsupials from the latest Oligocene of Australia and the evolution of wombats, koalas, and their relatives (Vombatiformes)
		<i>Pujatodon</i>	<i>Pujatodon ektopos</i>	新属种	否	Antarctica	Eocene	Journal of Mammalian Evolution	New metatherian mammal from the early Eocene of Antarctica
		<i>Scalardia</i>	<i>Scalardia martini</i>	新属种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Geologically oldest Peditomyoidea (Mammalia, Marsupialiformes) from the Late Cretaceous of North America, with implications for taxonomy and diet of earliest Late Cretaceous mammals
		<i>Chlamydothra</i>	<i>Chlamydothra dimartini</i>	新属种	否	Argentina	Late Miocene	Journal of Vertebrate Paleontology	A new fairy armadillo (Cingulata, Chlamyphorinae) from the upper Miocene of Argentina: first fossil record of the most enigmatic Xenarthra
		<i>Glyptodon</i>	<i>Glyptodon jatunkirkhi</i>	新种	否	Bolivia	Quaternary	Journal of Systematic Palaeontology	A new species of glyptodontine (Mammalia, Xenarthra, Glyptodontidae) from the Quaternary of the Eastern Cordillera, Bolivia: phylogeny and palaeobiogeography

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Synapsids	Xenarthrans	<i>Magdalenabradys</i>	<i>Magdalenabradys kolossiatia</i>	新属种	否	Colombia	Miocene	Revista Geológica de América Central	Reexaminación de las relaciones de <i>Pseudopreotherium Hoffstetter</i> , 1961, con los perezosos terrestres Mylodontidos del Mioceno del Norte de América del Sur		
		<i>Panochthus</i>	<i>Panochthus florensis</i>	新种	否	Argentina	Late Pleistocene	Journal of South American Earth Sciences	A new species of <i>Panochthus</i> (Xenarthra, Glyptodontidae) from the late Pleistocene of Argentina		
		<i>Prozaedyus</i>	<i>Prozaedyus scillaroyanei</i>	新种	否	Argentina	Miocene	Journal of South American Earth Sciences	A new pygmy armadillo (Cingulata, Euphractinae) from the late Miocene of Andean Argentina reveals an unexpected evolutionary history of the singular <i>Prozaedyus</i> lineage		
		<i>Sibotherium</i>	<i>Sibotherium ka</i>	新属种	否	Argentina	Miocene	Revista Geológica de América Central	Primer registro fósil de un <i>Megatheriidae</i> - <i>Megatheriinae</i> para el Hemphilliano (Mioceno Tardío) de San Gerardo de Limoncito, Formación Currú, Costa Rica		
		<i>Xibalbaonyx</i>	<i>Xibalbaonyx exiniferis</i>	新种	否	Mexico	Pleistocene	Historical Biology: An International Journal of Paleobiology	<i>Xibalbaonyx exiniferis</i> n. sp. (<i>Megalonychidae</i>), a new Pleistocene ground sloth from the Yucatán Peninsula, Mexico		
	Afrotherians		<i>Stylolophus</i>	<i>Stylolophus major</i>	新种	否	Morocco	Eocene	Paleobiology	Extinction of North American <i>Cuvieronius</i> (Mammalia: Proboscidea: Gomphotheriidae) driven by dietary resource competition with sympatric mammoths and mastodons	
			<i>Trichechus</i>	<i>Trichechus hesperamazonicus</i>	新种	否	Brazil	Late Pleistocene	Journal of Vertebrate Paleontology	A new species of <i>Trichechus</i> Linnaeus, 1758 (<i>Sirenia</i> , <i>Trichechidae</i>), from the upper Pleistocene of southwestern Amazonia, and the evolution of Amazonian manatees	
		Bats		<i>Cuvierimops</i>	<i>Cuvierimops penahveri</i>	新种	否	Spain	Early Miocene	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	A relict tropical forest bat assemblage from the early Miocene of the Ribesalbes-Alcóra Basin (Castelló, Spain)

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Synsapsids	Bats	<i>Macroderma</i>	<i>Macroderma handae</i>	新种	否	Australia	Pliocene or early Pleistocene	Records of the Australian Museum	A new species of extinct False Vampire Bat (Megadermatidae: Macroderma) from the Kimberley Region of Western Australia
		<i>Mops</i>	<i>Mops turkwellensis</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Rousettus</i>	<i>Rousettus pattersoni</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Saccolaimus</i>	<i>Saccolaimus kenyensis</i>	新种	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Turkanycteris</i>	<i>Turkanycteris harrisi</i>	新属	否	Kenya	Pliocene	Journal of Human Evolution	Pliocene bats (Chiroptera) from Kanapoi, Turkana Basin, Kenya
		<i>Archaeogaia</i>	<i>Archaeogaia macachaeae</i>	新属种	否	Argentina	Pliocene	Journal of South American Earth Sciences	Archaeogaia macachaeae gen. et sp. nov., one of the oldest Notoungulata Roth, 1903 from the early-middle Paleocene Mealla Formation (Central Andes, Argentina) with insights into the Paleocene-Eocene south American biochronology
Synsapsids	Notoungulates	<i>Juchysyllu</i>	<i>Juchysyllu arenalesensis</i>	新属种	否	Bolivia	Miocene	Ameghiniana	A new tytothere notoungulate (Mammalia: Interatheriidae), from the Miocene Nazareno Formation of southern Bolivia
		<i>Teratopithecus</i>	<i>Teratopithecus elpidophoros</i>	新属种	否	Argentina	Early Eocene	Ameghiniana	Biochron and diversity of Archaeopithecidae (Mammalia, Notoungulata) and a new genus and species from the Eocene of Patagonia, Argentina
		<i>Amynodontopsis</i>	<i>Amynodontopsis jiyuanensis</i>	新种	否	China	Middle Eocene	Vertebrata Palasiatica	A new species of Amynodontopsis (Perissodactyla: Amynodontidae) from the Middle Eocene of Jiyuan, Henan, China
		<i>Dihoplus</i>	<i>Dihoplus bethlehemensis</i>	新种	否	Israel-Palestine border	Pliocene	Quaternary International	A new species of rhinoceros from the site of Bethlehem: "Dihoplus" bethlehemensis sp. nov. (Mammalia, Rhinocerotidae)
Synsapsids	Odd-toed ungulates	<i>Ephyrachyus</i>	<i>Ephyrachyus woodi</i>	新种	否	China	Early-middle Eocene	Communications Biology	The origin of Rhinocerotidae and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)

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Synapsids		<i>Gobioceras</i>	<i>Gobioceras wangi</i>	新属种	否	China	Early Eocene	Communications Biology	The origin of Rhinocerotoida and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)	
		<i>Hyrachyus</i>	<i>Hyrachyus tumidus</i>	新种	否	China	Early-middle Eocene	Communications Biology	The origin of Rhinocerotoida and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)	
		<i>Mesaceraotherium</i>	<i>Mesaceraotherium tschani</i>	新种	否	Switzerland	Eocene	Royal Society Open Science	New material of <i>Epiaceraotherium</i> and a new species of <i>Mesaceraotherium</i> clear up the phylogeny of early Rhinocerotidae (Perissodactyla)	
	Odd-toed ungulates		<i>Rhodopagus</i>	<i>Rhodopagus guoi</i>	新种	否	China	Eocene	Geobios	A late early to early middle Eocene mammal assemblage from Bayan Ulan (Inner Mongolia, China): implication for the reassessment of the Arshantian Asian Land Mammal Age
			<i>Triplopus</i>	<i>Triplopus youjingsensis</i>	新种	否	China	Early Eocene	Communications Biology	The origin of Rhinocerotoida and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)
			<i>Yimengia</i>	<i>Yimengia chaganense</i>	新种	否	China	Early Eocene	Communications Biology	The origin of Rhinocerotoida and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)
	Even-toed ungulates		<i>Yimengia</i>	<i>Yimengia magna</i>	新种	否	China	Early Eocene	Communications Biology	The origin of Rhinocerotoida and phylogeny of Ceratomorpha (Mammalia, Perissodactyla)
			<i>Bubalus</i>	<i>Bubalus murrensis extremus</i>	新种	否	Russia	Late Pleistocene	Paleontological Journal	The new subspecies of the European water buffalo (<i>Artiodactyla</i> , Bovidae) from the Upper Pleistocene of the Russian Plain
			<i>Cervus canadensis</i>	<i>Cervus canadensis combrayicus</i>	新种	否	France	Late Pleistocene	Palaeoworld	A new form of wapiti <i>Cervus canadensis</i> Erxleben, 1777 (Cervidae, Mammalia) from the Late Pleistocene of France
			<i>Geniokeryx</i>	<i>Geniokeryx thailandicus</i>	新属	是	Thailand	Late Eocene	Vertebrata Palasiatica	Taxonomic revision of <i>Anthrakokeryx thailandicus</i> Ducrocq, 1999 (Anthrakotheriidae, Microbunodontinae) from the Upper Eocene of Thailand

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Synsapsids	Even-toed ungulates	<i>Heliosus</i>	<i>Heliosus apophis</i>	新属种	否	United States	Eocene	Paludicola	A new large body helohyid (<i>Artiodactyla</i>) from the Bridgerian middle Eocene Washakie Formation of southern Wyoming
		<i>Metkatius</i>	<i>Metkatius babbiangalensis</i>	新种	否	India	Eocene	Himalayan Geology	New Raoellidae (<i>Artiodactyla</i>) from the Subathu Group (Middle Eocene), Rajouri District, Jammu and Kashmir, India and their significance
		<i>Nyanzachoerus</i>	<i>Nyanzachoerus nakaliensis</i>	新种	否	Kenya	Late Miocene	Paleontological Research	A new species of <i>Nyanzachoerus</i> (Mammalia, <i>Artiodactyla</i> , Suidae, Tetraconodontinae) from the Upper Miocene Nakali Formation, Kenya
		<i>Palemberina</i>	<i>Palemberina deplasi</i>	新属种	否	France	Eocene	Palaeontologia Electronica	A new <i>Cainotherioidea</i> (Mammalia, <i>Artiodactyla</i>) from Palembert (Quercy, SW France): Phylogenetic relationships and evolutionary history of the dental pattern of <i>Cainotheriidae</i>
		<i>Paukkaungmyeryx</i>	<i>Paukkaungmyeryx minutus</i>	新属种	否	France	Eocene	Journal of Vertebrate Paleontology	New basal ruminants from the Eocene of the Pondaung Formation, Myanmar
		<i>Praemuntiacus</i>	<i>Praemuntiacus triangularis</i>	新属种	否	China	Pliocene	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	Deer from the Early Pliocene Prioziornoe, Kuchurgan River Valley (Moldova, Eastern Europe)
		<i>Prolistriodon</i>	<i>Prolistriodon smymensis</i>	新属种	否	Turkey	Early Miocene	Fossil Imprint	Small early Miocene listriodont suid (<i>Artiodactyla</i> : Mammalia) from Sabuncubeli (Manisa, SW Anatolia), Turkey
		<i>Qurlignoria</i>	<i>Qurlignoria chorakensis</i>	新种	否	Turkey	Late Miocene	Palaeoworld	<i>Qurlignoria</i> (Bovidae, Mammalia) from the Upper Miocene of Çorakyerler (Central Anatolia, Turkey) and its biogeographic implications
		<i>Stenomeryx</i>	<i>Stenomeryx bahinensis</i>	新属种	否	Myanmar	Middle Eocene	Journal of Vertebrate Paleontology	New basal ruminants from the Eocene of the Pondaung Formation, Myanmar
		<i>Ankylorhiza</i>	<i>Ankylorhiza tiedemani</i>	新属	否	United States	Oligocene	Current Biology	Convergent evolution of swimming adaptations in modern whales revealed by a large macrophagous dolphin from the Oligocene of South Carolina

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Synapsids	Cetaceans	<i>Antwerpibalaena</i>	<i>Antwerpibalaena liberatlas</i>	新属种	否	Belgium	Pliocene	Journal of Systematic Palaeontology	New Pliocene right whale from Belgium informs balaenid phylogeny and function
		<i>Archaeobalaenoptera</i>	<i>Archaeobalaenoptera liesselensis</i>	新种	否	Netherlands	Miocene	PeerJ	A new species of rorqual whale (Cetacea, Mysticeti, Balaenopteridae) from the Late Miocene of the Southern North Sea Basin and the role of the North Atlantic in the paleobiogeography of Archaeobalaenoptera
		<i>Archaeobalaena</i>	<i>Archaeobalaena dosanko</i>	新属种	否	Japan	Pliocene	Royal Society Open Science	A new member of fossil balaenid (Mysticeti, Cetacea) from the early Pliocene of Hokkaido, Japan
		<i>Atlanticetus</i>	<i>Atlanticetus lavei</i>	新属	否	Italy	Miocene	Papers in Palaeontology	The earliest baleen whale from the Mediterranean: large-scale implications of an early Miocene thalassotherian mysticete from Piedmont, Italy
		<i>Cozzuoliphyseter</i>	<i>Cozzuoliphyseter rionegrensis</i>	新属	否	Argentina	Miocene	Zoological Journal of the Linnean Society	'Aulophyseter' rionegrensis (Cetacea : Odontoceti: Physeteroidea) from the Miocene of Patagonia (Argentina): a reappraisal
		<i>Dolgopolis</i>	<i>Dolgopolis kinchikafforo</i>	新属种	否	Argentina	Miocene	Journal of Mammalian Evolution	First Toothless Platanistoid from the Early Miocene of Patagonia: the Golden Age of Diversification of the Odontoceti
		<i>Ensidelphis</i>	<i>Ensidelphis riveroi</i>	新属种	否	Peru	Miocene	Life	Extensive diversity and disparity of the early Miocene platanistoids (Cetacea, Odontoceti) in the southeastern Pacific (Chileatay Formation, Peru)
		<i>Ensidelphis</i>	<i>Ensidelphis flexirostrum</i>	新属种	否	Peru	Miocene	Life	Extensive diversity and disparity of the early Miocene platanistoids (Cetacea, Odontoceti) in the southeastern Pacific (Chileatay Formation, Peru)
		<i>Marzanoptera</i>	<i>Marzanoptera tersillae</i>	新属种	否	Italy	Pliocene	Zoological Journal of the Linnean Society	Marzanoptera tersillae, a new balaenopterid genus and species from the Pliocene of Piedmont, north-west Italy

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Synapsids	Cetaceans	<i>Norisdelphis</i>	<i>Norisdelphis annakaensis</i>	新属种	否	Japan	Miocene	Journal of Vertebrate Paleontology	Norisdelphis annakaensis, a new Miocene delphinid from Japan
		<i>Perditicetus</i>	<i>Perditicetus yaconensis</i>	新属种	否	United States	Oligocene–Miocene	Journal of Systematic Palaeontology	A new platanistoid, <i>Perditicetus yaconensis</i> gen. et sp. nov. (Cetacea, Odontoceti), from the Chattian–Aquitainian Nye Formation of Oregon
		<i>Platyscaphokogia</i>	<i>Platyscaphokogia landinii</i>	新属种	否	Peru	Miocene	Comptes Rendus Palevol	A new physeteroid from the late Miocene of Peru expands the diversity of extinct dwarf and pygmy sperm whales (Cetacea: Odontoceti: Kogiidae)
		<i>Protororqualus</i>	<i>Protororqualus wilfriedheesi</i>	新种	否	Belgium	Pliocene	PeerJ	A new balaenopterid species from the Southern North Sea Basin informs about phylogeny and taxonomy of <i>Burropus</i> and <i>Protororqualus</i> (Cetacea, Mysticeti, Balaenopteridae)
		<i>Rhaphicetus</i>	<i>Rhaphicetus valenciae</i>	新属种	否	Peru	Miocene	Journal of Systematic Palaeontology	A new longirostrine sperm whale (Cetacea, Physeteroidea) from the lower Miocene of the Pisco Basin (southern coast of Peru)
		<i>Samaydelphis</i>	<i>Samaydelphis chacaltanae</i>	新属种	否	Peru	Miocene	Papers in Palaeontology	A new small, mesorostrine inioid (Cetacea, Odontoceti, Delphinida) from four upper Miocene localities in the Pisco Basin, Peru
		<i>Scaphokogia</i>	<i>Scaphokogia totajpe</i>	新种	否	Peru	Late Miocene	Journal of Vertebrate Paleontology	<i>Scaphokogia totajpe</i> , sp. nov., a new bulky-faced pygmy sperm whale (Kogiidae) from the late Miocene of Peru
		<i>Agriotherium</i>	<i>Agriotherium hendeyi</i>	新种	否	United States	late Hemphillian	Journal of Mammalian Evolution	A new species of <i>Agriotherium</i> from North America, and implications for understanding transformations in the metaconid–entoconid complex of bears
		<i>Aurorarcos</i>	<i>Aurorarcos tirawa</i>	新属种	否	United States	Late Barstovian	Geodiversitas	A new hypercarnivorous mustelid (Mammalia, Carnivora, Mustelidae) from Battallones, late Miocene (MN10), Torrejón de Velasco, Madrid, Spain

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Synapsids	Carnivorans	<i>Canis</i>	<i>Canis borjgali</i>	新种	否	Georgia	Early Pleistocene	Frontiers in Earth Science	The wolf from Dmanisi and Augmented Reality: review, implications and opportunities
		<i>Circamustela</i>	<i>Circamustela peignei</i>	新种	否	Spain	Miocene	Geodiversitas	A new hypercarnivorous mustelid (Mammalia, Carnivora, Mustelidae) from Batallones, late Miocene (MN10), Torrejón de Velasco, Madrid, Spain
		<i>Cryptailurus</i>	<i>Cryptailurus tinaynakti</i>	新种	否	United States	Hemingfordian	Journal of Vertebrate Paleontology	Small carnivoran fauna of the Mascall Formation, Crooked River Basin, central Oregon
		<i>Cynelos</i>	<i>Cynelos stenos</i>	新种	否	United States	Early Miocene	Geodiversitas	A new species of the amphicyonid carnivore <i>Cynelos Jourdan</i> , 1862 from the early Miocene of North America
		<i>Cynodictis</i>	<i>Cynodictis peignei</i>	新种	否	France	Late Eocene to early Oligocene	Geodiversitas	Description of a new species of <i>Cynodictis</i> Bravard & Pomel, 1850 (Carnivora, Mammalia) from the Quercy Phosphorites with comments on the use of skull morphology for phylogenetics
		<i>Eodesmus</i>	<i>Eodesmus condoni</i>	新属种	否	United States	Miocene	Journal of Vertebrate Paleontology	The dawn of Desmatophocidae: a new species of basal desmatophocid seal (<i>Mammalia, Carnivora</i>) from the Miocene of Oregon, U.S.A
		<i>Eomonachus</i>	<i>Eomonachus belegaerensis</i>	新属种	否	New Zealand	Pliocene	Proceedings of the Royal Society B: Biological Sciences	First monk seal from the Southern Hemisphere rewrites the evolutionary history of true seals
		<i>Ferrucyon</i>	<i>Ferrucyon avius</i>	新属	否	Mexico	Pliocene	Journal of Vertebrate Paleontology	The Pliocene canid <i>Cerdocyon avius</i> was not the type of fox that we thought
		<i>Jimomreftu</i>	<i>Jimomreftu lakwanza</i>	新属种	否	Kenya	Paleogene-Neogene boundary	Journal of Vertebrate Paleontology	A transitional mammalian carnivore community from the Paleogene-Neogene boundary in northern Kenya
		<i>Leptoplesictis</i>	<i>Leptoplesictis peignei</i>	新种	否	Thailand	Miocene	American Museum Novitates	The late middle Miocene Mae Moh Basin of northern Thailand: the richest Neogene assemblage of Carnivora from Southeast Asia and a paleobiogeographic analysis of Miocene Asian carnivorans

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Synapsids	Carnivorans	<i>Lycophocyon</i>	<i>Lycophocyon tabrumi</i>	新种	否	United States	Eocene	Paludicola	Eocene and Oligocene mammals from the Gravelly Range of southwest Montana
		<i>Martes</i>	<i>Martes crassidens</i>	新种	否	China	Early Pleistocene	Quaternary International	A new fossil marten from Jinyuan Cave, northeastern China reveals the origin of the Holarctic marten group
		<i>Oriensmilus</i>	<i>Oriensmilus liupanensis</i>	新属种	否	China	Middle Miocene	Journal of Systematic Palaeontology	A new genus and species of sabretooth, <i>Oriensmilus liupanensis</i> (Barbourfelinae, Nimravidae, Carnivora), from the middle Miocene of China suggests barbourfelines are nimravids, not felids
		<i>Osodobenus</i>	<i>Osodobenus eodon</i>	新属种	否	United States	Miocene	Journal of Vertebrate Paleontology	Insights on the dental evolution of walruses based on new fossil specimens from California
		<i>Panthera</i>	<i>Panthera balamoides</i>	新种	否	Mexico	Pleistocene	Historical Biology: An International Journal of Paleobiology	<i>Panthera balamoides</i> and other Pleistocene felids from the submerged caves of Tulum, Quintana Roo, Mexico
		<i>Pontolis</i>	<i>Pontolis barroni</i>	新种	否	United States	Miocene	Journal of Vertebrate Paleontology	Insights on the dental evolution of walruses based on new fossil specimens from California
		<i>Pontolis</i>	<i>Pontolis kohnoi</i>	新种	否	United States	Miocene	Journal of Vertebrate Paleontology	Insights on the dental evolution of walruses based on new fossil specimens from California
		<i>Sarcodectes</i>	<i>Sarcodectes magnus</i>	新属种	否	United States	Pliocene	Inverse	Unusual Teeth Reveal A New Species And A Twist On Evolution
		<i>Siamictis</i>	<i>Siamictis carbonensis</i>	新属种	否	Thailand	Miocene	American Museum Novitates	The late middle Miocene Mae Moh Basin of northern Thailand: the richest Neogene assemblage of Carnivora from Southeast Asia and a paleobiogeographic analysis of Miocene Asian carnivorans

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Synapsids	Carnivorans	<i>Siamogale</i>	<i>Siamogale bounosa</i>	新种	否	Thailand	Miocene	American Museum Novitates	The late middle Miocene Mae Moh Basin of northern Thailand: the richest Neogene assemblage of Carnivora from Southeast Asia and a paleobiogeographic analysis of Miocene Asian carnivorans
		<i>Skopelogale</i>	<i>Skopelogale melitoides</i>	新属种	否	United States	Miocene	Paludicola	Mustelidae from Observation Quarry (early Barstovian) of Nebraska, with comments on Sheep Creek and Lower Snake Creek mustelids
		<i>Storchictis</i>	<i>Storchictis miacinus</i>	新属	否	France	Possibly middle or late Eocene	Fossil Imprint	New genus of amphicyonid carnivoran (Mammalia, Carnivora, Amphicyonidae) from the phosphorites of Quercy (France)
		<i>Tungurictis</i>	<i>Tungurictis peignei</i>	新种	否	China	Middle Miocene	Geodiversitas	A new species of <i>Tungurictis</i> Colbert, 1939 (Carnivora, Hyaenidae) from the middle Miocene of Junggar Basin, northwestern China and the early divergence of basal hyaenids in East Asia
		<i>Vishnuoryx</i>	<i>Vishnuoryx maemohensis</i>	新种	否	Thailand	Miocene	American Museum Novitates	The late middle Miocene Mae Moh Basin of northern Thailand: the richest Neogene assemblage of Carnivora from Southeast Asia and a paleobiogeographic analysis of Miocene Asian carnivorans
	Rodents	<i>Anomalomys</i>	<i>Anomalomys grystivensis</i>	新种	否	Ukraine	Miocene	Historical Biology: An International Journal of Paleobiology	A new late Miocene <i>Anomalomys</i> species from western Ukraine with implications for the diversity and evolution of anomalomyid rodents in Eastern Europe
		<i>Argaleogaulus</i>	<i>Argaleogaulus primitivus</i>	新属种	否	United States	Arikarean	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado

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		<i>Arvicola</i>	<i>Arvicola nahalensis</i>	新种	否	Israel	Late Pleistocene	Historical Biology: An International Journal of Paleobiology	At the southern fringe: extant and fossil water voles of the genus <i>Arvicola</i> (Rodentia, Cricetidae, Arvicolinae) from Israel, with the description of a new species
		<i>Balantimomys</i>	<i>Balantimomys coloradensis</i>	新种	否	United States	Arikarean	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Bibimys</i>	<i>Bibimys massoi</i>	新种	否	Brazil	Late Quaternary	Journal of Mammalogy	A new fossil cricetid (Rodentia, Sigmodontinae) from northeastern Brazil with remarks on small mammal extinctions in the tropical Quaternary
		<i>Borikenomys</i>	<i>Borikenomys praecursor</i>	新属种	否	United States	late Early Oligocene	Proceedings of the Royal Society B: Biological Sciences	Early Oligocene chinchilloid caviomorphs from Puerto Rico and the initial rodent colonization of the West Indies
Synapsids	Rodents	<i>Ceratogaulus</i>	<i>Ceratogaulus cornutasagma</i>	新种	否	United States	middle Clarendonian	Journal of Systematic Palaeontology	A new species of <i>Ceratogaulus</i> from Nebraska and the evolution of nasal horns in Mylagaulidae (Mammalia, Rodentia, Aplodontioidea)
		<i>Cricetodon</i>	<i>Cricetodon venczeli</i>	新种	否	Romania	Miocene	Palaeobiodiversity and Palaeoenvironments	Two new early Sarmatian s. str. (latest middle Miocene) rodent faunas from the Carpathian Basin
		<i>Ctenomys</i>	<i>Ctenomys viarapaensis</i>	新种	否	Argentina	Holocene	Journal of South American Earth Sciences	A new peculiar species of the subterranean rodent <i>Ctenomys</i> (Rodentia, Ctenomyidae) from the Holocene of central Argentina
		<i>cupidiniimus</i>	<i>Cupidiniimus robinsoni</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Entoptychus</i>	<i>Entoptychus rensbergi</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado

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Synapsids	Rodents	<i>Episiphneus</i>	<i>Episiphneus dalianensis</i>	新种	否	China	Late Pliocene	Quaternary International	First discovery of fossil Episiphneus (<i>Myospalacinae</i> , <i>Rodentia</i>) from Northeast China
		<i>Golunda</i>	<i>Golunda aouraghei</i>	新种	否	Morocco	Pliocene-Pleistocene boundary	Journal of Vertebrate Paleontology	<i>Golunda aouraghei</i> , sp. nov., the last representative of the genus <i>Golunda</i> in Africa
		<i>Gregorymys</i>	<i>Gregorymys mixtecorum</i>	新种	否	Mexico	Oligocene	Journal of Paleontology	A new species of the gopher <i>Gregorymys</i> (<i>Rodentia</i> , <i>Geomyidae</i>) from the early Oligocene (Arikarean 1) of southern Mexico
		<i>Gregorymys</i>	<i>Gregorymys montanus</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (<i>Mammalia</i>) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Gregorymys</i>	<i>Gregorymys taveneri</i>	新种	否	United States	Arikarean	Annals of Carnegie Museum	New gophers (<i>Rodentia</i> : <i>Geomyidae</i>) from the Cabbage Patch beds of Montana (Renova Formation) and the phylogenetic relationships within Entoptychinae
		<i>arrymys</i>	<i>Harrymys cyanothos</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (<i>Mammalia</i>) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Honeymys</i>		新属	否	United States	Miocene	Paludicola	A new genus of cricetid rodent (<i>Rodentia</i> : <i>Cricetidae</i>) from the Clarendonian (late Miocene) of North America and a consideration of sigmodontine origins
		<i>Huerzelerimys</i>	<i>Huerzelerimys asiaticus</i>	新种	否	China	Late Miocene	Vertebrata Palasiatica	A Late Miocene <i>Huerzelerimys</i> (<i>Rodentia</i> : <i>Muridae</i>) skull from Hezheng, Gansu, China
		<i>Hystrix</i>	<i>Hystrix brevirostra</i>	新种	否	China	Late Miocene and early Pliocene	Vertebrata Palasiatica	New <i>Hystrix</i> (<i>Hystriidae</i> , <i>Rodentia</i>) from the Neogene of Linxia Basin, Gansu, China

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Synapsids	Rodents	<i>Luanus</i>	<i>Luanus sompalwei</i>	新种	否	Chile	Miocene	Journal of South American Earth Sciences	Late early Miocene caviomorph rodents from Laguna del Laja (~37° S), Cura-Mallin Formation, south-central Chile
		<i>Namaphiomys</i>	<i>Namaphiomys scopulus</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Two new rodents (Rodentia, Mammalia) from the late middle Eocene of Eocliff, Namibia
		<i>Oregonomys</i>	<i>Oregonomys perilaccos</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Paraethomys</i>	<i>Paraethomys baeticus</i>	新种	否	Spain	Pliocene	Acta Palaeontologica Polonica	A new early Pliocene murine rodent from the Iberian Peninsula and its biostatigraphic implications
		<i>Pareumys</i>	<i>Pareumys fymni</i>	新种	否	United States	Eocene	Proceedings of the Biological Society of Washington	New material of fossil rodents (Mammalia) from the Eocene (Bridgerian-Uintian) Washakie Formation, southcentral Wyoming
		<i>Pareumys</i>	<i>Pareumys mufferli</i>	新种	否	United States	Eocene	Paludicola	Eocene and Oligocene mammals from the Gravelly Range of southwest Montana
		<i>Pauromys</i>	<i>Pauromys turnbulli</i>	新种	否	United States	Eocene	Proceedings of the Biological Society of Washington	New material of fossil rodents (Mammalia) from the Eocene (Bridgerian-Uintian) Washakie Formation, southcentral Wyoming
		<i>Perasciuravus</i>	<i>Perasciuravus mcintoshi</i>	新属种	否	United States	Eocene	Annals of Carnegie Museum	A new sciuravid rodent (Mammalia) from the early Eocene (Bridgerian) and the sciuravid-comyid transition
		<i>Petaurista</i>	<i>Petaurista teyukhensis</i>	新种	否	Russia	Late Pleistocene	Palaeoworld	The first fossil Petaurista (Mammalia: Sciuridae) from the Russian Far East and its paleogeographic significance
		<i>Pleurolicus</i>	<i>Pleurolicus compressus</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado

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Synapsids	Rodents	<i>Pleurolicus</i>	<i>Pleurolicus gwinni</i>	新种	否	United States	Arikarean	Annals of Carnegie Museum	New gophers (Rodentia: Geomyidae) from the Cabbage Patch beds of Montana (Renova Formation) and the phylogenetic relationships within Entoptychinae
		<i>Pleurolicus</i>	<i>Pleurolicus mensae</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Pleurolicus</i>	<i>Pleurolicus nelsoni</i>	新种	否	United States	Arikarean	Annals of Carnegie Museum	New gophers (Rodentia: Geomyidae) from the Cabbage Patch beds of Montana (Renova Formation) and the phylogenetic relationships within Entoptychinae
		<i>Pleurolicus</i>	<i>Pleurolicus rensbergi</i>	新种	否	United States	Arikarean	Annals of Carnegie Museum	New gophers (Rodentia: Geomyidae) from the Cabbage Patch beds of Montana (Renova Formation) and the phylogenetic relationships within Entoptychinae
		<i>Protospermophilus</i>	<i>Protospermophilus parvus</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado
		<i>Pseudocylindrodon</i>	<i>Pseudocylindrodon yithesubuenis</i>	新种	否	China	Late Eocene	Palaeobiodiversity and Palaeoenvironments	New late Eocene cylindrodontid rodents from the Erlian Basin (Nei Mongol, China)
		<i>Rupestromys</i>	<i>Rupestromys brevirostris</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Two new rodents (Rodentia, Mammalia) from the late middle Eocene of Eocliff, Namibia
		<i>Schizodontomys</i>	<i>Schizodontomys bareia</i>	新种	否	United States	Late Oligocene	Annals of Carnegie Museum	Rodents (Mammalia) from the Troublesome Formation, Late Oligocene to Miocene (Middle Arikarean–Early Clarendonian) of Colorado

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Synapsids	Other eutherians	<i>Plioblarinella</i>		新属	否	Austria	Pliocene	Palaeontographica Abteilung A	The enamel microstructure of fossil and extant shrews (Soricidae and Heterosoricidae, Mammalia) and its taxonomical significance"
		<i>Proscalops</i>	<i>Proscalops brevidens</i>	新种	否	United States	Oligocene	Paludicola	Mammals from the Blue Ash local fauna (Whitneyan, Oligocene), South Dakota. Insectivorans (Leptictida, Apatotheria, Lipotyphla)
		<i>Pseudobraclytherium</i>	<i>Pseudobraclytherium breve</i>	新属种	否	Uruguay	Miocene	Journal of South American Earth Sciences	A new genus and species and additional reports of the native South American ungulates Protheriidae (Mammalia, Litopterna) in the Late Miocene of Uruguay
		<i>Pseudotrinytus</i>	<i>Pseudotrinytus metaxy</i>	新种	否	United States	Oligocene	Paludicola	Mammals from the Blue Ash local fauna (Whitneyan, Oligocene), South Dakota. Insectivorans (Leptictida, Apatotheria, Lipotyphla)
		<i>Rodcania</i>	<i>Rodcania kakan</i>	新属种	否	Argentina	Paleocene	Journal of Systematic Palaeontology	Phylogenetic relationships and palaeobiology of a new xenungulate (Mammalia: Eutheria) from the Palaeogene of Argentina
		<i>altaodus</i>	<i>altaodus strolli</i>	新属种	否	Argentina	Eocene	Ameghiniana	An Eocene bunodont South American native ungulate (Didolodontidae) from the Lumbraera Formation, Salta Province, Argentina
		<i>Suncus</i>	<i>Suncus homeyi</i>	新种	否	Pakistan	Late Miocene	Paludicola	Siwalik fossil Soricidae: a calibration point for the molecular phylogeny of Suncus
		<i>Tonomochota</i>	<i>Tonomochota khasanensis</i>	新属种	否	Russia	Late Pleistocene	Palaeoworld	A new extinct ochotonid genus from the late Pleistocene of the Russian Far East
		<i>Tonomochota</i>	<i>Tonomochota sikhotana</i>	新属种	否	Russia	Late Pleistocene	Palaeoworld	A new extinct ochotonid genus from the late Pleistocene of the Russian Far East
		<i>Tonomochota</i>	<i>Tonomochota major</i>	新属种	否	Russia	Late Pleistocene	Palaeoworld	A new extinct ochotonid genus from the late Pleistocene of the Russian Far East
		<i>Wyonycteris kingi</i>	<i>Wyonycteris kingi</i>	新种	否	United Kingdom	Paleogene	Proceedings of the Geologists' Association	A mammal fauna from the Paleocene-Eocene Thermal Maximum of Croydon, London, UK

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Synsapsids	Other mammals	<i>Amblotherium</i>	<i>Amblotherium megistodon</i>	新种	否	United States	Late Jurassic	Geology of the Intermountain West	An unusually diverse northern biota from the Morrison Formation (Upper Jurassic), Black Hills, Wyoming
		<i>Bructerodon</i>	<i>Bructerodon alatus</i>	新属种	否	Germany	Early Cretaceous	Cretaceous Research	First multituberculate mammals from the Lower Cretaceous of Germany
		<i>Cheruscodon</i>	<i>Cheruscodon balvensis</i>	新属种	否	Germany	Early Cretaceous	Cretaceous Research	First multituberculate mammals from the Lower Cretaceous of Germany
		<i>Cryoharamiya</i>	<i>Cryoharamiya tarda</i>	新属种	否	Russia	Early Cretaceous	Journal of Vertebrate Paleontology	A new euharamiyidan mammaliaform from the Lower Cretaceous of Yakutia, Russia
		<i>Dolichopriion</i>	<i>Dolichopriion</i>	新属种	否	China	Early Cretaceous	Journal of Mammalian Evolution	A new cobaatarid multituberculate (Mammalia) from the Lower Cretaceous Fuxin Formation, Fuxin-Jinzhou Basin, Liaoning, northeastern China
		<i>Filikomys</i>	<i>Filikomys primaevus</i>	新属种	否	Canada	Late Cretaceous	Nature Ecology & Evolution	Early mammalian social behaviour revealed by multituberculates from a dinosaur nesting site
		<i>Fuxinoconodon</i>	<i>Fuxinoconodon changi</i>	新属种	否	China	Early Cretaceous	Vertebrata Palasiatica	New gobiconodontid (Eutriconodonta, Mammalia) from the Lower Cretaceous Shahai and Fuxin formations, Liaoning, China
		<i>Magallanodon</i>	<i>Magallanodon gerriti</i>	新属种	否	Australia	Early Cretaceous	Biological consequences of plate tectonics. New perspectives on post-Gondwana breakup—A tribute to Ashok Sahni	A third, remarkably small, tribosphenic mammal from the Mesozoic of Australia
		<i>Magallanodon</i>	<i>Magallanodon baikashkenke</i>	新属种	否	Argentina	Late Cretaceous	Boletín del Museo Nacional de Historia Natural, Chile	First Mesozoic mammal from Chile: the southernmost record of a Late Cretaceous gondwanatherian
		<i>Origolestes</i>	<i>Origolestes lii</i>	新属种	否	China	Early Cretaceous	Science	Integrated hearing and chewing modules decoupled in a Cretaceous stem therian mammal
<i>Sinobaatar</i>	<i>Sinobaatar pani</i>	新种	否	China	Early Cretaceous	National Science Review	Exploring ancestral phenotypes and evolutionary development of the mammalian middle ear based on Early Cretaceous Jehol mammals		

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Fishes	Jawless vertebrates	<i>Falxcormus</i>	<i>Falxcormus liui</i>	新属种	否	China	Devonian	Historical Biology	"Falxcormus, a new genus of Tridensaspidae (Galeaspida, stem-Gnathostomata) from the Lower Devonian in Qujing, Yunnan, China"	
		<i>Hongshanaspis</i>	<i>Hongshanaspis inexpectatus</i>	新属种	否	China	Silurian	Earth Science	New Material of Galeaspids from the Silurian Llandovery in Wuhan of South China	
		<i>Jiangxialepis</i>	<i>Jiangxialepis retrospina</i>	新属种	否	China	Silurian	Journal of Systematic Palaeontology	The oldest eugaleaspiform (Galeaspida) from the Silurian Fentou Formation (Telychian, Llandovery) of Wuhan, South China	
		<i>Qushiaspis</i>	<i>Qushiaspis elaita</i>	新属种	否	China	Devonian	Historical Biology	Qushiaspis, a new genus of gantarostrataspid fish (galeaspida, stem-gnathostomata) from the Lower Devonian of Yunnan, China	
	Placoderms		<i>Bianchengichthys</i>	<i>Bianchengichthys micros</i>	新属种	否	China	Silurian	Current Biology	A new Silurian fish close to the common ancestor of modern gnathostomes
			<i>Leptodontichthys</i>	<i>Leptodontichthys ziregensis</i>	新属种	否	Morocco	Devonian	Swiss Journal of Palaeontology	A large Middle Devonian eubrachiorthacid 'placoderm' (Arthrodira) jaw from northern Gondwana
			<i>Dobunnacanthus</i>	<i>Dobunnacanthus waynensis</i>	新属	是	United Kingdom	Devonian	Papers in Palaeontology	A revision of Vermicomacanthus Miles with comments on the characters of stem-group chondrichthyans
	Acanthodians		<i>Nostolepis</i>	<i>Nostolepis qujingensis</i>	新种	否	China	Devonian	Papers in Palaeontology	Nostolepis scale remains (stem Chondrichthyes) from the Lower Devonian of Qujing, Yunnan, China"
			<i>Nostolepis</i>	<i>Nostolepis digitus</i>	新种	否	China	Devonian	Papers in Palaeontology	Nostolepis scale remains (stem Chondrichthyes) from the Lower Devonian of Qujing, Yunnan, China"
			<i>Aquilolamna</i>	<i>Aquilolamna milarcae</i>	新属种	否	Mexico	Late Cretaceous	Science	Manta-like planktivorous sharks in Late Cretaceous oceans
	Cartilaginous fishes		<i>Carcharhinus</i>	<i>Carcharhinus dudoni</i>	新种	否	France	Miocene	Revue française de paléontologie	Des dents de requins fossiles. 10. Nouvelles espèces de Carcharhinidae du Miocène de l'Ouest de la France
			<i>Carcharhinus</i>	<i>Carcharhinus pedronii</i>	新种	否	France	Miocene	Revue française de paléontologie	Des dents de requins fossiles. 11. Nouvelles espèces de Carcharhinidae du Miocène de l'Ouest de la France
			<i>Carcharhinus</i>	<i>Carcharhinus tingae</i>	新种	否	United States	Eocene	Cainozoic Research	New Paleogene elasmobranch (Chondrichthyes) records from the Gulf Coastal Plain of the United States, including a new species of Carcharhinus de Blainville, 1816

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Fishes	Cartilaginous fishes	<i>Cladodus</i>	<i>Cladodus gailensis</i>	新种	否	Austria	Carboniferous	Journal of Vertebrate Paleontology	Scarce ctenacanthiform sharks from the Mississippian of Austria with an analysis of Carboniferous elasmobranch diversity in response to climatic and environmental changes
		<i>Dracopristis</i>	<i>Dracopristis hoffmanorum</i>	新属种	否	United States	Late Carboniferous	New Mexico Museum of Natural History and Science Bulletin	Ctenacanthiform sharks from the late Pennsylvanian (Missourian) Timajas Member of the Atrasado Formation, Central New Mexico
		<i>Durnonovariaodus</i>	<i>Durnonovariaodus maiseyi</i>	新属种	否	United Kingdom	Late Jurassic	PeerJ	Durnonovariaodus maiseyi gen. et sp. nov., a new hybodontiform shark-like chondrichthyan from the Upper Jurassic Kimmeridge Clay Formation of England
		<i>Favusodus</i>	<i>Favusodus orientalis</i>	新属种	否	China	Triassic	Papers in Palaeontology	An unusual shark assemblage from the Ladinian-Carnian interval of South China
		<i>Keichouodus</i>	<i>Keichouodus nimaiguensis</i>	新属种	否	China	Triassic	Papers in Palaeontology	An unusual shark assemblage from the Ladinian-Carnian interval of South China
		<i>Rosaodus</i>	<i>Rosaodus xingyiensis</i>	新属种	否	China	Triassic	Papers in Palaeontology	An unusual shark assemblage from the Ladinian-Carnian interval of South China
		<i>Junggarensis</i>	<i>Junggarensis ambiguus</i>	新属种	否	Mongolia	Devonian	Palaeobiodiversity and Palaeoenvironments	Vertebrate microremains from the Late Devonian (Famennian) of western Mongolia
		<i>Keuperodus</i>	<i>Keuperodus brodtiei</i>	新属	是	United Kingdom	Carnian	Journal of Vertebrate Paleontology	Youngest jalodontid shark from the Triassic of Europe and a revision of the Jalodontidae". Journal of Vertebrate Paleontology
		<i>Lilamna</i>	<i>Lilamna apophysata</i>	新属	否	China	late Eocene or Cretaceous	Zoosystematica Rossica	<i>Lilamna</i> nom. nov., a new replacement name for <i>Archaeolamna</i> Li, 1997 (Chondrichthyes: Lamniformes: ? Pseudoscapanorhynchidae)
		<i>Maiseyodus</i>	<i>Maiseyodus whitei</i>	新属种	否	Australia		Ancient Fishes and their Living Relatives: a Tribute to John G. Maisey, Munich, Germany: Verlag Dr. Friedrich Pfeil	Fossil chondrichthyan remains from the Middle Devonian Kevington Creek Formation, South Blue Range, Victoria
		<i>Moskovirhynchus</i>	<i>Moskovirhynchus robustus</i>	新属种	否	Russia	Jurassic	Paleontological Journal	A new genus of elephant fish (Holocephali: Callorhynchidae) from the Late Jurassic of Central Russia

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Fishes	Cartilaginous fishes	<i>Nebriimimus</i>	<i>Nebriimimus wardi</i>	新属种	否	Italy	Pliocene	PalZ	"Remarkable multicuspid teeth in a new elusive skate (Chondrichthyes, Rajiformes) from the Mediterranean Pliocene"
		<i>Negaprion</i>	<i>Negaprion cossardi</i>	新种	否	France	Miocene	Fossiles. Revue française de paléontologie	Des dents de requins fossiles. 10. Nouvelles espèces de Carcharhinidae du Miocène de l'Ouest de la France
		<i>Phoebodus</i>	<i>Phoebodus curvatus</i>	新种	否	Australia	Devonian	Paleontological Journal	A new phoebodontid shark from the Devonian of the Urals and the distribution of Phoebodus species
		<i>Protochimaera</i>	<i>Protochimaera mirabilis</i>	新属种	否	"Russia"	Carboniferous	Journal of Systematic Palaeontology	The earliest chimaeriform fish from the Carboniferous of Central Russia
		<i>Pseudocorax</i>	<i>Pseudocorax kindlimanni</i>	新种	否	Lebanon	Late Cretaceous	Cretaceous Research	Skeletal remains of the oldest known pseudocoracid shark <i>Pseudocorax kindlimanni</i> sp. nov. (Chondrichthyes, Lamniformes) from the Late Cretaceous of Lebanon
		<i>Psychodus</i>	<i>Psychodus latissimus</i>	新种	否	Morocco	Late Cretaceous	Journal of African Earth Sciences	A new cuspidate psychodontid shark (Chondrichthyes; Elasmobranchii), from the Upper Cretaceous of Morocco with comments on tooth functionalities and replacement patterns
		<i>Reifella</i>	<i>Reifella lata</i>	新属种	否	United States	Permian	Micropaleontology	Fish Microremains from the Cutoff Formation (Roadian, Middle Permian) of the Guadalupe Mountains, West Texas, USA
		<i>Strophodus</i>	<i>Strophodus indicus</i>	新种	否	India	Middle Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A small assemblage of marine hybodont sharks from the Bathonian of the Jaisalmer Basin, India
		<i>Strophodus</i>	<i>Strophodus jaisalmerensis</i>	新种	否	India	Jurassic	Papers in Palaeontology	Hybodont sharks from the Jurassic of Jaisalmer, western India
		<i>Taeniurops</i>	<i>Taeniurops sergiomorai</i>	新种	否	Costa Rica	Miocene-Pliocene	Revista Geológica de América Central	Revisión del estatus taxonómico de los Batomorphii fósiles de la cuenca Limón Sur, Costa Rica y descripción de una nueva especie de Dasyatidae
		<i>Triodus</i>	<i>Triodus aeduiorum</i>	新种	否	France	Permian	Journal of Vertebrate Paleontology	A new <i>Triodus</i> shark species (Xenacanthidae, Xenacanthiformes) from the lowermost Permian of France and its paleobiogeographic implications

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Fishes	Cartilaginous fishes	<i>Vallisodus</i>		新属	否	United Kingdom	Late Triassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A replacement name for the preoccupied genus name <i>Vallisia</i> Duffin, 1982 (Chondrichthyes: <i>Neoselachii</i>)
		<i>Agonopsis</i>	<i>Agonopsis cume</i>	新种	否	Chile	Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
	<i>Achirus</i>	<i>Achirus chungkuz</i>	新种	否	Chile	Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Achirus</i>	<i>Achirus australis</i>	新种	否	Chile	Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Capromimus</i>	<i>Capromimus undulatus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Chiloconger</i>	<i>Chiloconger chilensis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Citharichthys</i>	<i>Citharichthys parvisulcus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Citharichthys</i>	<i>Citharichthys vergensis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Coelorinchus</i>	<i>Coelorinchus fidelis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Coelorinchus</i>	<i>Coelorinchus rapelanus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Cottunculus</i>	<i>Cottunculus primaevus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	
	<i>Gnathophipis</i>	<i>Gnathophipis quinzioti</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific	

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Fishes	Ray-finned fishes	<i>Kuhlia</i>	<i>Kuhlia orientalis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Lampanyctus</i>	<i>Lampanyctus ipunensis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Lepophidium</i>	<i>Lepophidium chonorum</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Lepophidium</i>	<i>Lepophidium mapucheorum</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Maurolicus</i>	<i>Maurolicus brevirostris</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Navidadichthys</i>	<i>Navidadichthys mirus</i>	新属种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Nezumia</i>	<i>Nezumia epuge</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Paracarapus</i>	<i>Paracarapus chilensis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Physiculus</i>	<i>Physiculus pich</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Polyipmus</i>	<i>Polyipmus bandeli</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Pseudomus</i>	<i>Pseudomus humilis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Pterothrissus</i>	<i>Pterothrissus transpacificus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Pythonicthys</i>	<i>Pythonicthys panulus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific

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Fishes	Ray-finned fishes	<i>Rhynchoconger</i>	<i>Rhynchoconger chiloensis</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Sirembola</i>	<i>Sirembola supersa</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Spectrunculus</i>	<i>Spectrunculus sparsus</i>	新种	否	Chile	Early Miocene	Swiss Journal of Palaeontology	Fish otoliths from the early Miocene of Chile: a window into the evolution of marine bony fishes in the Southeast Pacific
		<i>Agoutipycnodus</i>	<i>Agoutipycnodus aldrovandii</i>	新属种	否	Morocco	Late Cretaceous	Geo-Eco-Trop	Osteology and phylogenetic relationships of <i>Agoutipycnodus aldrovandii</i> gen. and sp. nov., a new pycnodont fish genus (Pycnodontidae) from the marine Upper Cretaceous of Morocco
		<i>Allilepis</i>	<i>Allilepis texasensis</i>	新种	否	United States	Permian	Micropaleontology	Fish Microremains from the Cutoff Formation (Roadian, Middle Permian) of the Guadalupe Mountains, West Texas, USA
		<i>Anomoedus</i>	<i>Anomoedus caddoi</i>	新种	否	United States	Early Cretaceous	PeerJ	A new vertebrate fauna from the Lower Cretaceous Holly Creek Formation of the Trinity Group, southwest Arkansas, USA
		<i>Aphanolebias</i>	<i>Aphanolebias bettinae</i>	新种	否	Serbia	Miocene	Geološki anali Balkanskoga poluostrva	Middle Miocene otoliths of freshwater fishes from the Vračević Lake (Serbian Lake System)
		<i>Toxopyge</i>	<i>Toxopyge vracevicensis</i>	新种	否	Serbia	Miocene	Geološki anali Balkanskoga poluostrva	Middle Miocene otoliths of freshwater fishes from the Vračević Lake (Serbian Lake System)
		<i>Klincigobus</i>	<i>Klincigobus haraldahmelti</i>	新种	否	Serbia	Miocene	Geološki anali Balkanskoga poluostrva.	Middle Miocene otoliths of freshwater fishes from the Vračević Lake (Serbian Lake System)
		<i>Apuliadercetus</i>	<i>Apuliadercetus gonzalezae</i>	新种	否	Mexico	Late Cretaceous	Cretaceous Research	<i>Apuliadercetus gonzalezae</i> sp. nov., a North American Campanian dercetid fish (Teleostei, Aulopiiformes) from Tzimol, Chiapas, Mexico
		<i>Archaeomaacruroides</i>	<i>Archaeomaacruroides vankaiippenbergi</i>	新种	否	Belgium	Late Cretaceous	Cretaceous Research	Silicified otoliths from the Maastrichtian type area (Netherlands, Belgium) document early gadiform and perciform fishes during the Late Cretaceous, prior to the K/Pg boundary extinction event

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Fishes Ray-finned fishes		<i>Cretaserranus</i>	<i>Cretaserranus maastrichtiensis</i>	新属种	否	Belgium	Late Cretaceous	Cretaceous Research	Silicified otoliths from the Maastrichtian type area (Netherlands, Belgium) document early gadiform and perciform fishes during the Late Cretaceous, prior to the K/Pg boundary extinction event
		<i>Rhinocephalus</i>	<i>Rhinocephalus cretaceus</i>	新种	否	Belgium	Late Cretaceous	Cretaceous Research	Silicified otoliths from the Maastrichtian type area (Netherlands, Belgium) document early gadiform and perciform fishes during the Late Cretaceous, prior to the K/Pg boundary extinction event
		<i>Ariosoma</i>	<i>Ariosoma mesohellenica</i>	新种	否	Greece	Miocene	Fossil Record	At the crossroads: early Miocene marine fishes of the proto-Mediterranean Sea
		<i>Gnathophis</i>	<i>Gnathophis elongatus</i>	新种	否	Chile	Early Miocene	Fossil Record	At the crossroads: early Miocene marine fishes of the proto-Mediterranean Sea
		<i>Austelliscus</i>	<i>Austelliscus ferox</i>	新属种	否	Brazil	Middle Devonian or older	Biology Letters	The oldest Devonian circumpolar ray-finned fish
		<i>Auxis</i>	<i>Auxis koreanus</i>	新种	否	South Korea	Middle Miocene	Bollettino della Società Paleontologica Italiana	First discovery of the genus <i>Auxis</i> (Actinopterygii: Scombridae) in the Neogene of South Korea
		<i>Bardaekichthys</i>	<i>Bardaekichthys carteri</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	A new ichthyodectiform fish (Actinopterygii: Teleostei) from the Arlington Member (mid-Cenomanian) of the Upper Cretaceous Woodbine Formation in Texas, USA
		<i>Bobbitichthys</i>		新属	否	Denmark	Paleocene	Bulletin of the Geological Society of Denmark	A tale from the middle Paleocene of Denmark: A tube-dwelling predator documented by the ichnofossil <i>Lepidenteron mortenseni</i> n. isp. and its predominant prey, <i>Bobbitichthys</i> n. gen. rosenkrantzi (Macroridae, Teleostei)
		<i>Brauccipycnodus</i>	<i>Brauccipycnodus pillae</i>	新属	否	Italy	Early Cretaceous	Geo-Eco-Trop	Osteology and relationships of <i>Brauccipycnodus pillae</i> gen. nov. from the Albian (Lower Cretaceous) of Pietraraja (Campania, southern Italy)
		<i>Briveichthys</i>	<i>Briveichthys chantepieorum</i>	新属种	否	France	Permian	Fossil Imprint	New actinopterygians from the Permian of the Brive Basin, and the ichthyofaunas of the French Massif Central
		<i>Cheirolepis</i>	<i>Cheirolepis jonesi</i>	新种	否	Norway	Devonian	Norwegian Journal of Geology	A new actinopterygian <i>Cheirolepis jonesi</i> nov. sp. from the Givetian of Spitsbergen, Svalbard

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Fishes	Ray-finned fishes	<i>Choichix</i>	<i>Choichixahvaradoi</i>	新属种	否	Mexico	Late Cretaceous	Papers in Palaeontology	A new Cenomanian acanthomorph fish from the El Chango quarry (Chiapas, south-eastern Mexico) and its implications for the early diversification and evolutionary trends of acanthopterygians
		<i>Clarotes</i>	<i>Clarotes eocenicus</i>	新种	否	Egypt	“Late Eocene”	Journal of Vertebrate Paleontology	A new species of clarioid catfish (Siluriformes: Claroteidae) from the Eocene of Egypt, (Africa) indicates continental differences in tempo of catfish evolution
		<i>Coccolepis</i>	<i>Coccolepis solnhofensis</i>	新种	否	Germany	Late Jurassic	Acta Palaeontologica Polonica	Diversity of chondrosteian fish <i>Coccolepis</i> from the Late Jurassic Solnhofen Archipelago, Southern Germany
		<i>Ctenopharyngodon</i>	<i>Ctenopharyngodon xijiaensis</i>	新种	否	China	Miocene	Science China Earth Sciences	Fossil pharyngeal teeth of grass carp group and their implications for evolution, temporal and spatial distribution pattern, and paleoenvironment
		<i>Ctenopharyngodon</i>	<i>Ctenopharyngodon orientalis</i>	新种	否	China	lower Miocene	Science China Earth Sciences	Fossil pharyngeal teeth of grass carp group and their implications for evolution, temporal and spatial distribution pattern, and paleoenvironment
		<i>Dezaoia</i>	<i>Dezaoia sainfaquensis</i>	新属种	否	China	Oligocene	Science China Earth Sciences	Fossil pharyngeal teeth of grass carp group and their implications for evolution, temporal and spatial distribution pattern, and paleoenvironment
		<i>Eoctenopharyngodon</i>	<i>Eoctenopharyngodon liui</i>	新属种	否	China	upper Oligocene	Science China Earth Sciences	Fossil pharyngeal teeth of grass carp group and their implications for evolution, temporal and spatial distribution pattern, and paleoenvironment
		<i>Diastemapycnodus</i>	<i>Diastemapycnodus tavernensis</i>	新属种	否	Egypt	Late Cretaceous	Historical Biology	<i>Diastemapycnodus tavernensis</i> gen. et sp. nov. (Actinopterygii, †Pycnodontiformes) from the marine Maastrichtian (Late Cretaceous) of the Dakhla Formation, Western Desert, Egypt
		<i>Elongofuro</i>	<i>Elongofuro augustigli</i>	新种	否	Germany	Late Jurassic	Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	A new Ophiopsiformes (Halecomorphi, Neopterygii) from the Upper Jurassic of Nusplingen (Germany) and a comparison of Kimmeridgian Ophiopsiformes from Nusplingen with Tithonian taxa from the Solnhofen Archipelago
		<i>Eotexachara</i>	<i>Eotexachara malateres</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	New early Campanian characiform fishes (Otophysi: Characiformes) from west Texas support a South American origin for known Late Cretaceous characiforms from North America

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Fishes	Ray-finned fishes	<i>Primuluchara</i>	<i>Primuluchara laramidensis</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	New early Campanian characiform fishes (Otophysi: Characiformes) from west Texas support a South American origin for known Late Cretaceous characiforms from North America
		<i>Feroxichthys panzhouensis</i>	<i>Feroxichthys</i>	新种	否	China	“Middle Triassic”	PeerJ	<i>Feroxichthys panzhouensis</i> sp. nov., a hump-backed colobodontid (Neopterygii, Actinopterygii) from the early Middle Triassic of Panzhou, Guizhou, China
		<i>Gobiosoma</i>	<i>Gobiosoma Axsmithi</i>	新种	否	USA	Oligocene	Acta Geologica Polonica	Marine fishes (Elasmobranchii, Teleostei) from the Glendon Limestone Member of the Byram Formation (Oligocene, Rupelian) at site AWa-9, Washington County, Alabama, USA, including a new species of gobiid (Gobiiformes: Gobiidae)
		<i>Guiclupea</i>	<i>Guiclupea superstes</i>	新属种	否	China	Oligocene	PeerJ	<i>Guiclupea superstes</i> , gen. et sp. nov., the youngest elimmichthyiform (clupeomorph) fish to date from the Oligocene of South China
		<i>Hellenigobius</i>	<i>Hellenigobius praeschismatus</i>	新属种	否	Greece	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Teleost otoliths from the Aquitanian (early Miocene) of the Felli section in Greece: the roots of the Mediterranean goby stock (Gobiidae, Gobiiformes)
		<i>Plesiogobius</i>	<i>Plesiogobius jellensis</i>	新属种	否	Greece	Miocene	Rivista Italiana di Paleontologia e Stratigrafia	Teleost otoliths from the Aquitanian (early Miocene) of the Felli section in Greece: the roots of the Mediterranean goby stock (Gobiidae, Gobiiformes)
		<i>Katyagobius</i>	<i>Katyagobius prikytli</i>	新属种	否	Moldova	“Miocene”	PalZ	Diversity of gobioid fishes in the late middle Miocene of northern Moldova, Eastern Paratethys – part I: an extinct clade of Lesueurigobius look-alikes
		<i>Sarmatigobius</i>	<i>Sarmatigobius compactus</i>	新属种	否	Moldova	Middle Triassic	PalZ	Diversity of gobioid fishes in the late middle Miocene of northern Moldova, Eastern Paratethys – part I: an extinct clade of Lesueurigobius look-alikes
		<i>Yarigobius</i>	<i>Yarigobius decoratus</i>	新属种	否	Moldova	“Miocene”	PalZ	Diversity of gobioid fishes in the late middle Miocene of northern Moldova, Eastern Paratethys – part I: an extinct clade of Lesueurigobius look-alikes
		<i>Krumvirichthys</i>	<i>Krumvirichthys brzobohatyi</i>	新属种	否	Czech republic	Oligocene-early Miocene	Rivista Italiana di Paleontologia e Stratigrafia	<i>Krumvirichthys brzobohatyi</i> gen. et sp. nov. – the oldest record of the deep-sea smelts (Bathylagidae, Argentiniformes)

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Fishes	Ray-finned fishes	<i>Larimichthys</i>	<i>Larimichthys koeae</i>	新种	否	Taiwan	Late Miocene	Historical Biology	Late Miocene otoliths from northern Taiwan: insights into the rarely known Neogene coastal fish community of the subtropical northwest Pacific
		<i>Nibea</i>	<i>Nibea chaoi</i>	新种	否	Taiwan	Late Miocene	Historical Biology	Late Miocene otoliths from northern Taiwan: insights into the rarely known Neogene coastal fish community of the subtropical northwest Pacific
		<i>Taosciaena</i>	<i>Taosciaena jiangi</i>	新属种	否	Taiwan	Late Miocene	Historical Biology	Late Miocene otoliths from northern Taiwan: insights into the rarely known Neogene coastal fish community of the subtropical northwest Pacific
		<i>Peltoperleidus</i>	<i>Peltoperleidus asiaticus</i>	新种	否	China	Middle Triassic	PeerJ	The oldest species of <i>Peltoperleidus</i> (<i>Louvoichthyiformes</i> , <i>Neopterygii</i>) from the Middle Triassic (Anisian) of China, with phylogenetic and biogeographic implications
		<i>Pinichthys</i>	<i>Pinichthys shirvanensis</i>	新种	否	Russia	“Miocene”	Paleontological Journal	A new species of stromateid fish (<i>Perciformes</i> , <i>Stromateoidei</i>) of the genus <i>Pinichthys</i> from the Tarkhanian (lowermost Middle Miocene) of the northwestern Caucasus
		<i>Portentosoceros</i>	<i>Portentosoceros sakhalinicus</i>	新属	否	Russia	“Miocene”	Journal of Vertebrate Paleontology	<i>Portentosoceros</i> , the new genus for the Neogene fish <i>Pentaceros sakhalinicus</i> Grechima (<i>Perciformes</i> , <i>Percoidae</i>) from the western Pacific and its taxonomic position
		<i>Pseudohilsa</i>	<i>Pseudohilsa nikosi</i>	新种	否	Greece	Upper Miocene	Acta Palaeontologica Polonica	A new clupeid fish from the upper Miocene of Greece: A possible <i>Hilsa</i> relative from the Mediterranean
		<i>Pteromisculus</i>	<i>Pteromisculus changae</i>	新种	否	China	Middle Triassic	Vertebrata Palasiatica	“A new species of <i>Pteromisculus</i> from the Middle Triassic (Anisian) of Luoping, Yunnan, China, and phylogenetic relationships of early actinopterygian fishes”
		<i>Rausetarches</i>	<i>Rausetarches sakurai</i>	新属种	否	Japan	“Late Miocene”	Paleontological Research	A New Miocene <i>Scorpaenoid</i> Fish, <i>Rausetarches sakurai</i> gen. et sp. nov. (Teleostei: Scorpaeniformes) from Rausu, Hokkaido, Japan
		<i>Saurichthys</i>	<i>Saurichthys sceltrichensis</i>	新种	否	Switzerland	Middle Triassic	Rivista Italiana di Paleontologia e Stratigrafia	A new species of <i>Saurichthys</i> (<i>Actinopterygii</i> : <i>Saurichthyidae</i>) from the Middle Triassic of Monte San Giorgio

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Fishes	Ray-finned fishes	<i>Severnichthys</i>	<i>Severnichthys bourdoni</i>	新属种	是	United States	Late Cretaceous	Cretaceous Research	Corrigendum to "Upper Cretaceous teleostean otoliths from the Severn Formation(Maastrichtian) of Maryland, USA, with an unusual occurrence of Siluriformes and Beryciformes and the oldest Atlantic coast Gadiformes
		<i>Wilsonium</i>	<i>Wilsonium brevipinne</i>	新属	否	Canada	"Early Eocene"	Journal of Systematic Palaeontology	Redescription of 'Amyzon' brevipinne and remarks on North American Eocene catostomids (Cypriniformes: Catostomidae)
		<i>Yarigobius</i>	<i>Yarigobius naslavcensis</i>	新属种	否	Moldova	Miocene	PalZ	Diversity of gobioid fishes in the late middle Miocene of northern Moldova, Eastern Paratethys – part I: an extinct clade of Lesueurigobius look-alikes
Amphibians	"Lobe-finned fishes"	<i>Ceratodus</i>	<i>Ceratodus guanganensis</i>	新种	否	China	Jurassic	Acta Geologica Sinica	Tooth Plates of <i>Ceratodus</i> (Dipnoi, Ceratodontidae) from the Late Jurassic Shaximiao Formation in Guang'an, Sichuan Province, China
		<i>Eusthenodon</i>	<i>Eusthenodon bourdoni</i>	新种	否	United States	Devonian	Journal of Vertebrate Paleontology	A new species of <i>Eusthenodon</i> (Sarcopterygii, Tristichopteridae) from the Upper Devonian (Famennian) of Pennsylvania, U.S.A., and a review of <i>Eusthenodon</i> taxonomy
		<i>Bermanerpeton</i>	<i>Bermanerpeton kinneyi</i>	新属种	否	United States	Carboniferous	New Mexico Museum of Natural History and Science Bulletin	The new dvinosaurian <i>Bermanerpeton kinneyi</i> (Temnospondyli), with "branchiosaurid" characters, from the Late Pennsylvanian Kinney Brick Quarry in New Mexico
		<i>Euronecturus</i>	<i>Euronecturus grogu</i>	新属种	否	Germany	Miocene	Palaeontology	A new proteiid salamander (<i>Urodela</i> , Proteidae) from the middle Miocene of Hambach (Germany) and implications for the evolution of the family
		<i>Joermungandr</i>	<i>Joermungandr bolti</i>	新属种	否	United States	Carboniferous	Royal Society Open Science	<i>Joermungandr bolti</i> , an exceptionally preserved 'microsauro' from the Mazon Creek Lagerstätte reveals patterns of integumentary evolution in Recumbirostra
		<i>Laosuchus</i>	<i>Laosuchus hun</i>	新种	否	China	Late Permian	"Journal of Systematic Palaeontology"	"The tetrapod fauna of the upper Permian Naobaogou Formation of China: 7. <i>Laosuchus</i> sp. nov. (<i>Chromiosuchia</i>) and interrelationships of chroniosuchians"
		<i>Leiopelma</i>	<i>Leiopelma bishopi</i>	新种	否	New Zealand	Late Pliocene	New Zealand Journal of Zoology	A new species of <i>Leiopelma</i> frog (Amphibia: Anura: Leiopelmatidae) from the late Pliocene of New Zealand

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		<i>Neimengtriton</i>	<i>Neimengtriton daohugouensis</i>	新属	否	China	Middle Jurassic	iScience	Middle Jurassic stem hynobiids from China shed light on the evolution of basal salamanders
		<i>Palaeobatrachus</i>	<i>Palaeobatrachus codreanladi</i>	新种	否	Germany	Middle Eocene	Abhandlungen der Senckenberg Gesellschaft für Naturforschung(无doi, 文献打不开)	Fossil frogs of the genus <i>Palaeobatrachus</i> (Amphibia: Anura)
		<i>Palaeobatrachus</i>	<i>Palaeobatrachus minutus</i>	新种	否	Germany	Pleistocene	Abhandlungen der Senckenberg Gesellschaft für Naturforschung(无doi, 文献打不开)	Fossil frogs of the genus <i>Palaeobatrachus</i> (Amphibia: Anura)
Amphibians	“Lobe-finned fishes”	<i>Primaevorana</i>	<i>Primaevorana cratensis</i>	新属种	否	Brazil	Early Cretaceous	Anais da Academia Brasileira de Ciências	A new genus of fossil frog (<i>Anura</i>) from Lower Cretaceous deposits in South America
		<i>Rocokophryne</i>	<i>Rocokophryne ornata</i>	新属种	否	Algeria	Eocene	Palaeovertebrata	“Latest Early-early Middle Eocene deposits of Algeria (Glib Zegdou, HGL50), yield the richest and most diverse fauna of amphibians and squamate reptiles from the Palaeogene of Africa”
		<i>Sclerocephalus</i>	<i>Sclerocephalus concordiae</i>	新种	否	Germany	Permian	Journal of Paleontology	A new species of <i>Sclerocephalus</i> with a fully ossified endocranium gives insight into braincase evolution in temnospondyls
		<i>Thoosuchus</i>	<i>Thoosuchus abbasovi</i>	新种	否	Russia	Early Triassic	Paleontological Journal	New data on trematosauroid labyrinthodonts of Eastern Europe: 5. Genus <i>Thoosuchus</i> Efremov, 1940
		<i>Afrotortrix</i>	<i>Afrotortrix draensis</i>	新属种	否	Algeria	Eocene	Palaeovertebrata	Latest Early-early Middle Eocene deposits of Algeria (Glib Zegdou, HGL50), yield the richest and most diverse fauna of amphibians and squamate reptiles from the Palaeogene of Africa
Reptilia	Squamates	<i>Caeruleodontatus</i>	<i>Caeruleodontatus lovei</i>	新属种	否	United States	Miocene	Journal of Systematic Palaeontology	Iguanian lizards from the Palaeogene of Africa Wyoming: exploring the modernization of the North American lizard fauna

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Reptilia	Squamates	<i>Ectenosaurus</i>	<i>Ectenosaurus everhartorum</i>	新种	否	United States	Late Cretaceous	Canadian Journal of Earth Sciences	A new species of Ectenosaurus (Mosasauridae: Plioplatecarpinae) from western Kansas, USA, reveals a novel suite of osteological characters for the genus
		<i>Elgaria</i>	<i>Elgaria peludoverde</i>	新种	否	United States	Pliocene	BMC Ecology and Evolution	A new extinct species of alligator lizard (Squamata: Elgaria) and an expanded perspective on the osteology and phylogeny of Gerrhonotinae
		<i>Heterodon</i>	<i>Heterodon meadi</i>	新种	否	United States	Hemphillian	Journal of Herpetology	Small Colubroids from the Late Hemphillian Gray Fossil Site of Northeastern Tennessee
		<i>Leiocephalus</i>	<i>Leiocephalus roquetus</i>	新种	否	France	Quaternary	Zootaxa	Historical and fossil evidence of an extinct endemic species of Leiocephalus (Squamata: Leiocephalidae) from the Guadeloupe Islands
		<i>Morohasaurus</i>	<i>Morohasaurus kamitakiensis</i>	新属种	否	Japan	Early Cretaceous	Cretaceous Research	A fossil Monstersauria (Squamata: Anguimorpha) from the Lower Cretaceous Ohyamashimo Formation of the Sasayama Group in Tamba City, Hyogo Prefecture, Japan
		<i>Oculudentavis</i>	<i>Oculudentavis naga</i>	新种	否	Myanmar	Late Cretaceous	Current Biology	Unusual morphology in the mid-Cretaceous lizard Oculudentavis
		<i>Palaeopython</i>	<i>Palaeopython schali</i>	新种	否	Germany	Eocene	Palaeontographica Abteilung A	More than one large constrictor snake lurked around paleolake Messel
		<i>Palaeovaranus</i>	<i>Palaeovaranus isimoniminos</i>	新种	否	France	late Eocene	Geodiversitas	Osteological atlas of new lizards from the Phosphorites du Query (France), based on historical, forgotten, fossil material
		<i>Paleocheilo</i>	<i>Paleocheilo occultato</i>	新属种	否	Argentina	Late Cretaceous	Revista del Museo Argentino de Ciencias Naturales. Nueva Series.	Unexpected new lizard from the Late Cretaceous of southern South America sheds light on Gondwanan squamate diversity
		<i>Paranecrosaurus</i>	<i>Paranecrosaurus feisti</i>	新属	否	Germany	Eocene	Comptes Rendus Palevol	The anatomy, phylogenetic relationships, and autecology of the carnivorous lizard "Saniwa" feisti Stritzke, 1983 from the Eocene of Messel, Germany
		<i>Phosphoroboa</i>	<i>Phosphoroboa ffollii</i>	新属	是	France	middle or late Eocene	Swiss Journal of Palaeontology	Taxonomic revision of the snakes of the genera Palaeopython and Paleryx (Serpentes, Constrictores) from the Paleogene of Europe

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Reptilia	Squamates	<i>Pluridens</i>	<i>Pluridens serpensis</i>	新种	否	Morocco	Late Cretaceous	Cretaceous Research	Pluridens serpensis, a new mosasaurid (Mosasauridae: Halisaurinae) from the Maastrichtian of Morocco and implications for mosasaur diversity
		<i>Proegernia</i>	<i>Proegernia mikebulli</i>	新种	否	Australia	Late Oligocene	Royal Society Open Science	A new species of Proegernia from the Namba Formation in South Australia and the early evolution and environment of Australian egeriine skinks
		<i>Protodraco</i>	<i>Protodraco monocoli</i>	新属种	否	Myanmar	Late Cretaceous	Cretaceous Research	A new agamid lizard in mid-Cretaceous amber from northern Myanmar
		<i>Pseudeumeces</i>	<i>Pseudeumeces kyriellomethodicus</i>	新种	否	France	Oligocene	Geodiversitas	Osteological atlas of new lizards from the Phosphorites du Quercy (France), based on historical, forgotten, fossil material
		<i>Rageryx</i>	<i>Rageryx schmidti</i>	新属种	否	Germany	Eocene	Geodiversitas	A nearly complete skeleton of the oldest definitive erycine boid (Messel, Germany)
		<i>Retinosaurus</i>	<i>Retinosaurus hkamtiensis</i>	新属种	否	Myanmar	Late Cretaceous	Scientific Reports	A new Early Cretaceous lizard in Myanmar amber with exceptionally preserved integument
		<i>Sciroseps</i>	<i>Sciroseps pawhuskai</i>	新属种	否	United States	Early Cretaceous	PeerJ	A new vertebrate fauna from the Lower Cretaceous Holly Creek Formation of the Trinity Group, southwest Arkansas, USA
		<i>Xenodens</i>	<i>Xenodens calminechari</i>	新属种	否	Morocco	Late Cretaceous	Cretaceous Research	<i>Xenodens calminechari</i> gen. et sp. nov., a bizarre mosasaurid (Mosasauridae, Squamata) with shark-like cutting teeth from the upper Maastrichtian of Morocco, North Africa
		<i>Auroroborealia</i>	<i>Auroroborealia incognita</i>	新属种	否	Russia	Late Triassic	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	Ichthyosaurs from the Upper Triassic (Carnian–Norian) of the New Siberian Islands, Russian Arctic, and their implications for the evolution of the ichthyosaurian basicranium and vertebral column
		<i>Catutosaurus</i>	<i>Catutosaurus gasparinae</i>	新属种	否	Argentina	Late Jurassic	Journal of Vertebrate Paleontology	<i>Catutosaurus gasparinae</i> , gen. et sp. nov. (Ichthyosauria, Thunnosauria) of the Upper Jurassic of Patagonia and the evolution of the ophthalmosaurids
		<i>Cymbospondylus</i>	<i>Cymbospondylus youngorum</i>	新种	否	United States	Middle Triassic	Science	Early giant reveals faster evolution of large body size in ichthyosaurs than in cetaceans

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Reptilia	Ichthyosauromorphs	<i>Kazakhstanosaurus</i>	<i>Kazakhstanosaurus efimovi</i>	新属种	否	Kazakhstan	Late Jurassic	Ученые записки Казанского университета. Серия Естественные науки	НОВЫЙ ВИД KAZAKHSTANOSAURUS EFIMOVИ YAKUPOVA ET AKHMEDENOV SP. NOV. (ICHTHYOSAURIA, UNENDOROSAURIDAE) ИЗ ВЕРХНЕЮРСКИХ ОТЛОЖЕНИЙ СРЕДНЕГО ПОВОЛЖЬЯ РОССИИ
		<i>Kyhytysuka</i>	<i>Kyhytysuka sachicarum</i>	新属	是	Colombia	Early Cretaceous	Journal of Systematic Palaeontology	Re-appearance of hypercarnivore ichthyosaurs in the Cretaceous with differentiated dentition: revision of 'Platypterygius' sachicarum (Reptilia: Ichthyosauria, Ophthalmosauridae) from Colombia
		<i>Jabalisaurus</i>	<i>Jabalisaurus meztli</i>	新属种	否	Mexico	Late Jurassic	Journal of South American Earth Sciences	A new ophthalmosaurid (Ichthyosauria) from the Upper Kimmeridgian deposits of the La Casita formation, near Gómez Fariás, Coahuila, northern Mexico
		<i>Parrassaurus</i>	<i>Parrassaurus yacahuiztli</i>	新属种	否	Mexico	Late Jurassic	Alcheringa: An Australasian Journal of Palaeontology	A new Tithonian ophthalmosaurid ichthyosaur from Coahuila in northeastern Mexico
		<i>Sumpalla</i>	<i>Sumpalla argentina</i>	新属种	否	Argentina	Late Jurassic	Papers in Palaeontology	Morphological disparity in the evolution of the ophthalmosaurid forefin: new clues from the Upper Jurassic of Argentina
		<i>Fluvionectes</i>	<i>Fluvionectes sloanae</i>	新属种	否	Canada	Late Cretaceous	PeerJ	The anatomy of the palate in Early Triassic Chahusaurus brevifemoralis (Reptilia: Ichthyosauriformes) based on digital reconstruction
		<i>Eiectus</i>	<i>Eiectus longmani</i>	新属种	否	Australia	Early Cretaceous	Cretaceous Research	Giant pliosaurids (Sauropterygia; Plesiosauria) from the Lower Cretaceous peri-Gondwanan seas of Colombia and Australia
		<i>Monquirasaurus</i>	<i>Monquirasaurus boyacensis</i>	新属	否	Colombia	Early Cretaceous	Cretaceous Research	Giant pliosaurids (Sauropterygia; Plesiosauria) from the Lower Cretaceous peri-Gondwanan seas of Colombia and Australia
		<i>Plesiopharos</i>	<i>Plesiopharos moelensis</i>	新属种	否	Portugal	Early Jurassic	Acta Palaeontologica Polonica	A new plesiosaur from the Lower Jurassic of Portugal and the early radiation of Plesiosauroidea

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Reptilia	Turtles	<i>Adocus</i>	<i>Adocus kohaku</i>	新种	否	Japan	Late Cretaceous	International Journal of Paleobiology & Paleontology	Adocus kohaku, a new species of aquatic turtle (Testudines: Cryptodira: Adocidae) from the Late Cretaceous of Kuji, Iwate Prefecture, Northeast Japan, with special references to the geological age of the Tamagawa Formation (Kuji Group)
		<i>Akoranemys</i>	<i>Akoranemys madagasika</i>	新属种	否	Madagascar	Late Cretaceous	Cretaceous Research	A new bothremydid turtle (Pleurodira) from the Upper Cretaceous (Cenomanian) of Madagascar
		<i>Apeshemys</i>	<i>Apeshemys aegyptiaca</i>	新属	否	Egypt	Miocene	Fossil Record	New shell information and new generic attributions for the Egyptian podocnemidid turtles "Podocnemis" fajumensis(Oligocene) and "Podocnemis" aegyptiaca (Miocene)
		<i>Chelonoidis</i>	<i>Chelonoidis petrocellii</i>	新种	是	Argentina	Middle Pleistocene	Paleontological Journal	A New Tortoise from the Pleistocene of Argentina with Comments on the Extinction of Late Pleistocene Tortoises and Plant Communities
		<i>Elkanemys</i>	<i>Elkanemys pritchardi</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	The first Cearachelyini (Pelomedusoides, Bothremydidae) turtle from the Upper Cretaceous of Patagonia, and an overview of the occurrence and diversity of Pelomedusoides in Patagonia
		<i>Globochelus</i>	<i>Globochelus lennieri</i>	新属种	否	France	Late Jurassic	Annales de Paléontologie	Mesozoic turtles from Le Havre (France), review, definition of <i>Globochelus lennieri</i> n. g. n. sp. and new data on <i>Tropidemys langii</i> , <i>Plesiochelyidae</i>
		<i>Notapachemys</i>	<i>Notapachemys oglala</i>	新属种	否	United States	Eocene	Bulletin of the Florida Museum of Natural History	A new geoemydid (Testudines, aff. Rhinoclemmydinae) from the upper Eocene Chadron Formation (White River Group) of northwestern Nebraska
		<i>Palatobaena</i>	<i>Palatobaena knellerorum</i>	新种	否	United States	Paleocene	Journal of Vertebrate Paleontology	A new baenid turtle, <i>Palatobaena knellerorum</i> sp. nov., from the lower Paleocene (Danian) Denver Formation of south-central Colorado, U.S.A.
		<i>Plastomenus</i>	<i>Plastomenus joycei</i>	新种	否	United States	Paleocene	Journal of Vertebrate Paleontology	A new plastomenid trionychid turtle, <i>Plastomenus joycei</i> , sp. nov., from the earliest Paleocene (Danian) Denver Formation of south-central Colorado, U.S.A.
		<i>Pleurochayah</i>	<i>Pleurochayah appalachius</i>	新属种	否	United States	Late Cretaceous	Scientific Reports	An early bothremydid from the Arlington Archosaur Site of Texas
		<i>Pleurosternon</i>	<i>Pleurosternon moncayensis</i>	新种	否	Spain	Jurassic-Cretaceous transition	Historical Biology	A new Iberian pleurosternid (Jurassic-Cretaceous transition, Spain) and first neuroanatomical study of this clade of stem turtles

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Reptilia	Turtles	<i>Sahonachelys</i>	<i>Sahonachelys mailakavava</i>	新属种	否	Madagascar	Late Cretaceous	Royal Society Open Science	A new pelomedusoid turtle, <i>Sahonachelys mailakavava</i> , from the Late Cretaceous of Madagascar provides evidence for convergent evolution of specialized suction feeding among pleurodires	
		<i>Shenwemys</i>		新属	是	Egypt	Oligocene	Fossil Record	New shell information and new generic attributions for the Egyptian podocnemidid turtles “ <i>Podocnemis</i> ” <i>fajumensis</i> (Oligocene) and “ <i>Podocnemis</i> ” <i>aegyptiaca</i> (Miocene)	
		<i>Sindhochelys</i>	<i>Sindhochelys ragei</i>	新属种	否	Pakistan	Paleocene	Geodiversitas	First report of a bothremydid turtle, <i>Sindhochelys ragei</i> n. gen., n. sp., from the early Paleocene of Pakistan, systematic and palaeobiogeographic implications	
			<i>Yakemys</i>	<i>Yakemys multiporata</i>	新属种	否	Thailand	Early Cretaceous	Diversity	<i>Yakemys multiporata</i> n. g. n. sp., a Large Macrobaenid Turtle from the Basal Cretaceous of Thailand, with a Review of the Turtle Fauna from the Phu Krading Formation and Its Stratigraphical Implications
			<i>Balearosaurus</i>	<i>Balearosaurus bombardensis</i>	新属种	否	Spain	Permian	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	A captorhinid-dominated assemblage from the palaeoquatorial Permian of Menorca (Balearic Islands, western Mediterranean)
			<i>Delorhynchus</i>	<i>Delorhynchus multidentatus</i>	新种	否	United States	Permian	Frontiers in Earth Science	Multiple Tooth-Rowed Parareptile From the Early Permian of Oklahoma
		Other reptiles	<i>Elorhynchus</i>	<i>Elorhynchus carrolli</i>	新属种	否	Argentina	Triassic	Journal of Systematic Palaeontology	The rhynchosaur record, including a new <i>stenaurohynchine</i> taxon, from the Chañares Formation (upper Ladinian–?lowermost Carnian levels) of La Rioja Province, north-western Argentina
	<i>Karutia</i>		<i>Karutia fortunata</i>	新属种	否	Brazil	Permian	Journal of Systematic Palaeontology	A new reptile from the lower Permian of Brazil (<i>Karutia fortunata</i> gen. et sp. nov.) and the interrelationships of Parareptilia	
	<i>Mengshanosaurus</i>		<i>Mengshanosaurus minimus</i>	新属种	否	China	Early Cretaceous	Vertebrata Palasiatica	A juvenile skull of the longirostrine choristodere (<i>Diapsida:Choristodera</i>), <i>Mengshanosaurus minimus</i> gen. et sp. nov., with comments on neochoristodere ontogeny	

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Reptilia	Other reptiles	<i>Microsphenodon</i>	<i>Microsphenodon bonapartei</i>	新属种	是	Brazil	Late Triassic	Journal of Systematic Palaeontology	The diversity of Triassic South American sphenodontians: a new basal form, clevosaurus, and a revision of rhynchocephalian phylogeny
		<i>Oryporan</i>	<i>Oryporan insolitus</i>	新属种	否	Brazil	Early Triassic	Papers in Palaeontology	An early-diverging procolophonid from the lowermost Triassic of South America and the origins of herbivory in Procolophonoidea
		<i>Rhodotheratus</i>		新属	否	United States	Early Permian	Annals of Carnegie Museum	A New Genus of Captorhinid Reptile (Amniota: Eureptilia) from the Lower Permian Hennessey Formation of Central Oklahoma, and a Consideration of Homoplasy in the Family Captorhinidae
		<i>Sphenofontis</i>	<i>Sphenofontis velserae</i>	新属种	否	Germany	Late Jurassic	PeerJ	<i>Sphenofontis velserae</i> gen. et sp. nov., a new rhynchocephalian from the Late Jurassic of Brunns (Sohnhofen Archipelago, southern Germany)
		<i>Stauromatodon</i>	<i>Stauromatodon mohli</i>	新属种	否	Germany	Middle Triassic	Journal of Vertebrate Paleontology	A new diapsid with a unique tooth structure from the Middle Triassic (Ladinian) of Germany
		<i>Taytatura</i>	<i>Taytatura alcoberi</i>	新属种	否	Argentina	Late Triassic	Nature	A Triassic stem lepidosaur illuminates the origin of lizard-like reptiles
		<i>Tika</i>	<i>Tika giacchinoi</i>	新属种	否	Argentina	Late Cretaceous	Ameghiniana	Earliest tuatara (Lepidosauria: Sphenodontinae) from southern continents
		<i>Trullidens</i>	<i>Trullidens purgatorii</i>	新属种	否	United States	Late Triassic	Journal of Paleontology	New sphenodontian (Reptilia: Lepidosauria) from a novel Late Triassic paleobiota in western North America sheds light on the earliest radiation of herbivorous lepidosaurs
		<i>Vinitasaura</i>	<i>Vinitasaura lizae</i>	新属种	否	United States	Late Triassic	Journal of Vertebrate Paleontology	A new lizard-like reptile from the Upper Triassic (Carnian) of Virginia and the Triassic record of Lepidosauromorpha (Diapsida, Sauria)
				<i>Bharitalasuchus</i>	<i>Bharitalasuchus tapani</i>	新属种	否	India	Middle Triassic
Archosaur	Other archosauriforms	<i>Heteropelta</i>	<i>Heteropelta boboi</i>	新属种	否	Italy	Middle Triassic	PeerJ	<i>Heteropelta boboi</i> n. gen., n. sp. an armored archosauriform (Reptilia: Archosauromorpha) from the Middle Triassic of Italy
		<i>Incertovenator</i>	<i>Incertovenator longicollum</i>	新属种	否	Argentina	Late Triassic	Acta Palaeontologica Polonica	An enigmatic new archosauriform from the Carnian–Norian, Upper Triassic, Ischigualasto Formation of northwestern Argentina

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Archosaur	Other archosauriforms	<i>Kranosaura</i>	<i>Kranosaura kutyi</i>	新属种	否	India	Late Triassic	Journal of Anatomy	A remarkable group of thick-headed Triassic Period archosauriforms with a wide, possibly Pangean distribution
		<i>Syntomiprosopus</i>	<i>Syntomiprosopus sucherorum</i>	新属种	否	US	Late Triassic	The Science of Nature	A new short-faced archosauriform from the Upper Triassic Placerias/Downs' quarry complex, Arizona, USA, expands the morphological diversity of the Triassic archosauriform radiation
		<i>Allodaposuchus</i>	<i>Allodaposuchus iberoarmoricanus</i>	新种	否	France	Late Cretaceous	PLOS ONE	Importance of the postcranial skeleton in eusuchian phylogeny: Reassessing the systematics of allodaposuchid crocodylians
		<i>Amphicootylus</i>	<i>Amphicootylus milesi</i>	新种	否	United States	Late Jurassic	Royal Society Open Science	A new goniopholidid from the Upper Jurassic Morrison Formation, USA: novel insight into aquatic adaptation toward modern crocodylians
		<i>Antaeosuchus</i>	<i>Antaeosuchus taouzensis</i>	新属种	否	Morocco	Late Cretaceous	Royal Society Open Science	A second petrosaurid crocodyliform from the Mid-Cretaceous Kem Kem Group of Morocco and the diversity of Gondwanan notosuchians outside South America
		<i>Aphaurosuchus</i>	<i>Aphaurosuchus escharafacies</i>	新属种	否	Brazil	Late Cretaceous	Journal of Anatomy	3D skull modelling and description of a new baurusuchid (Crocodyliformes, Mesoeucrocodylia) from the Late Cretaceous (Bauru Basin) of Brazil
		<i>Brachiosuchus</i>	<i>Brachiosuchus kababishensis</i>	新属种	否	Sudan	Late Cretaceous	Historical Biology	<i>Brachiosuchus kababishensis</i> , a new long-snouted dyrosaurid (Mesoeucrocodylia) from the Late Cretaceous of north central Sudan
		<i>Burkesuchus</i>	<i>Burkesuchus mallingrandensis</i>	新属种	否	Chile	Late Jurassic	Scientific Reports	New transitional fossil from late Jurassic of Chile sheds light on the origin of modern crocodiles
		<i>Caipirasuchus</i>	<i>Caipirasuchus attenboroughi</i>	新种	否	Brazil	Late Cretaceous	Journal of Systematic Palaeontology	A new species of <i>Caipirasuchus</i> (Notosuchia, Sphagesauridae) from the Late Cretaceous of Brazil and the evolutionary history of Sphagesauria
		<i>Chinaticampsus</i>	<i>Chinaticampsus wilsonorum</i>	新属种	否	United States	Eocene	PeerJ	A new caimanine alligatorid from the Middle Eocene of Southwest Texas and implications for spatial and temporal shifts in Paleogene crocodyliform diversity
		<i>Coroneisuchus</i>	<i>Coroneisuchus civali</i>	新属种	否	Brazil	Late Cretaceous	Anais da Academia Brasileira de Ciências	The first notosuchian crocodyliform from the Araçatuba Formation (Bauru Group, Paraná Basin), and diversification of sphagesaurians

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Archosaur	Pseudosuchians	<i>Cricosaurus</i>	<i>Cricosaurus albersdoerferi</i>	新种	否	Germany	Late Jurassic	Palaeontologia Electronica	A new species of <i>Cricosaurus</i> (Thalattosuchia, Metriorhynchidae) based upon a remarkably well-preserved skeleton from the Upper Jurassic of Germany
		<i>Cricosaurus</i>	<i>Cricosaurus rauhuti</i>	新种	否	Germany	Late Jurassic	Journal of Systematic Palaeontology	A new species of <i>Cricosaurus</i> (Thalattosuchia: Crocodylomorpha) from southern Germany: the first three-dimensionally preserved <i>Cricosaurus</i> skull from the Solnhofen Archipelago
		<i>Dongnanosuchus</i>	<i>Dongnanosuchus hsui</i>	新属种	否	China	Eocene	Journal of Paleontology	A new alligatoroid (<i>Eusuchia</i> , <i>Crocodylia</i>) from the Eocene of China and its implications for the relationships of <i>Orientalosuchina</i>
		<i>Eptatofosuchus</i>	<i>Eptatofosuchus viridi</i>	新属种	否	Brazil	Late Cretaceous	Cretaceous Research	First Upper Cretaceous notosuchians (<i>Crocodyliformes</i>) from the Uberaba Formation (Bauru Group), southeastern Brazil: enhancing crocodyliform diversity
		<i>Ejfosuchus</i>	<i>Ejfosuchus recurvidens</i>	新属种	否	Namibia	Middle Triassic	Journal of Systematic Palaeontology	A new 'trausuchian' archosaur from the Middle Triassic Omningonde Formation (Karoo Supergroup) of Namibia
		<i>Gunggamarandu</i>	<i>Gunggamarandu maunala</i>	新属种	否	Australia	Pliocene or Pleistocene	Scientific Reports	First record of a tomistomine crocodylian from Australia
		<i>Kocurypelta</i>	<i>Kocurypelta silvestris</i>	新属种	否	Poland	Late Triassic	Journal of Vertebrate Palaeontology	An Upper Triassic Terrestrial Vertebrate Assemblage from the Forcotten Kocury Locality (Poland) with a New <i>Aetosaur</i> Taxon
		<i>Sebecus</i>	<i>Sebecus ayrampu</i>	新种	否	Argentina	Paleocene	Journal of Vertebrate Palaeontology	A new sebecid mesoeucrocodylian from the Paleocene of northwestern Argentina
		<i>Yanjisuchus</i>	<i>Yanjisuchus longshanensis</i>	新属种	否	China	Cretaceous	Cretaceous Research	A new paralligatorid (<i>Crocodyliformes</i> , <i>Neosuchia</i>) from the middle Cretaceous of Jilin Province, northeastern China
		<i>Cricosaurus</i>	<i>Cricosaurus puelchorum</i>	新属种	否	Argentina	Early Cretaceous	Cretaceous Research	<i>Cricosaurus</i> (Thalattosuchia, Metriorhynchidae) survival across the J/K boundary in the High Andes (Mendoza Province, Argentina)

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Archosaur	Non-avian dinosaurs	<i>Arackar</i>	<i>Arackar licanantay</i>	新属种	否	Chile	Late Cretaceous	Cretaceous Research	Arackar licanantay gen. et sp. nov. a new lithostrotian (Dinosauria, Sauropoda) from the Upper Cretaceous of the Atacama Region, northern Chile
		<i>Arrudatitan</i>	<i>Arrudatitan maximus</i>	新属	是	Brazil	Late Cretaceous	Historical Biology	Reassessment of <i>Aeolosaurus maximus</i> , a titanosaur dinosaur from the Late Cretaceous of Southeastern Brazil
		<i>Australoitian</i>	<i>Australoitian cooperensis</i>	新属种	否	Australia	Late Cretaceous	PeerJ	A new giant sauropod, <i>Australoitian cooperensis</i> gen. et sp. nov., from the mid-Cretaceous of Australia
		<i>Berthasaura</i>	<i>Berthasaura leopoldinae</i>	新属种	否	Brazil	Early Cretaceous	Scientific Reports	The first edentulous ceratosauro from South America
		<i>Brightstoneus</i>	<i>Brightstoneus simmondsi</i>	新属种	否	United Kingdom	Early Cretaceous	Journal of Systematic Palaeontology	A new hadrosauriform dinosaur from the Wessex Formation, Wealden Group (Early Cretaceous), of the Isle of Wight, southern England
		<i>Ceratosuchops</i>	<i>Ceratosuchops inferodios</i>	新属种	否	United Kingdom	Early Cretaceous	Scientific Reports	New spinosaurids from the Wessex Formation (Early Cretaceous, UK) and the European origins of Spinosauridae
		<i>Dzharatitanis</i>	<i>Dzharatitanis kingi</i>	新属种	是	Uzbekistan	Late Cretaceous	PLOS ONE	First rebbachisaurid sauropod dinosaur from Asia
		<i>Fylax</i>	<i>Fylax thyrakolasus</i>	新属种	否	Spain	Late Cretaceous	Acta Palaeontologica Polonica	The late-surviving early diverging Iberian 'duck-billed' dinosaur <i>Fylax</i> and the role of the Late Cretaceous European Archipelago in hadrosauroid biogeography
		<i>Garrigatitan</i>	<i>Garrigatitan meridionalis</i>	新属种	否	France	Late Cretaceous	Historical Biology	A new titanosaur (Dinosauria: Sauropoda) from the Upper Cretaceous of Velaux-La-Bastide Neuve (southern France)
		<i>Silititan</i>	<i>Silititan sinensis</i>	新属种	否	China	Early Cretaceous	Scientific Reports	The first dinosaurs from the Early Cretaceous Hami Pterosaur Fauna, China
		<i>Hamititan</i>	<i>Hamititan xinjiangensis</i>	新属种	否	China	Early Cretaceous	Scientific Reports	The first dinosaurs from the Early Cretaceous Hami Pterosaur Fauna, China
		<i>Issi</i>	<i>Issi saaneq</i>	新属种	否	Greenland	Late Triassic	Diversity	<i>Issi saaneq</i> gen. et sp. nov.—A New Sauropodomorph Dinosaur from the Late Triassic (Norian) of Jameson Land, Central East Greenland
		<i>Kansaignathus</i>	<i>Kansaignathus sogdianus</i>	新属种	否	Tajikistan	Late Cretaceous	Doklady Earth Sciences	A New Theropod Dinosaur (Theropoda, Dromaeosauridae) from the Late Cretaceous of Tajikistan

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Archosaur	Non-avian dinosaurs	<i>Khulsanurus</i>	<i>Khulsanurus magnificus</i>	新属种	否	Mongolia	Late Cretaceous	Historical Biology	The second taxon of alvarezsaurid theropod dinosaurs from the Late Cretaceous Khulsan locality in Gobi Desert, Mongolia
		<i>Kuru</i>	<i>Kuru kulla</i>	新属种	否	Mongolia	Late Cretaceous	American Museum Novitates	A New Dromaeosaurid (Dinosauria: Coelurosauria) from Khulsan, Central Mongolia
		<i>Kurupi</i>	<i>Kurupi itaata</i>	新属种	否	Brazil	Late Cretaceous	Journal of South American Earth Sciences	New theropod dinosaur from the late Cretaceous of Brazil improves abelisaurid diversity
		<i>Lhukalkan</i>	<i>Lhukalkan aliocranianus</i>	新属种	否	Argentina	Late Cretaceous	Journal of Vertebrate Paleontology	A New Furileusaurian Abelisaurid from La Invernada (Upper Cretaceous, Santonian, Bajo De La Carpa Formation), Northern Patagonia, Argentina
		<i>Menefeceratops</i>	<i>Menefeceratops sealeyi</i>	新属种	否	United States	Late Cretaceous	PalZ	The oldest centrosaurine: a new ceratopsid dinosaur (Dinosauria: Ceratopsidae) from the Allison Member of the Menefee Formation (Upper Cretaceous, early Campanian), northwestern New Mexico, USA
		<i>Menucoelstior</i>	<i>Menucoelstior arriagadai</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	The sauropod record of Salitral Ojo del Agua: An Upper Cretaceous (Allen Formation) fossiliferous locality from northern Patagonia, Argentina
		“ <i>Napaisaurus</i> ”	<i>Napaisaurus guangxiensis</i>	新属种	否	China	Early Cretaceous	Acta Geoscientica Sinica	First new genus and species of basal iguanodontian dinosaur (Ornithischia: Ornithopoda) from southern China
		<i>Ninjatitan</i>	<i>Ninjatitan zapatai</i>	新属种	否	Argentina	Early Cretaceous	Ameghiniana	The Earliest Known Titanosaur Sauropod Dinosaur
		<i>Omeisaurus</i>	<i>Omeisaurus junghsiensis</i>	新种	否	China	Middle Jurassic	Historical Biology	A new species of Omeisaurus (Dinosauria: Sauropoda) from the Middle Jurassic of Yunyang, Chongqing, China fauna
		<i>Ornatops</i>	<i>Ornatops incantatus</i>	新属种	否	United States	Late Cretaceous	PeerJ	A new brachylophosaurin (Dinosauria: Hadrosauridae) from the Upper Cretaceous Menefee Formation of New Mexico
		<i>Papilovenator</i>	<i>Papilovenator neimengguensis</i>	新属种	否	China	Late Cretaceous	Cretaceous Research	A New Troodontid from the Upper Cretaceous Gobi Basin of Inner Mongolia, China
		<i>Pendraig</i>	<i>Pendraig milnerae</i>	新属种	否	United Kingdom	Late Triassic	Royal Society Open Science	Pendraig milnerae, a new small-sized coelophysoid theropod from the Late Triassic of Wales

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Archosaur	Non-avian dinosaurs	<i>Portellsaurus</i>	<i>Portellsaurus sosbaynati</i>	新属种	否	Spain	Early Cretaceous	PLOS ONE	A new styracosternan hadrosauroid (Dinosauria: Ornithischia) from the Early Cretaceous of Portell, Spain
		<i>Rhomaleopakhus</i>	<i>Rhomaleopakhus turpanensis</i>	新属种	是	China	Late Jurassic	Journal of Vertebrate Paleontology	Re-assessment of the Late Jurassic eusauropod dinosaur Hudiesaurus sinojapanorum Dong, 1997, from the Turpan Basin, China, and the evolution of hyper-robust antebrachia in sauropods
		<i>Riparovenator</i>	<i>Riparovenator milnerae</i>	新属种	否	United Kingdom	Early Cretaceous	Scientific Reports	New spinosaurids from the Wessex Formation (Early Cretaceous, UK) and the European origins of Spinosauridae
		<i>Shri</i>	<i>Shri devi</i>	新属种	否	Mongolia	Late Cretaceous	American Museum Novitates	A new dromaeosaurid from the Late Cretaceous Khulsan locality of Mongolia
		<i>Sierraceratops</i>	<i>Sierraceratops turneri</i>	新属种	否	United States	Late Cretaceous	Cretaceous Research	<i>Sierraceratops turneri</i> , a new chasmosaurine ceratopsid from the Hall Lake Formation (Upper Cretaceous) of south-central New Mexico
		<i>Sinocephale</i>	<i>Sinocephale bexelli</i>	新属	否	China	Late Cretaceous	Canadian Journal of Earth Sciences	Description and revised diagnosis of Asia's first recorded pachycephalosaurid, <i>Sinocephale bexelli</i> gen. nov., from the Upper Cretaceous of Inner Mongolia, China
		<i>Spicomellus</i>	<i>Spicomellus afer</i>	新属种	否	Morocco	Middle Jurassic	Nature Ecology & Evolution	Bizarre dermal armour suggests the first African ankylosaur
		<i>Stegouros</i>	<i>Stegouros elengassen</i>	新属种	否	Chile	Late Cretaceous	Nature	Bizarre tail weaponry in a transitional ankylosaur from subantarctic Chile
		<i>Tamarro</i>	<i>Tamarro insperatus</i>	新属种	否	Spain	Late Cretaceous	Scientific Reports	A fast-growing basal troodontid (Dinosauria: Theropoda) from the latest Cretaceous of Europe
		<i>Tarchia</i>	<i>Tarchia tumanovae</i>	新种	否	Mongolia	Late Cretaceous	Scientific Reports	A new ankylosaurid from the Upper Cretaceous Nemegt Formation of Mongolia and implications for paleoecology of armoured dinosaurs
		<i>Tlatolophus</i>	<i>Tlatolophus galorum</i>	新属种	否	Mexico	Late Cretaceous	Cretaceous Research	<i>Tlatolophus galorum</i> , gen. et sp. nov., a parasaurolophini dinosaur from the upper Campanian of the Cerro del Pueblo Formation, Coahuila, northern Mexico
		<i>Ulughbegsaurus</i>	<i>Ulughbegsaurus uzbekistanensis</i>	新属种	否	Uzbekistan	Late Cretaceous	Royal Society Open Science	A new carcharodontosaurian theropod dinosaur occupies apex predator niche in the early Late Cretaceous of Uzbekistan

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Archosaur	Non-avian dinosaurs	<i>Vectiraptor</i>	<i>Vectiraptor greeni</i>	新属种	否	United Kingdom	Early Cretaceous	Cretaceous Research	A new dromaeosaurid dinosaur from the Wessex Formation (Lower Cretaceous, Barremian) of the Isle of Wight, and implications for European palaeobiogeography	
		<i>Yamatosaurus</i>	<i>Yamatosaurus izanagii</i>	新属种	否	Japan	Late Cretaceous	Scientific Reports	A new basal hadrosaurid (Dinosauria: Ornithischia) from the latest Cretaceous Kitama Formation in Japan implies the origin of hadrosaurids	
		<i>YUPIARA</i>	<i>YUPIARA lopai</i>	新属种	否	Brazil	Late Cretaceous	Papers in Palaeontology	A new unenlagiine (Theropoda, Dromaeosauridae) from the Upper Cretaceous of Brazil	
		<i>Erythrovenator</i>	<i>Erythrovenator jacuensis</i>	新属种	否	Brazil	Late Triassic	Journal of South American Earth Sciences	A new theropod dinosaur from a peculiar Late Triassic assemblage of southern Brazil	
		<i>Omeisaurus</i>	<i>Omeisaurus puxiani</i>	新属种	否	China	Middle Jurassic	Historical Biology	A new species of Omeisaurus (Dinosauria: Sauropoda) from the Middle Jurassic of Yunyang, Chongqing, China fauna	
	Birds		<i>Apteryx</i>	<i>Apteryx littoralis</i>	新种	否	New Zealand	Pleistocene	Historical Biology	A new fossil species of kiwi (Aves: Apterygidae) from the mid-Pleistocene of New Zealand
			<i>Archaeohierax</i>	<i>Archaeohierax sylvestrís</i>	新属种	否	Australia	Late Oligocene	Historical Biology	An exceptional partial skeleton of a new basal raptor (Aves: Accipitridae) from the late Oligocene Namba formation, South Australia
			<i>Archaeodromus</i>	<i>Archaeodromus anglicus</i>	新属种	否	United Kingdom	Eocene	Papers in Palaeontology	An early Eocene fossil from the British London Clay elucidates the evolutionary history of the enigmatic Archaeotrogonidae (Aves, Strisores)
			<i>Breacopus</i>	<i>Breacopus garretti</i>	新属种	否	United States	Late Pleistocene	Palaeobiodiversity and Palaeoenvironments	A review of the woodpeckers (Aves: Piciformes) from the asphalt deposits of Rancho La Brea, California, with the description of three new species
			<i>Bitumenpicus</i>	<i>Bitumenpicus minimus</i>	新属种	否	United States	Late Pleistocene	Palaeobiodiversity and Palaeoenvironments	A review of the woodpeckers (Aves: Piciformes) from the asphalt deposits of Rancho La Brea, California, with the description of three new species
		<i>Breidentavis</i>	<i>Breidentavis zhangii</i>	新属种	否	China	Early Cretaceous	Journal of Systematics and Evolution	Avian skulls represent a diverse ornithuromorph fauna from the Lower Cretaceous Xiagou Formation, Gansu Province, China	

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Archosaur	Birds	<i>Brevirostravis</i>	<i>Brevirostravis macrohyoideus</i>	新属种	否	China	Early Cretaceous	Journal of Anatomy	Novel evolution of a hyper-elongated tongue in a Cretaceous enantiornithine from China and the evolution of the hyolingual apparatus and feeding in birds
		<i>Bumalavis</i>	<i>Bumalavis anatoides</i>	新属种	是	Mongolia	Late Paleocene-early Eocene	Paleontological Journal	A revision of the Paleocene-Eocene Mongolian Presbyornithidae (Aves: Anseriformes)
		<i>Bumbanipes</i>	<i>Bumbanipes aramoides</i>	新属种	否	Mongolia	Early Eocene	Paleontological Journal	New bird taxa (Aves: Galliformes, Gruiformes) from the early Eocene of Mongolia
		<i>Bumbanipodius</i>	<i>Bumbanipodius magnus</i>	新属种	否	Mongolia	Early Eocene	Paleontological Journal	New bird taxa (Aves: Galliformes, Gruiformes) from the early Eocene of Mongolia
		<i>Bumbaniralla</i>	<i>Bumbaniralla walbeckornithoides</i>	新属种	否	Mongolia	Early Eocene	Paleontological Journal	New bird taxa (Aves: Galliformes, Gruiformes) from the early Eocene of Mongolia
		<i>Bumbanortyx</i>	<i>Bumbanortyx transitoria</i>	新属种	否	Mongolia	Early Eocene	Paleontological Journal	New bird taxa (Aves: Galliformes, Gruiformes) from the early Eocene of Mongolia
		<i>Buteo</i>	<i>Buteo dondasi</i>	新种	否	Argentina	Pliocene	Acta Palaentologica Polonica	A new buzzard from the late Pliocene of Argentina
		<i>Buteogallus</i>	<i>Buteogallus irpus</i>	新种	否	Cuba	Quaternary	Bulletin of the British Ornithologists' Club	A new fossil raptor (Accipitridae: Buteogallus) from Quaternary cave deposits in Cuba and Hispaniola, West Indies
		<i>Crosnoornis</i>	<i>Crosnoornis nargizia</i>	新属种	否	Poland	Oligocene	Journal of Ornithology	A new passeriform (Aves: Passeriformes) from the early Oligocene of Poland sheds light on the beginnings of Suboscines
		<i>Eopelecanus</i>	<i>Eopelecanus aegyptiacus</i>	新属种	否	Egypt	Eocene	Journal of Vertebrate Paleontology	The earliest recorded fossil pelican, recovered from the late Eocene of Wadi Al-Hitan, Egypt
		<i>Fortipesavis</i>	<i>Fortipesavis prehenden</i>	新属种	否	Myanmar	Early Cretaceous	Frontiers in Ecology and Evolution	Exploring the Ecomorphology of Two Cretaceous Enantiornithines With Unique Pedal Morphology
		<i>Kairuku</i>	<i>Kairuku waewaeroa</i>	新种	否	New Zealand	Oligocene	Journal of Vertebrate Paleontology	A giant Oligocene fossil penguin from the North Island of New Zealand
		<i>Klallamornis</i>	<i>Klallamornis buchamani</i>	新种	是	USA	Oligocene	Journal of Paleontology	New late Eocene and Oligocene plotopterid fossils from Washington State (USA), with a revision of "Tonsala" buchamani (Aves, Plotopteridae)

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Archosaur	Birds	<i>Kariraniavis</i>	<i>Kariraniavis mater</i>	新属种	否	Brazil	Early Cretaceous	Journal of Vertebrate Paleontology	A new ornithuromorph bird from the Lower Cretaceous of South America
		<i>Manuherikia</i>	<i>Manuherikia primadivida</i>	新种	否	New Zealand	Miocene	Geobios	A new species of <i>Manuherikia</i> (Aves: Anatidae) provides evidence of faunal turnover in the St Bathans fauna, New Zealand
		<i>Marambiornopsis</i>	<i>Marambiornopsis sobrali</i>	新属种	否	Antarctica	Eocene	GFF	A new small-sized penguin from the late Eocene of Seymour Island with additional material of <i>Mesetaornis polaris</i>
		<i>Margarobyas</i>	<i>Margarobyas abronensis</i>	新种	否	Cuba	Late Pleistocene	Journal of Vertebrate Paleontology	A new extinct species of <i>Margarobyas</i> (Strigiformes) and the evolutionary history of the endemic Cuban bare-legged owl (<i>M. lawrencii</i>)
		<i>Meemannavis</i>	<i>Meemannavis ductrix</i>	新属种	否	China	Early Cretaceous	Journal of Systematics and Evolution	Avian skulls represent a diverse ornithuromorph fauna from the Lower Cretaceous Xiagou Formation, Gansu Province, China
		<i>Melanerpes</i>	<i>Melanerpes shawi</i>	新种	否	United States	Late Pleistocene	Palaeobiodiversity and Palaeoenvironments	A review of the woodpeckers (Aves: Piciformes) from the asphalt deposits of Rancho La Brea, California, with the description of three new species
		<i>Neimengornis</i>	<i>Neimengornis rectusimim</i>	新属种	否	China	Early Cretaceous	Geological Bulletin of China(in Chinese)	A new jeholomithiform identified from the Early Cretaceous Jiufotang Formation in western Liaoning
		<i>Palaeogeranos</i>	<i>Palaeogeranos tourmenti</i>	新属种	否	France	Early Oligocene	Journal of Ornithology	A new fossil from the early Oligocene of Provence (France) increases the diversity of early Gruoidea and adds constraint on the origin of cranes (Gruidae) and limpkin (Aramidae)
		<i>Parapsittacopes</i>	<i>Parapsittacopes bergdahl</i>	新属种	否	United Kingdom	Early Eocene	Journal of Systematic Palaeontology	A remarkably complete skeleton from the London Clay provides insights into the morphology and diversity of early Eocene zygodactyl near-passerine birds
		<i>Pica</i>	<i>Pica praepica</i>	新种	否	Bulgaria	Early Pleistocene	Bulletin of the Natural History Museum - Plovdiv	An Early Pleistocene magpie (<i>Pica praepica</i> sp. n.) (Corvidae Leach, 1820) from Bulgaria
		<i>Procellaria</i>	<i>Procellaria altirostris</i>	新种	否	New Zealand	Pliocene	Papéis Avulsos de Zoologia	A new fossil species of <i>Procellaria</i> (Aves: Procellariiformes) from the Pliocene of New Zealand

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Archosaur	Birds	<i>Tynskya</i>	<i>Tynskya waltonensis</i>	新种	否	United Kingdom	Eocene	PalZ	A partial skeleton of a new species of <i>Tynskya</i> Mayr, 2000 (Aves, Messelasturidae) from the London Clay highlights the osteological distinctness of a poorly known early Eocene "owl/parrot mosaic"		
		<i>Ueekenkoracias</i>	<i>Ueekenkoracias tambussiae</i>	新属种	否	Argentina	Eocene	Scientific Reports	Unexpected larger distribution of paleogene stem-rollers (AVES, CORACII): new evidence from the Eocene of Patagonia, Argentina		
		<i>Yuanchuavis</i>	<i>Yuanchuavis kompsosoura</i>	新属种	否	China	Early Cretaceous	Current Biology	An Early Cretaceous enantiornithine bird with a pinnial		
		<i>Yuornis</i>	<i>Yuornis junchangi</i>	新属种	否	China	Late Cretaceous	Geological Magazine	A new, remarkably preserved, enantiornithine bird from the Upper Cretaceous Qiupa Formation of Henan (central China) and convergent evolution between enantiornithines and modern birds		
		<i>Gallirallus</i>	<i>Gallirallus astolfoi</i>	新属种	否	French	Holocene	Taxonomy	An Extinct New Rail (<i>Gallirallus</i> , Aves: Rallidae) Species from Rapa Island, French Polynesia		
		<i>Vinchinavis</i>	<i>Vinchinavis paka</i>	新属种	否	Argentina	Miocene	Journal of South American Earth Sciences	Avian remains from the Toro Negro Formation (Neogene), Central Andes of Argentina		
		Pterosaurs		<i>Draigwenia</i>	<i>Draigwenia platystomus</i>	新属	否	United Kingdom	Late Cretaceous	Anais da Academia Brasileira de Ciências	On the validity of the genus <i>Amblydectes</i> Hooley 1914 (Pterodactyloidea, Anhangueridae) and the presence of Tropeognathinae in the Cambridge Greensand
				<i>Javelinadactylus</i>	<i>Javelinadactylus sagebieli</i>	新属	否	United States	Late Cretaceous	Biologia	A new azhdarchoid pterosaur from the Late Cretaceous Javelina Formation of Texas
				<i>Kariridraco</i>	<i>Kariridraco dianae</i>	新属种	否	Brazil	Early Cretaceous	Acta Palaeontologica Polonica	A new azhdarchoid pterosaur from the Lower Cretaceous of Brazil and the paleobiogeography of the Tapejaridae
				<i>Kumpengopterus</i>	<i>Kumpengopterus antipollicatus</i>	新种	否	China	Late Jurassic	Current Biology	A new darwinopteran pterosaur reveals arborealism and an opposed thumb"
		<i>Quetzalcoatlus</i>	<i>Quetzalcoatlus lawsoni</i>	新种	否	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Morphology and taxonomy of <i>Quetzalcoatlus</i> Lawson 1975 (Pterodactyloidea: Azhdarchoidea)		
		<i>Sinomacrops</i>	<i>Sinomacrops bondei</i>	新属种	否	China	Middle-Late Jurassic	PeerJ	<i>Sinomacrops bondei</i> , a new anurognathid pterosaur from the Jurassic of China and comments on the group		
		<i>Tacuadactylus</i>	<i>Tacuadactylus luciae</i>	新属种	否	Uruguay	Late Jurassic	Journal of South American Earth Sciences	A new ctenochasmatid (Pterosauria, Pterodactyloidea) from the late Jurassic of Uruguay		

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Archosaur		<i>Thapungaka</i>	<i>Thapungaka shawi</i>	新属种	否	Australia	Early Cretaceous	Journal of Vertebrate Paleontology	A new species of crested pterosaur (Pterodactyloidea, Anhangueridae) from the Lower Cretaceous (upper Albian) of Richmond, North West Queensland, Australia
		<i>Wellnhoferus</i>	<i>Wellnhoferus brevirostris</i>	新属种	是	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Morphology and taxonomy of <i>Quetzalcoatlus</i> Lawson 1975 (Pterodactyloidea: Azhdarchoidea)
		<i>Leptostomia</i>	<i>Leptostomia begaaensis</i>	新属种	否	Morocco	Cretaceous	Cretaceous Research	A long-billed, possible probe-feeding pterosaur (Pterodactyloidea: ?Azhdarchoidea) from the mid-Cretaceous of Morocco, North Africa
Synapsids		<i>Bulbadon</i>	<i>Bulbadon warburtonae</i>	新属种	否	Australia	Late Oligocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene-lower-Middle Miocene peramelemorphians from the Etadunna, Namba and Wipajiri formations of South Australia
		<i>Bulungu</i>	<i>Bulungu minkinaensis</i>	新种	否	Australia	Late Oligocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene-lower-Middle Miocene peramelemorphians from the Etadunna, Namba and Wipajiri formations of South Australia
		<i>Bulungu</i>	<i>Bulungu pinpaensis</i>	新种	否	Australia	Late Oligocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene-lower-Middle Miocene peramelemorphians from the Etadunna, Namba and Wipajiri formations of South Australia
		<i>Bulungu</i>	<i>Bulungu westermanni</i>	新种	否	Australia	Late Oligocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene-lower-Middle Miocene peramelemorphians from the Etadunna, Namba and Wipajiri formations of South Australia
		<i>Caenolestoides</i>	<i>Caenolestoides miocaenicus</i>	新属种	否	Argentina	Early Miocene	Zoological Journal of the Linnean Society	Review of the extinct 'shrew-opossums' (Marsupialia: Caenolestidae), with descriptions of two new genera and three new species from the Early Miocene of southern South America
		<i>Diogenesia</i>	<i>Diogenesia brevirostri</i>	新属种	否	Brazil	Itaboraian	Anais da Academia Brasileira de Ciências	A new derorhynchid (Mammalia, Metatheria) from the early Eocene Itaboraí fauna of Brazil with comments on its affinities
		<i>Gaimanlestes</i>	<i>Gaimanlestes pascuali</i>	新属种	否	Argentina	Early Miocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene-lower-Middle Miocene peramelemorphians from the Etadunna, Namba and Wipajiri formations of South Australia

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Synapsids	Metatherians	<i>Scalariadelphys</i>	<i>Scalariadelphys</i>	新属	是	United States	Late Cretaceous	Journal of Vertebrate Paleontology	Scalariadelphys Nom. Nov. A New Replacement Name for <i>Scalaria</i> Cohen et al., 2020 (Marsupialiformes, Aquiladelphidae)	
		<i>Stilotherium</i>	<i>Stilotherium parvum</i>	新种	否	Argentina	Early Miocene	Alcheringa: An Australasian Journal of Palaeontology	Upper Oligocene–lower-Middle Miocene peramelomorphians from the Etadunna, Nambra and Wipajiri formations of South Australia	
		<i>Nootherium</i>	<i>Nootherium emilioi</i>	新属种	否	Argentina	Eocene	Journal of Mammalian Evolution	The Early Eocene Climatic Optimum at the Lower Section of the Lumbra Formation (Ypresian, Salta Province, Northwestern Argentina): Origin and Early Diversification of the Cingulata	
	Xenarthrans		PAROCNUS	<i>Parocnus dominicanus</i>	新种	否	Dominican Republic	Late Pleistocene-early Holocene	Vertebrate Anatomy Morphology	New species of the ground sloth Parocnus from the late Pleistocene-early Holocene of Hispaniola
			PLESIODASYPUS	<i>Plesiodasypus colombianus</i>	新属种	否	Colombia	Middle Miocene	Historical Biology	Oldest new Dasyppodini (Xenarthra, Cingulata) provides new trails about armadillos evolutionary history
			<i>Saltatherium</i>	<i>Saltatherium rosaurae</i>	新属种	否	Argentina	Middle Eocene	Journal of South American Earth Sciences	New assemblage of cingulates from the Quebrada de Los Colorados Formation (middle Eocene) at Los Cardones National Park (Salta Province, Argentina) and the Casamayoran SALMA problem at the Northwestern Argentina
			SIMILHAPALOPS	<i>Similhapalops nivis</i>	新属种	否	Argentina	Deseadan	Papers in Palaeontology	The late Oligocene xenarthran fauna of Quebrada Fiera (Mendoza, Argentina) and its implications for sloth origins and the diversity of Palaeogene cingulates
			UTAETINI	<i>Utaetus magnum</i>	新种	否	Argentina	Eocene	Revista Brasileira de Paleontologia	New Cingulata (Mammalia, Xenarthra) from the Upper Lumbra Formation (Bartonian, middle Eocene), Salta Province, Argentina
			<i>Zacatzontli</i>	<i>Zacatzontli cotobrusensis</i>	新种	否	Costa Rica	Hemphillian	Journal of Paleontology	The oldest known record of a ground sloth (Mammalia, Xenarthra, Folivora) from Hispaniola: evolutionary and paleobiogeographical implications
			<i>Afrohyseiodontus</i>	<i>Afrohyseiodontus grandis</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Micro-cursorial mammals from the late Eocene tufas at Eociffi, Namibia

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Synapsids	Afrotherians	<i>Dagbatitherium</i>	<i>Dagbatitherium tassyi</i>	新属种	否	Togo	Eocene	Proceedings of the Royal Society B: Biological Sciences	New Middle Eocene proboscidean from Togo illuminates the early evolution of the elephantiform-like dental pattern
		<i>Eorhynchocyon</i>	<i>Eorhynchocyon rupestris</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Micro-cursorial mammals from the late Eocene tufas at Eocliff, Namibia
		<i>Namasengi</i>	<i>Namasengi mockeae</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Micro-cursorial mammals from the late Eocene tufas at Eocliff, Namibia
		<i>Oligorhynchocyon</i>	<i>Oligorhynchocyon songwensis</i>	新属种	否	Tanzania	Late Oligocene	Historical Biology	Macroscelideans (Myohyracinae and Rhynchoyoniinae) from the late Oligocene Nsungwe formation of the Rukwa Rift Basin, southwestern Tanzania
		<i>Promyohyrax</i>	<i>Promyohyrax namibiensis</i>	新属种	否	Namibia	Eocene	Communications of the Geological Survey of Namibia	Micro-cursorial mammals from the late Eocene tufas at Eocliff, Namibia
		<i>Rukwasengi</i>	<i>Rukwasengi butleri</i>	新属种	否	Tanzania	Late Oligocene	Historical Biology	Macroscelideans (Myohyracinae and Rhynchoyoniinae) from the late Oligocene Nsungwe formation of the Rukwa Rift Basin, southwestern Tanzania
		<i>Afrillomura</i>	<i>Afrillomura namibensis</i>	新属种	否	Namibia	Miocene	Historical Biology	The new small emballonurid (Emballonuridae, Chiroptera, Mammalia) from the Miocene of Africa: its phylogenetic and palaeogeographic implications
		<i>Altaynycteris</i>	<i>Altaynycteris aurora</i>	新属种	否	China	Early Eocene	Biology Letters	The earliest Asian bats (Mammalia: Chiroptera) address major gaps in bat evolution
		<i>Boleatherium</i>	<i>Boleatherium praeludium</i>	新属种	否	Argentina	Miocene	Journal of Systematic Palaeontology	A new Interatheriinae (Mammalia, Notoungulata) from the Cerro Boleadoras Formation (Santa Cruz, Argentina) and the evolution of the tarsus within the lineage during the Miocene
		<i>Colbertia</i>	<i>Colbertia fatui</i>	新种	否	Argentina	Eocene	Acta Palaeontologica Polonica	New Eocene South American native ungulates from the Quebrada de los Colorados Formation at Los Cardones National Park, Argentina
		<i>Nanolophodon</i>	<i>Nanolophodon tutuca</i>	新属种	否	Brazil	Early Eocene	Ameghiniana	A new basal notoungulate from the Itaboraí Basin (Paleogene) of Brazil

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Synapsids	Notoungulates	<i>Neiocochilus</i>	<i>Neiocochilus undulatus</i>	新属	是	Argentina	Santaucrucian	Journal of Vertebrate Paleontology	A new genus of Interatheriinae (Interatheriidae, Notoungulata) from the Santa Cruz Formation (early-middle Miocene), Santa Cruz Province, Argentina, and the revision of the genus <i>Cochilius</i> Ameghino, 1902	
		<i>Teushentherium</i>	<i>Teushentherium camaronsensis</i>	新属种	否	Argentina	Oligocene	Journal of Systematic Palaeontology	A new toxodont (Mammalia, Panperissodactyla, Notoungulata) from the Oligocene of Patagonia, Argentina, and systematic considerations on the paraphyletic 'Notohippidae'	
			<i>Elasmotherium</i>	<i>Elasmotherium primigenium</i>	新种	否	China	Late Miocene	Historical Biology	The most primitive Elasmotherium (<i>Perissodactyla</i> , Rhinocerotidae) from the Late Miocene of northern China
			<i>Eoazara</i>	<i>Eoazara xerrii</i>	新属种	否	Morocco	Late Miocene	Acta Palaeontologica Polonica	A new late Miocene elasmotheriine rhinoceros from Morocco
			<i>Eomoropus</i>	<i>Eomoropus meridionalis</i>	新种	否	Thailand	Late Eocene	Journal of Vertebrate Paleontology	New fossil remains from Bang Mark locality, Krabi Basin, southern Thailand
			<i>Leptolophus</i>	<i>Leptolophus franzeni</i>	新种	否	Spain	Late Eocene	Journal of Vertebrate Paleontology	New <i>Leptolophus</i> (Palaeotheriidae) species from the Iberian Peninsula and early evidence of hypsodonty in an Eocene perissodactyl
		Odd-toed ungulates	<i>Leptolophus</i>	<i>Leptolophus cuestai</i>	新种	否	Spain	Late Eocene	Journal of Vertebrate Paleontology	New <i>Leptolophus</i> (Palaeotheriidae) species from the Iberian Peninsula and early evidence of hypsodonty in an Eocene perissodactyl
	<i>Nesorhinus</i>		<i>Nesorhinus philippinensis</i>	新属	否	Philippines	Pleistocene	Zoological Journal of the Linnean Society	A new rhinoceros clade from the Pleistocene of Asia sheds light on mammal dispersals to the Philippines	
			<i>Paraceratherium</i>	<i>Paraceratherium linxiaense</i>	新种	否	China	Oligocene	Communications in Biology	An Oligocene giant rhino provides insights into Paraceratherium evolution
			<i>Pliorhinus</i>	<i>Pliorhinus megarhinus</i>	新属	否	Belgium	Early Pliocene	Journal of Systematic Palaeontology	Northern Eurasian rhinocerotines (Mammalia, Perissodactyla) by the Pliocene-Pleistocene transition: phylogeny and historical biogeography
			<i>Ronzotherium</i>	<i>Ronzotherium heissigi</i>	新种	是	France	Oligocene	European Journal of Taxonomy	"New species, revision, and phylogeny of <i>Ronzotherium</i> Aymard, 1854 (<i>Perissodactyla</i> , Rhinocerotidae)"
		Even-toed ungulates	<i>Amphimoschus</i>	<i>Amphimoschus xishuiensis</i>	新种	否	China	Miocene	Zoological Journal of the Linnean Society	The early evolution of cranial appendages in Bovoidea revealed by new species of <i>Amphimoschus</i> (Mammalia: Ruminantia) from China

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Synsapsids	Even-toed ungulates	<i>Chiyoumeryx</i>	<i>Chiyoumeryx flavimperatoris</i>	新属种	否	China	Late Eocene	Scientific Reports	Ruminants reveal Eocene Asiatic palaeobiogeographical provinces as the origin of diachronous mammalian Oligocene dispersals into Europe	
		<i>Colbertchoerus</i>		新属	否	United States	Barstovian-Clarendonian	New Mexico Museum of Natural History and Science Bulletin	New Mexico Museum of Natural History and Science Bulletin	
		<i>Eritianhyus</i>	<i>Eritianhyus primitivus</i>	新属种	否	China	Eocene	Historical Biology	Historical Biology	A new middle Eocene bunodont artiodactyl from the Ertian Basin (Nei Mongol, China)
		<i>Etruscotherium</i>	<i>Etruscotherium ribollaense</i>	新属种	否	Italy	Miocene	Historical Biology	Historical Biology	Europe's last anthracothere (Artiodactyla, Mammalia) from Ribolla (MN 12) Italy
		<i>Gangraia</i>	<i>Gangraia anatolica</i>	新属种	否	Turkey	Late Miocene	Fossil Record	Fossil Record	A new late Miocene bovid (Mammalia: Artiodactyla: Bovidae) from Çorakyerler (Turkey)
		<i>Gentokeryx</i>	<i>Gentokeryx namus</i>	新属	否	Thailand	Late Eocene	Journal of Vertebrate Paleontology	Journal of Vertebrate Paleontology	New fossil remains from Bang Mark locality, Krabi Basin, southern Thailand
		<i>Iberomeryx</i>	<i>Iberomeryx mitaoi</i>	新种	否	China	Late Eocene	Scientific Reports	Scientific Reports	Ruminants reveal Eocene Asiatic palaeobiogeographical provinces as the origin of diachronous mammalian Oligocene dispersals into Europe
		<i>Mckennalyus</i>	<i>Mckennalyus parisidutrai</i>	新属种	否	United States	Middle Clarendonian	New Mexico Museum of Natural History and Science Bulletin	New Mexico Museum of Natural History and Science Bulletin	Mckennalyus parisidutrai, a new late Miocene peccary with bizarre flaring cheekbones
		<i>Praesinomegaceros</i>	<i>Praesinomegaceros bakri</i>	新种	否	Pakistan	Early Pleistocene	Quaternary International	Quaternary International	A new deer species (Cervidae, Mammalia) from the upper Siwaliks (Pakistan)
		<i>Rajouria</i>	<i>Rajouria gunnelli</i>	新属种	否	India	Middle Eocene	"Geobios"	"Geobios"	A new basal raeellid artiodactyl (Mammalia) from the middle Eocene Subathu Group of Rajouri District, Jammu and Kashmir, northwest Himalaya, India
		<i>Stirtonhyus</i>	<i>Stirtonhyus xiphodonticus</i>	新属	否	United States	Barstovian-Clarendonian	New Mexico Museum of Natural History and Science Bulletin	New Mexico Museum of Natural History and Science Bulletin	The systematics of North American peccaries (Mammalia: Artiodactyla: Tayassuidae)

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Synapsids	Even-toed ungulates	<i>Tedfordhyus</i>	<i>Tedfordhyus occidentale</i>	新属	否	Panama	Barstovian-Clarendonian	New Mexico Museum of Natural History and Science Bulletin	The systematics of North American peccaries (Mammalia: Artiodactyla: Tayassuidae)	
		<i>Webbochoerus</i>	<i>Webbochoerus macfaddeni</i>	新属种	否	United States	Late Clarendonian	New Mexico Museum of Natural History and Science Bulletin	Webbochoerus macfaddeni, a new fossil peccary from the late Miocene of Florida	
		<i>Berardius</i>	<i>Berardius kobayashii</i>	新种	否	Japan	Miocene	Royal Society Open Science	The oldest fossil record of the extant genus <i>Berardius</i> (Odontoceti, Ziphiidae) from the Middle to Late Miocene boundary of the western North Pacific	
	Cetaceans	<i>Isoninia</i>	<i>Isoninia borealis</i>	新属种	否	United States	Miocene	Miocene	Fossil Record	A new odontocete (Inioidea, Odontoceti) from the late Neogene of North Carolina, USA
		<i>Kennedycetus</i>	<i>Kennedycetus pericorum</i>	新属种	否	Mexico	Late Miocene	Miocene	Journal of South American Earth Sciences	Late Miocene balaenopterid (Cetacea: Mysticeti) from Baja California Sur, Mexico
		<i>Kentriodon</i>	<i>Kentriodon sugawarai</i>	新种	是	Japan	Miocene	Miocene	PeerJ	A new kentriodontid (Cetacea: Odontoceti) from the early to middle Miocene of the western North Pacific and a revision of kentriodontid phylogeny
		<i>Kogia</i>	<i>Kogia danomurai</i>	新种	否	Peru	Late Miocene	Late Miocene	Papers in Palaeontology	Nasal compartmentalization in Kogiidae (Cetacea, Physeteroidea): insights from a new late Miocene dwarf sperm whale from the Pisco Formation
		<i>Phiomicetus</i>	<i>Phiomicetus anubis</i>	新属种	否	Egypt	Eocene	Eocene	Proceedings of the Royal Society B: Biological Sciences	A new protocetid whale offers clues to biogeography and feeding ecology in early cetacean evolution
		<i>Pliodelphis</i>	<i>Pliodelphis doelensis</i>	新属种	否	Belgium	Pliocene	Pliocene	Fossil Record	A new delphinid from the lower Pliocene of the North Sea and the early radiations of true dolphins
		<i>Ammitocyon</i>	<i>Ammitocyon kainos</i>	新属种	否	Spain	Late Miocene	Late Miocene	Journal of Systematic Palaeontology	<i>Ammitocyon kainos</i> gen. et sp. nov., a chimerical amphicyonid (Mammalia, Carnivora) from the late Miocene carnivore traps of Cerro de los Batallones (Madrid, Spain)

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Carnivorans	Carnivorans	<i>Canis</i>	<i>Canis orcanis</i>	新种	否	Spain	Early Pleistocene	Comptes Rendus Palevol	A new species of dog from the Early Pleistocene site of Venta Micena (Orce, Baza Basin, Spain)	
		<i>Cynelos</i>	<i>Cynelos jitu</i>	新种	否	Kenya	Early Miocene	Acta Palaeontologica Polonica	Systematics and paleobiology of <i>Carnivora</i> and <i>Hyaenodonta</i> from the lower Miocene of Buluk, Kenya	
		<i>Dehmicyon</i>	<i>Dehmicyon schlosseri</i>	新属	否	Czech	Early Miocene	Fossil Imprint	Communications of the Geological Survey of Namibia	The Amphicyoninae (Amphicyonidae, Carnivora, Mammalia) of the early Miocene from Turohořice, the Czech Republic
		<i>Dunicitis</i>	<i>Dunicitis senutae</i>	新属	是	Kenya	Early Miocene	Communications of the Geological Survey of Namibia	Taxonomic revision of the genus <i>Leptoplesictis</i> (Viverridae, Mammalia) with description of new fossils from Grillental VI (Namibia) and Moratilla 2 (Spain)	
		<i>Eomellivora</i>	<i>Eomellivora moralesi</i>	新种	否	Spain	Miocene	Historical Biology	Historical Biology	A new species of <i>Eomellivora</i> from the latest Aragonian of Abocador de Can Mata (NE Iberian Peninsula)
		<i>Eucyon</i>	<i>Eucyon khoikhoi</i>	新种	否	South Africa	Early Pliocene	Zoological Journal of the Linnean Society	Zoological Journal of the Linnean Society	<i>Eucyon khoikhoi</i> sp. nov. (Carnivora: Canidae) from Langebaanweg 'E' Quarry (early Pliocene, South Africa): the most complete African canini from the Mio-Pliocene
		<i>Eusmilus</i>	<i>Eusmilus adelos</i>	新种	否	United States	Early Oligocene	Scientific Reports	Scientific Reports	The largest hoplophomine and a complex new hypothesis of nimravid evolution
		<i>Forsythictis</i>	<i>Forsythictis ibericus</i>	新属	是	France	Middle Miocene	Communications of the Geological Survey of Namibia	Communications of the Geological Survey of Namibia	Taxonomic revision of the genus <i>Leptoplesictis</i> (Viverridae, Mammalia) with description of new fossils from Grillental VI (Namibia) and Moratilla 2 (Spain)
		<i>Gansuyaena</i>	<i>Gansuyaena megalotis</i>	新属种	否	China	Miocene	Vertebrata Palasiatica	Vertebrata Palasiatica	A new aardwolf-line fossil hyena from Middle and Late Miocene deposits of Linxia Basin, Gansu, China
		<i>Machairodus</i>	<i>Machairodus lahayishupup</i>	新种	否	United States	Miocene	Journal of Mammalian Evolution	Journal of Mammalian Evolution	Quantitative analyses of feliform humeri reveal the existence of a very large cat in North America during the Miocene
		<i>Magnotherium</i>	<i>Magnotherium johnsii</i>	新属种	否	United States	Late Miocene	Historical Biology	Historical Biology	A new unusual <i>Monachinae</i> from the Neogene of the Atlantic Coastal Plain (Maryland, USA)
		<i>Oaxacagale</i>	<i>Oaxacagale ruitzi</i>	新属种	否	Mexico	Paleogene	Journal of South American Earth Sciences	Journal of South American Earth Sciences	The first Paleogene mustelid (Mammalia, Carnivora) from southern North America and its paleontologic significance

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Carnivorans	Carnivorans	<i>Planopusa</i>	<i>Planopusa semenovi</i>	新属种	否	Ukraine	Middle-late Miocene	Zoodiversity	Unique Short-Faced Miocene Seal Discovered in Grytsiv (Ukraine)
		<i>Protocyon</i>	<i>Protocyon orocualensis</i>	新种	否	Venezuela	Late Pliocene/Early Pleistocene	Ameghiniana	Canids (Caninae) from the past of Venezuela
		<i>Sonitictis</i>	<i>Sonitictis moralesi</i>	新属种	否	China	Miocene	Historical Biology	Sonitictis moralesi, gen. et sp. nov, a new hypercarnivorous and durophagous mustelid from middle Miocene Tunggur Formation, Inner Mongolia, China and its functional morphology
		<i>Vishnuonyx</i>	<i>Vishnuonyx chinjiensis</i>	新种	否	Germany	Miocene	Journal of Vertebrate Paleontology	New early late Miocene species of Vishnuonyx (Carnivora, Lutrinae) from the hominid locality of Hammerschmiede, Bavaria, Germany
		<i>Vulpes</i>	<i>Vulpes rooki</i>	新种	否	China	Pliocene	Rivista Italiana di Paleontologia e Stratigrafia	A new large-sized Pliocene fox (Carnivora, Canidae) from Yushe Basin (Shanxi, China)
		<i>Paludocyon</i>		新属	否	Czech	Early Miocene	Fossil Imprint	The Amphicyoninae (Amphicyonidae, Carnivora, Mammalia) of the early Miocene from Turohořice, the Czech Republic
		<i>Aliveria</i>	<i>Aliveria mojmiri</i>	新种	否	Czech	Early Miocene	Historical Biology: An International Journal of Paleobiology	“Aliveria mojmiri sp. nov. among other flying and ground squirrels(Rodentia, Mammalia) from the early Miocene of Mokrá-Quarry sites(Moravia, Czech Republic)”
		<i>Asteromys</i>	<i>Asteromys puelche</i>	新种	否	Argentina	Descadan	Journal of Vertebrate Paleontology	New late Oligocene caviomorph rodents from Mendoza Province
		<i>Auroremys</i>	<i>Auroremys subita</i>	新属	否	France	Eocene	Palaeovertebrata	The beginning of the adaptive radiation of Theridomorpha (Rodentia) in Western Europe: morphological and phylogenetic analyses of early and middle Eocene taxa; implications for systematics
		<i>Balsayacy</i>	<i>Balsayacy huallagaensis</i>	新属种	否	Peru	Eocene	PalZ	Eocene caviomorph rodents from Balsayacu (Peruvian Amazonia)
Rodents	Rodents	<i>Batomys</i>	<i>Batomys cagayanensis</i>	新种	否	Philippines	Pleistocene	Journal of Mammalogy	Three new extinct species from the endemic Philippine cloud rat radiation (Rodentia, Muridae, Phloeomyini)
		<i>Caecocricetodon</i>	<i>Caecocricetodon yani</i>	新属种	否	China	Early Oligocene	Journal of Vertebrate Paleontology	A new glirid-like cricetid from the lower Oligocene of southern China

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Carnivorans	Rodents	<i>Caribeomys</i>	<i>Caribeomys merzeraudi</i>	新属种	否	United States	Early Oligocene	Papers in Palaeontology	An unpredicted ancient colonization of the West Indies by North American rodents: dental evidence of a geomorph from the early Oligocene of Puerto Rico
		<i>Carpomys</i>	<i>Carpomys dakal</i>	新种	否	Philippines	Pleistocene to late Holocene	Journal of Mammalogy	Three new extinct species from the endemic Philippine cloud rat radiation (Rodentia, Muridae, Phloeomyini)
		<i>Chachapoyomys</i>	<i>Chachapoyomys kathetos</i>	新属种	否	Peru	Eocene	PalZ	Eocene caviomorph rodents from Balsayacu (Peruvian Amazonia)
		<i>Crateromys</i>	<i>Crateromys ballik</i>	新种	否	Philippines	Pleistocene to late Holocene	Journal of Mammalogy	Three new extinct species from the endemic Philippine cloud rat radiation (Rodentia, Muridae, Phloeomyini)
		<i>Ctenomys</i>	<i>Ctenomys rusconii</i>	新种	否	Argentina	Early Pleistocene	Journal of Systematic Palaeontology	"A new Pleistocene Ctenomys and divergence dating of the hyperdiverse South American rodent family Ctenomyidae"
		<i>Daxneria</i>	<i>Daxneria fragilis</i>	新属种	否	Turkey	Late Oligocene	Historical Biology	New rodents from the late Oligocene site of Gözükkızıllı in Anatolia (Turkey)
		<i>Eucricetodon</i>	<i>Eucricetodon oculatus</i>	新种	否	Turkey	Late Oligocene	Historical Biology	New rodents from the late Oligocene site of Gözükkızıllı in Anatolia (Turkey)
		<i>Eucricetodon</i>	<i>Eucricetodon ruber</i>	新种	否	Turkey	Late Oligocene	Historical Biology	New rodents from the late Oligocene site of Gözükkızıllı in Anatolia (Turkey)
		<i>Lophiomys</i>	<i>Lophiomys inhausti maremortum</i>	新种	否	Israel	Late Pleistocene	Proceedings of the National Academy of Sciences of the United States of America	Rare crested rat subfossils unveil Afro-Eurasian ecological corridors synchronous with early human dispersals
		<i>Megalomys</i>	<i>Megalomys camerhogne</i>	新种	否	Grenada	Holocene	Zootaxa	Extinct insular oryzomyine rice rats (Rodentia: Sigmodontinae) from the Grenada Bank, southern Caribbean
		<i>Metacaremys</i>	<i>Metacaremys primitiva</i>	新属种	否	Argentina	Late Miocene to Miocene-Pliocene boundary	Papers in Palaeontology	"Evolutionary pattern of Metacaremys gen. nov. (Rodentia, Octodontidae) and its biochronological implications for the late Miocene and early Pliocene of southern South America"
		<i>Microscleromys</i>	<i>Microscleromys paradoxalis</i>	新属种	否	Colombia	Laventan	PLOS ONE	Late middle Miocene caviomorph rodents from Tarapoto, Peruvian Amazonia

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Carnivorans	Rodents	<i>Microstiomys</i>	<i>Microstiomys jacobsi</i>	新属种	否	Colombia	Laventan	PLOS ONE	Late middle Miocene caviomorph rodents from Tarapoto, Peruvian Amazonia
		<i>Miochinchilla</i>	<i>Miochinchilla plurinacionalis</i>	新属种	否	Bolivia	Miocene	Journal of Mammalian Evolution	New Chinchillid Rodents (Hystricognathi: Caviomorpha) from Northern Chile and Bolivia Fill a 17-Million-Year Gap in the Pan-Chinchilline Fossil Record
		<i>Myomimus</i>	<i>Myomimus tanjuae</i>	新种	否	Turkey	Early Miocene	Journal of Paleontology	Micromammals from the late early Miocene of Çapak (western Anatolia) herald a time of change
		<i>Noamys</i>	<i>Noamys hypsodonta</i>	新属种	否	Argentina	Late Miocene	Journal of South American Earth Sciences	A new mammalian assemblage for Guanaco Formation (northwestern Argentina), and the description of a new genus of New World porcupine
		<i>Nuyuyomys</i>	<i>Nuyuyomys chinagaska</i>	新属种	否	Peru	Colloncuran-Laventan	PLOS ONE	Late middle Miocene caviomorph rodents from Tarapoto, Peruvian Amazonia
		<i>Pannoniamys</i>	<i>Pannoniamys paragovensis</i>	新属种	否	Serbia	Late Oligocene	Palaeobiodiversity and Palaeoenvironments	New late Oligocene rodent faunas from the Pannonian basin
		<i>Paralonchothrix</i>	<i>Paralonchothrix ponderosus</i>	新属	否	Argentina	Late Miocene	Earth and Environmental Science Transactions of the Royal Society of Edinburgh	"Paralonchothrix gen. nov., the first record of Echimyini (Rodentia, Octodontoidea) in the late Miocene of Southern South America"
		<i>Qatranimys</i>	<i>Qatranimys safroutius</i>	新属种	否	Egypt	Late Eocene	PeerJ	New phiocricetomyine rodents (Hystricognathi) from the Jebel Qatrani Formation, Fayum Depression, Egypt
		<i>Reinomys</i>	<i>Reinomys rhomboides</i>	新属种	否	France	Eocene	Palaeovertebrata	The beginning of the adaptive radiation of Theridomorpha (Rodentia) in Western Europe: morphological and phylogenetic analyses of early and middle Eocene taxa: implications for systematics
		<i>Ricardomys</i>	<i>Ricardomys longidens</i>	新属种	否	Colombia	Laventan	PLOS ONE	Late middle Miocene caviomorph rodents from Tarapoto, Peruvian Amazonia
		<i>Yuomys</i>	<i>Yuomys robustus</i>	新种	否	China	Late Eocene	Journal of Vertebrate Paleontology	"New species of Yuomys (Rodentia, Ctenodactyloidea) from the upper Eocene of eastern Ningxia, China"

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Carnivorans	Primates	<i>Homo</i>	<i>Homo bodoensis</i>	新种	否	Ethiopia	Middle Pleistocene	Evolutionary Anthropology: Issues, News, and Reviews	Resolving the "muddle in the middle": The case for <i>Homo bodoensis</i> sp. nov
		<i>Homo</i>	<i>Homo longi</i>	新种	否	China	Middle Pleistocene	The Innovation	Late Middle Pleistocene Harbin cranium represents a new <i>Homo</i> species
		<i>Micropithecus</i>	<i>Micropithecus chamwaraensis</i>	新种	是	Kenya	Miocene	Münchner Geowissenschaftliche Abhandlungen Reihe A: Geologie und Paläontologie	Revision of the smaller-bodied anthropoids from Napak, early Miocene, Uganda: 2011-2020 collections
		<i>Pronycticebus</i>	<i>Pronycticebus cosensis</i>	新种	否	France	Eocene	Geobios	Primates and Plesiadapiformes from Cos (Eocene); Quercy, France
		<i>Protoadapis</i>	<i>Protoadapis andrei</i>	新种	否	France	Eocene	Geobios	Primates and Plesiadapiformes from Cos (Eocene); Quercy, France
		<i>Quercyloris</i>	<i>Quercyloris eloisae</i>	新属种	否	France	Eocene	Geobios	Primates and Plesiadapiformes from Cos (Eocene); Quercy, France
		<i>Simonstius</i>	<i>Simonstius harujensis</i>	新种	否	Libya	Early Oligocene	Journal of Human Evolution	A new parapatheine (Primates: Anthropoidea) from the early Oligocene of Libya supports parallel evolution of large body size among parapatheicids
		<i>Alloptox</i>	<i>Alloptox gudrunae</i>	新种	否	Mongolia	Early Oligocene	Paleontological Journal	A review of the genus <i>Alloptox</i> (Lagomorpha, Ochotonidae) from the Valley of Lakes, central Mongolia, with description of a new species
		<i>Arcius</i>	<i>Arcius moniquae</i>	新种	否	France	Eocene	Geobios	Primates and Plesiadapiformes from Cos (Eocene); Quercy, France
		<i>Asiapator</i>	<i>Asiapator onchin</i>	新属种	否	Mongolia	Irdinmanhan	Journal of Mammalian Evolution	First Apatemyid Mammal from Central Asia
Other eutherians		<i>Azilestes</i>	<i>Azilestes ragei</i>	新属种	否	France	Maastrichtian	Comptes Rendus Palevol	An enigmatic specialized neweutherian mammal from the Late Cretaceous of Western Europe (Northern Pyrenees)
		<i>Beornus</i>	<i>Beornus honeyi</i>	新属种	否	United States	Puercan	Journal of Systematic Palaeontology	New earliest Paleocene (Puercan) periprychid 'condylarths' from the Great Divide Basin, Wyoming, USA
		<i>Conacodon</i>	<i>Conacodon hettingeri</i>	新种	否	United States	Puercan	Quaternary International.	Presence of the ground sloth <i>Valgipes bucklandi</i> (<i>Xenarthra</i> , <i>Folivora</i> , <i>Scelidotheriinae</i>) in southern Uruguay during the Late Pleistocene: Ecological and biogeographical implications

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Carnivorans	Other eutherians	<i>Cynohyaenodon</i>	<i>Cynohyaenodon smithae</i>	新种	否	France	Eocene	Journal of Vertebrate Paleontology	“The neurocranium of Ekweeconfractus amorui gen. et sp. nov.(Hyaenodonta, Mammalia) and the evolution of the brain in somehyaenodontan carnivores”
		<i>Eurotherium</i>	<i>Eurotherium mapplethorpei</i>	新种	否	France	Eocene	Journal of Vertebrate Paleontology	“The neurocranium of Ekweeconfractus amorui gen. et sp. nov.(Hyaenodonta, Mammalia) and the evolution of the brain in somehyaenodontan carnivores”
		<i>Lesmesodon</i>	<i>Lesmesodon gumelli</i>	新种	否	France	Eocene	Journal of Vertebrate Paleontology	“The neurocranium of Ekweeconfractus amorui gen. et sp. nov.(Hyaenodonta, Mammalia) and the evolution of the brain in somehyaenodontan carnivores”
		<i>Ectocion</i>	<i>Ectocion stockeyae</i>	新种	否	Canada	Late Paleocene	Canadian Journal of Earth Sciences	“new, “dwarfed”“ species of the phenacodontid ” “condylarth”“ Ectocion from the late Paleocene of Alberta, Canada, and its implications”
		<i>Ekweeconfractus</i>	<i>Ekweeconfractus amorui</i>	新属种	否	Kenya	Early Miocene	Journal of Vertebrate Paleontology	“The neurocranium of Ekweeconfractus amorui gen. et sp. nov.(Hyaenodonta, Mammalia) and the evolution of the brain in somehyaenodontan carnivores”
		<i>Hyopsodus</i>	<i>Hyopsodus arshantensis</i>	新种	否	China	Eocene	Acta Palaeontologica Polonica	A new species of the “condylarth” Hyopsodus from the middle Eocene of the Erlian Basin, Inner Mongolia, China, and its biostratigraphic implications
		<i>Indomyctia</i>	<i>Indomyctia cambayensis</i>	新属种	否	India	Early Eocene	Historical Biology	A nyctitheriid insectivore(Eulipotyphla, Mammalia) of Asian affinity from the early Eocene of India
		<i>Micropternodus</i>	<i>Micropternodus bassidens</i>	新种	否	United States	Chadronian	Paludicola	Insectivoretrans from the Medicine Pole Hills local fauna (Chadronian) of BowmanCounty, North Dakota
		<i>Miniconus</i>	<i>Miniconus jeamminae</i>	新属种	否	United States	Early Paleocene	Journal of Systematic Palaeontology	New earliest Paleocene(Pueran) peritypehid “condylarths” from the Great Divide Basin, Wyoming, USA

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Carnivorans	Other eutherians	<i>Neovulpavus</i>	<i>Neovulpavus meccarolli</i>	新种	否	United States	Uintian	Journal of Anatomy	Comparative anatomy and phylogenetic contribution of intracranial osseous canals and cavities in armadillos and glyptodonts (Xenarthra, Cingulata)
		<i>Oligoryctes</i>	<i>Oligoryctes amplissimus</i>	新种	否	United States	Chadronian	Paludicola	Insectivorans from the Medicine Pole Hills local fauna (Chadronian) of Bowman County, North Dakota
		<i>Purgatorius</i>	<i>Purgatorius mckeeveri</i>	新种	否	United States	Paleocene	Royal Society Open Science	Earliest Paleocene purgatorids and the initial radiation of stem primates
		<i>Smutsia</i>	<i>Smutsia olteniensis</i>	新种	否	Romania	Pleistocene	Journal of Vertebrate Paleontology	The youngest pangolin (Mammalia, Pholidota) from Europe
		<i>Aenigmamys</i>	<i>Aenigmamys aries</i>	新属种	否	Canada	Early Paleocene	Canadian Journal of Earth Sciences	First mammal from the Willow Creek Formation: a new early Paleocene pitilodontid (Mammalia, Multituberculata) from near Calgary, Alberta, Canada
		<i>Amarilloodon</i>	<i>Amarilloodon meridionalis</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	Early Late Cretaceous mammals from southern Patagonia (Santa Cruz province, Argentina)
		<i>Hercynodon</i>	<i>Hercynodon germanicus</i>	新属种	否	Germany	Late Jurassic	The Science of Nature	A derived dryolestid mammal indicates possible insular endemism in the Late Jurassic of Germany
		<i>Jueconodon</i>	<i>Jueconodon cheni</i>	新属种	否	China	Early Cretaceous	Nature	Fossoriality and evolutionary development in two Cretaceous mammaliamorphs
		<i>Kogaionon</i>	<i>Kogaionon radulescui</i>	新种	否	Romania	Late Cretaceous	Journal of Mammalian Evolution	A New Mammal Skull from the Late Cretaceous of Romania and Phylogenetic Affinities of Kogaionid Multituberculates
		<i>Nokerbaatar</i>	<i>Nokerbaatar minor</i>	新种	否	Mongolia	Early Cretaceous	Paleontological Journal	Multituberculata from the Early Cretaceous of Mongolia
		<i>Orretherium</i>	<i>Orretherium tzen</i>	新属种	否	Chile	Late Cretaceous	Scientific Reports	New cladotherian mammal from southern Chile and the evolution of mesungulatis meridolestidans at the dusk of the Mesozoic era
		<i>Treslagosodon</i>	<i>Treslagosodon shehuensis</i>	新属种	否	Argentina	Late Cretaceous	Cretaceous Research	Early Late Cretaceous mammals from southern Patagonia (Santa Cruz province, Argentina)
		<i>Yubaatar</i>	<i>Yubaatar qianzhouensis</i>	新种	否	China	Late Cretaceous	Acta Palaeontologica Sinica	A new multituberculata, Yubaatar qianzhouensis sp. nov.: the first Late Cretaceous mammal from Ganzhou Basin, Jiangxi Province

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Carnivorans	Non-mammalian synapsids	<i>Acratophorus</i>	<i>Acratophorus argentinensis</i>	新属	否	Argentina	Middle Triassic	Journal of South American Earth Sciences	Dicynodonts (Therapsida: Anomodontia) of South America
		<i>Borealestes</i>	<i>Borealestes cuillinensis</i>	新种	否	United Kingdom	Middle Jurassic	Zoological Journal of the Linnean Society	New species of mammaliaform and the cranium of Borealestes (Mammaliformes: Docodontia) from the Middle Jurassic of the British Isles
		<i>Dobunnodon</i>	<i>Dobunnodon mussettae</i>	新属	否	United Kingdom	Middle Jurassic	Zoological Journal of the Linnean Society	New species of mammaliaform and the cranium of Borealestes (Mammaliformes: Docodontia) from the Middle Jurassic of the British Isles
		<i>Fossiomanius</i>	<i>Fossiomanius sinensis</i>	新属种	否	China	Early Cretaceous	Nature	Fossoriality and evolutionary development in two Cretaceous mammaliamorphs
		<i>Impidens</i>	<i>Impidens hancoxi</i>	新属种	否	Antarctica	Middle Triassic	Journal of Vertebrate Paleontology	A new large gomphodont from the Triassic of South Africa and its implications for Gondwanan biostratigraphy
		<i>Isengops</i>	<i>Isengops luangwensis</i>	新属种	否	Zambia	Late Permian	Frontiers in Ecology and Evolution	A new late Permian burnetiamorph from Zambia confirms exceptional levels of endemism in Burnetiamorpha (Therapsida: Biarmosuchia) and an updated paleoenvironmental interpretation of the upper Madumabisa Mudstone Formation
		<i>Kannemeyeria</i>	<i>Kannemeyeria aganosteus</i>	新种	否	Argentina	Middle Triassic	Journal of South American Earth Sciences	Dicynodonts (Therapsida: Anomodontia) of South America
		<i>Mobaceras</i>	<i>Mobaceras zambeziense</i>	新属种	否	Zambia	Middle Permian	Papers in Palaeontology	A new burnetid from the middle Permian of Zambia and a reanalysis of burnetiamorph relationships
		<i>Shashajaita</i>	<i>Shashajaita bermani</i>	新属种	否	United States	Carboniferous	Royal Society Open Science	A Carboniferous synapsid with caniniform teeth and a reappraisal of mandibular size-shape heterodony in the origin of mammals
		<i>Turfanodon</i>	<i>Turfanodon jiuifengensis</i>	新种	否	China	Late Permian	PeerJ	The tetrapod fauna of the upper Permian Naobaogou Formation of China: 6. <i>Turfanodon jiuifengensis</i> sp. nov. (Dicynodontia)