

# Burmese (Myanmar) amber taxa, on-line supplement v.2020.1

Andrew J. Ross  
03/04/2020

Principal Curator of Palaeobiology  
Department of Natural Sciences  
National Museums Scotland  
Chambers St.  
Edinburgh EH1 1JF  
E-mail: [a.ross@nms.ac.uk](mailto:a.ross@nms.ac.uk)

<http://www.nms.ac.uk/collections-research/collections-departments/natural-sciences/palaeobiology/dr-andrew-ross/>

This taxonomic list is a supplement to Ross (2019, 2020) and follows the same format. It includes taxa described or recorded from the beginning of 2020 up to the end of March 2020, plus five species that were published last year but were missed. Please note that only phyla, classes and orders which include new taxa or corrected records are listed below.

As per the previous on-line checklists (but not Ross, 2020), in the bibliography, page numbers have been added to those papers that were published on-line previously without page numbers. The on-line year of publication is maintained and indicated accordingly if it is different from the year it was paginated. I have received confirmation from the Editor-in-Chief of *Cretaceous Research* that they have changed their numbering system. The journal is no longer using consecutive numbering in its papers, so papers that are assigned a volume number are regarded as published (on-line). The volume is printed when it is complete. This means that volumes 103-107 were published and printed in 2019 even though I referred to these papers as '(on-line)' in Ross (2020) and volumes 105-107 have '2020' at the top of the papers. The 'available online' date in *Cretaceous Research* papers was when the in-press version was uploaded.

New additions or changes to the published list and supplement (Ross, 2019, 2020) are marked in **blue**, corrections are marked in **red**.

Ross (2019, 2020) plus this supplement comprises 47 classes (or similar rank), 117 orders (or similar rank), 597 families, 1131 genera and 1574 species (excluding trace fossils, marine encrusters, Tiliin amber and copal records). This includes 8 classes, 65 orders, 534 families, 1026 genera and 1463 species of arthropods.

Hinkelman & Vršanska (2020) listed the 'protozoan' aff. *Coelosporidium periplanetae* Lutz & Splendore, 1903 however *Coelosporidium* is a junior synonym of *Nephridiophaga* and now considered to belong to Fungi (Lange, 1993; Radek *et al.*, 2017).

Many thanks to everyone who has supplied pdfs of their papers. So that I can keep the list up-to-date please continue to send me your pdfs and let me know of any corrections required (particularly due to taxonomic changes) and references of papers in press. This list will be periodically updated and made available on-line via webpage and Research Gate (though I don't know when I'll be able to get this current version posted on the webpage given the current Coronavirus lockdown).

If you find this list useful to your research please cite it as follows-

Ross, A.J. 2020. *Burmese (Myanmar) amber taxa, on-line supplement v.2020.1*. 25pp.  
<http://www.nms.ac.uk/explore/stories/natural-world/burmese-amber/>

## References

Hinkelman, J. & Vršanska, L. 2020. A Myanmar amber cockroach with protruding feces contains pollen and a rich microcenosis. *Science of Nature*, **107**(13), 1-19.  
<https://doi.org/10.1007/s00114-020-1669-y>

Lange, C.E. 1993. Unclassified protists of arthropods: The ultrastructure of *Nephridiophaga periplanetae* (Lutz & Splendore, 1903) n. comb., and the affinities of the Nephridiophagidae to other protists. *Journal of Eukaryotic Microbiology*, **40**(6), 689-700.  
<https://doi.org/10.1111/j.1550-7408.1993.tb04461.x>

Radek, R., Wurzbacher, C., Gisder, S., Henrik Nilsson, R., Owerfeldt, A., Genersch, E., Kirk, P.M. & Voigt, K. 2017. Morphologic and molecular data help adopting the insect-pathogenic nephridiophagids (Nephridiophagidae) among the early diverging fungal lineages, close to the Chytridiomycota. *MycKeys*, **25**, 31-50.  
<https://doi.org/10.3897/mycokeys.25.12446>

Ross, A.J. 2019. Burmese (Myanmar) amber checklist and bibliography 2018. *Palaeoentomology*, **2**(1), 22-84.  
<https://doi.org/10.11646/palaeoentomology.2.1.5>

Ross, A.J. 2020. Supplement to the Burmese (Myanmar) amber checklist and bibliography, 2019. *Palaeoentomology*, **3**(1), 103-118.  
<https://doi.org/10.11646/palaeoentomology.3.1.14>

**HEXAPODA (2c., 32o., 412f., 862g., 1173sp.)**

**Insecta (28o., 404f., 849g., 1159sp.)**

Palaeoptera

Odonata s.l. (21f., 31g., 38sp.)

†Burmaphlebiidae

*Pouillonphlebia burmitica* Ngô-Muller, Garrouste & Nel, 2020

Family *incertae sedis*

*Arcanodraco filicauda* Schädel, Müllern & Haug, 2020

Polyneoptera

Dictyoptera (including Blattodea, Mantodea, Isoptera, †Aethiocarenodea, †Alienoptera) (21f., 43g., 52sp.)

†Alienopteridae

*Vzrkadlenie miso* Vršanský, 2020 (in Sendi *et al.*, 2020)

Blattidae

~~*Balatronis cretacea* Smídová & Lei, 2017~~

~~*Bimodala ohmkuhnlei* Šmídová, 2018~~

*Bubosa poinari* Šmídová, 2020

*Cretaperiplaneta kaonashi* Qiu, Che & Wang, 2020

~~*Spinka fussa* Vršanský, Šmídová & Barna, 2018~~

Corydiidae

*Bimodala ohmkuhnlei* Šmídová, 2018

*Spinka fussa* Vršanský, Šmídová & Barna, 2018

†Liberiblattinidae

*Spongistoma angusta* Hinkelman, 2020 (in Sendi *et al.*, 2020)

†Mesoblattinidae

*Mesoblatta maxi* Hinkelman, 2020

Nocticolidae

*Crenocticola svadba* Podstrelená, 2020 (in Sendi *et al.* 2020)

*Mulleriblattina bowangi* Sendi & Vidlička, 2020

Stolotermitidae

*Cosmotermes multus* Zhao, Yin, Shih & Ren, 2020

*Cosmotermes opacus* Zhao, Yin, Shih & Ren, 2020

†Umenocoleidae

*Antophiloblatta hispida* Sendi, 2020

Family *incertae sedis*

*Balatronis cretacea* Smídová & Lei, 2017

Dermaptera (4f., 12g., 14sp.)

Labiduridae

*Acantholabis coralloides* Mao, Engel, & Ren, 2020

Pydicranidae

*Astreptolabis laevis* Mao, Engel, Ren & Gao, 2020

Orthoptera (7f., 11g., 11sp.)

Gryllidae

*Pherodactylus micromorphus* Poinar, Su & Brown, 2020

Tridactylidae

*Magnidactylus robustus* Xu, Fang & Jarzembowski, 2020

### Paraneoptera

Hemiptera (67f., 101g., 121sp.)

Aradidae

*Cretopiesma anticum* (Heiss & Poinar, 2012)

*Cretopiesma engelgrimaldii* Azar, Heiss & Huang, 2020

*Cretopiesma inexpectatum* Azar, Heiss & Huang, 2020

*Cretopiesma lini* Azar, Heiss & Huang, 2020

†Burmitaphidae (=Burmitaphididae)

*Vasteantenatus reliquialaus* Liu, Qiao, Yao & Ren, 2019

†Jubisentidae

*Psilargus anufrievi* Shcherbakov, 2020

†Macrodrilidae

*Macrodrilus bostrychus* Poinar, 2020

†Mimarachnidae

*Burmissus szwedoi* Luo, Jiang, Wang & Xiao, 2020

†Minlagerrontidae

*Eurypterogerron kachinensis* Chen & Zhang, 2020

†Sinoalidae

*Cretadorus orientalis* (Chen & Wang, 2019)

*Electrala muae* Chen & Zhuo, 2020

†Yuripopovinidae

*Caulisoculus electrus* Zhang & Chen, 2020

Psocoptera (10f., 13g., 21sp.)

Compsocidae

*Burmacompsocus pouilloni* Ngô-Muller, Garrouste & Nel, 2020

†Empheriidae

*Burmempheria densuschaetae* Li, Wang & Yao, 2020

*Burmempheria raruschaetae* Li, Wang & Yao, 2020

### Holometabola

Coleoptera (93f., 228g., 301sp.)

Cleridae

*Anebomorpha cercorhampha* Poinar & Brown, 2020

Cupedidae (=Ommatidae)

*Bukhkalius lindae* (Jarzembowski, Wang & Zheng, 2017)

*Burmocoleus prisnyi* Kirejtshuk, 2020

*Burmocoleus zhiyuani* (Liu, Tan, Ślipinski, Jarzembowski, Wang, Ren & Pang, 2017)

*Cionocups manukyani* Kirejtshuk, 2020

*Clessidromma palmeri* Jarzembowski, Wang & Zheng, 2017

*Clessidromma tianae* (Jarzembowski, Wang & Zheng, 2019)  
*Clessidromma zengi* Kirejtshuk, 2020  
*Echinocups denticollis* (Jiang, Li, Song, Shi, Liu, Chen & Kong, 2019)  
*Echinocups ohmkuhnlei* (Jarzembowski, Wang & Zheng, 2019)  
*Echinocups neli* (Tihelka, Huang & Cai, 2019)  
*Jarzembowskiops caseyi* (Jarzembowski, Wang & Zheng, 2016)  
*Mallecupes prokini* Kirejtshuk, 2020  
*Omma janetae* Kirejtshuk, 2020  
*Omma lii* Jarzembowski, Wang & Zheng, 2016  
*Paraodontomma burmitica* Yamamoto, 2017  
*Paraodontomma szwedoi* Jarzembowski, Wang & Zheng, 2018  
*Polyakius alberti* Kirejtshuk, 2020  
*Polyakius pubescens* Kirejtshuk, 2020  
*Stegocoleus arkonus* Tihelka, Huang & Cai, 2019  
*Stegocoleus caii* Jarzembowski & Wang, 2016  
*Stegocoleus lawrencei* Tihelka, Huang & Cai, 2019

Heteroceridae

*Excavotarsus lini* Li, Tihelka, Huang & Cai, 2020  
*Excavotarsus minor* Li, Tihelka, Huang & Cai, 2020

Histeridae

*Onthophilus yingae* Jiang, Shi & Wang, 2020

Kateretidae

*Polliniretes penalveri* Peris & Jelínek, 2019

Lycidae

*Prototrichalus meiyngae* Molino-Olmedo, Ferreira, Branham & Ivie, 2020  
*Prototrichalus milleri* Molino-Olmedo, Ferreira, Branham & Ivie, 2020  
*Prototrichalus sepronai* Molino-Olmedo, Ferreira, Branham & Ivie, 2020

Lymexylidae

*Cretoquadratus engeli* Chen, 2020

~~Ommatidae~~

~~*Brochocoleus caseyi* Jarzembowski, Wang & Zheng, 2016  
*Brochocoleus zhiyuani* Liu, Tan, Slipinski, Jarzembowski, Wang, Ren & Pang, 2017  
*Clessidromma palmeri* Jarzembowski, Wang & Zheng, 2017  
*Lepidomma tianae* Jarzembowski, Wang & Zheng, 2019  
*Notocupes denticollis* Jiang, Li, Song, Shi, Liu, Chen & Kong, 2019  
*Notocupes neli* Tihelka, Huang & Cai, 2019  
*Notocupes ohmkuhnlei* Jarzembowski, Wang & Zheng, 2019  
*Omma lii* Jarzembowski, Wang & Zheng, 2016  
*Paraodontomma burmitica* Yamamoto, 2017  
*Paraodontomma szwedoi* Jarzembowski, Wang & Zheng, 2018  
*Stegocoleus arkonus* Tihelka, Huang & Cai, 2019  
*Stegocoleus caii* Jarzembowski & Wang, 2016  
*Stegocoleus lawrencei* Tihelka, Huang & Cai, 2019  
*Tetraphalerus lindae* Jarzembowski, Wang & Zheng, 2017~~

Staphylinidae

*Cretochirus newtoni* Yamamoto, 2019

- Cretoprocirrus trichotos* Jenkins Shaw & Żyła, 2020  
*Priochirus thayerae* Yamamoto, 2019  
*Protopselaphus thayerae* Liu, Tihelka & Cai, 2020  
*Scydmaenus linqibini* Yin & Zhou, 2020
- Throscidae
- Trixagosoma guangyuani* Li, Zhao, Huang & Cai, 2020
- Zopheridae
- Paleoendeitoma tuberculata* Bullis, 2020
- Diptera (49f., 132g., 182sp.)
- Atelestidae
- Alavesia* sp.  
*Neoalavesia hadroceria* Poinar & Vega, 2020
- Hybotidae
- ~~*Alavesia* sp.~~
- †Rhagionemestriidae
- Burminemestrinus qiyani* Zhang, Zhang & Wang, 2020  
*Cretinemestrimus euremus* (Grimaldi, 2016)  
*Viriosinemestrius mai* Zhang, Zhang & Wang, 2020
- Tanyderidae
- Espanoderus orientalis* Men & Hu, 2020  
*Similinannotanyderus longitergata* Men & Hu, 2020
- Hymenoptera (53f., 118g., 189sp.)
- Anaxyelidae
- Sclerosyntexis hirsuta* Wang, Ren, Kopylov & Gao, 2020
- Aulacidae
- Electrofoenia jehani* Jouault, Nel & Perrichot, 2020
- Bethylidae
- Foenobethylus electriphilus* (Cockerell, 1917)  
*Uniceratops trex* Colombo, Gobbi & Azevedo, 2020
- †Burmusculidae
- Burmusculus magnus* Li, Rasnitsyn, Shih & Ren 2020
- Dryinidae
- Raptodryinus patrickmuelleri* Olmi, Perkovsky, Martynova, Contarini, Bückle, Guglielmino, 2020
- Evaniidae
- Burmaevania aequalis* Shih, Li & Ren, 2020  
*Burmaevania brevis* Shih, Li & Ren, 2020  
*Newjersevania rasnitsyni* Shih, Li & Ren, 2020
- †Falsiformicidae
- Cursoribythus silvestris* Cockx & McKellar, 2016  
*Siccibythus musculosus* Cockx & McKellar, 2016
- †Discoscapidae
- Discoscapa apicula* Poinar, 2020
- Formicidae

*Aquilomyrmex huangi* Perrichot, Wang & Barden, 2020  
*Chonidris insolita* Perrichot, Wang & Barden, 2020  
*Dhagnathos autokrator* Perrichot, Wang & Barden, 2020  
*Linguamyrmex brevicornis* Perrichot, Wang & Barden, 2020  
*Protoceratomyrmex revelatus* Perrichot, Wang & Barden, 2020

†Panguidae

*Pangu yuangu* Li, Rasnitsyn, Shih & Ren, 2020

†Praeaulacidae

*Rasnitsevania ferox* Jouault, Nel & Perrichot, 2020

Rhopalosomatidae

*Eorhopalosoma lohrmanni* Boudinot & Dungey, 2020

Scolecbythidae

~~*Cursoribythus silvestris* Coekx & McKellar, 2016~~

~~*Siccibythus musculosus* Coekx & McKellar, 2016~~

*Nadezhdabythus burmensis* Zhang, Rasnitsyn, Olmi, Martynova & Perkovsky, 2020

Lepidoptera (4f., 2g., 5sp.)

Micropterigidae

*Sabatinca pouilloni* Ngô-Muller & Nel, 2020

Mecoptera (4f., 5g., 8sp.)

†Aneuretopsychidae

*Burmopsyche bella* Zhao, Wang, Bashkuev, Aria, Zhang, Zhang, Tang & Engel, 2020

*Burmopsyche xiai* Zhao, Wang, Bashkuev, Aria, Zhang, Zhang, Tang & Engel, 2020

†Dualulidae

~~*Dualula kachinensis* Lin, Shih, Labandeira & Ren, 2019~~

†Pseudopolycentropodidae (=†Dualulidae)

*Dualula kachinensis* Lin, Shih, Labandeira & Ren, 2019

Neuroptera (22f., 82g., 97sp.)

†Araripeneuridae

*Allopteroneura burmana* Lu, Zhang & Liu, 2019

*Burmaneura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016

*Cratoneura cuneata* Yang, Shi & Ren, 2020

*Phylloleon elegans* Lu, Wang & Liu, 2019

*Phylloleon stangei* Lu, Ohl & Liu, 2019

Berothidae

*Cornoberotha anomala* Yang, Li, Wang, Zhang & Liu, 2020

*Cornoberotha aspoeckae* Yang, Li, Wang, Zhang & Liu, 2020

*Cornoberotha monogona* Yang, Li, Wang, Zhang & Liu, 2020

*Dolichoberotha bifurcata* Yang, Li, Wang, Zhang & Liu, 2020

*Dolichoberotha burmana* Yang, Li, Wang, Zhang & Liu, 2020

Myrmeleontidae (=Araripeneuridae)

*Allopteroneura burmana* Lu, Zhang & Liu, 2019

~~*Burmanaura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016~~  
~~*Phylloleon elegans* Lu, Wang & Liu, 2019~~  
~~*Phylloleon stangei* Lu, Ohl & Liu, 2019~~

Trichoptera (9f., 11g., 29sp.)

Philopotamidae

*Wormaldia cercifurcata* Wichard, Müller & Wang, 2020

*Wormaldia cercilonga* Wichard, Müller & Wang, 2020

*Wormaldia squamosa* Wichard, Müller & Wang, 2020

*Wormaldia transversa* Wichard, Müller & Wang, 2020

**MYRIAPODA (3c., 18o., 16f., 8g., 10sp.)**

**Diplopoda (13o., 11f., 6g., 8sp.)**

Polyxenida (2f., 2g., 3sp.)

Polyxenidae

*Pauropsxenus extraneus* Su, Cai & Huang, 2020

*Pauropsxenus ordinatus* Su, Cai & Huang, 2020

**VERTEBRATA (3c., 4o., 3f., 6g., 6sp.)**

**Aves (1o., 2g., 2sp.)**

Order *incertae sedis* (1g., 1sp.)

Family *incertae sedis*

*Oculudentavis khaungrae* Xing, O'Connor, Schmitz, Chiappe, McKellar, Yi & Li, 2020

**PROTISTA (14c., 16o., 18f., 27g., 24sp.)**

**Archamoebae (1o., 1f., 1g., 1sp.)**

Entamoebida (1f., 1g., 1sp.)

Entamoebidae

aff. *Endamoeba blattae* Bütschli, 1878 (in Hinkelman & Vršanská, 2020)

**Colpodea (1o., 1f., 1g.)**

Colpodida (1f., 1g.)



Colpodidae  
aff. *Colpoda* sp.

**Litostomatea (2o., 2f., 2g., 1sp.)**

Haptorida (1f., 1g.)  
Spathidiidae  
aff. *Spathidium* sp.

Pleurostomatida (1f., 1g., 1sp.)  
Litonotidae  
aff. *Litonotus cygnus* (Müller, 1776) Wrzesniowski, 1870 (in Hikelman & Vršanská, 2020)

**Nassophorea (1o., 1f., 1g.)**

Microthoracida (1f., 1g.)  
Microthoracidae  
aff. *Drepanomonas* sp.

**PLANTAE (7c., 15o., 19f., 36g., 42sp.)**

**Angiospermae (4o., 6f., 19g., 22sp.)**

Nymphaeales (1f., 1g., 1sp.)  
Nymphaeaceae  
*Praenymphaepollenites cenomaniensis* Barrón, Peris & Labandeira, 2020 (in Peris et al., 2020)

**Chlorophyceae (2o., 2f., 2g., 2sp.)**

Chlamydomonadales (1f., 1g., 1sp.)  
Chlamydomonadaceae  
*Chlamydomonas hanublikanus* Vršanská & Hinkelman, 2020 (in Hinkelman & Vršanská, 2020)

**~~Cycadopsida (1o., 1g.)~~**

~~Cycadales (1g.)  
Family *incertae sedis*~~

*Cycadopites* sp.

**Zygnematophyceae (1o., 1f., 1g.)**

Zygnematales (1f., 1g.)

Zygnemataceae

*Spirogyra* sp.

**Class *incertae sedis* (1g.)**

Order *incertae sedis* (1g.)

Family *incertae sedis*

*Cycadopites* sp.

**FUNGI (4c., 5o., 7f., 12g., 12sp.)**

**Microsporidia (1g., 1sp.)**

Order *incertae sedis* (1g., 1sp.)

Family *incertae sedis*

*Microsporidium burmanicum* Poinar, 2019

**Class *incertae sedis* (2f., 3g., 3sp.)**

Order *incertae sedis* (2f., 3g., 3sp.)

Nephridiophagidae

aff. *Nephridiophaga periplanetae* (Lutz & Splendore, 1903) (in Hinkelman & Vršanská, 2020)

**Trace fossils**

Ichnotaxa (1f., 3g., 3sp.)

Family *incertae sedis*

*Blattocoproplites mesoblattamaxi* Hinkelman, 2020

**Papers published on Burmese amber since the beginning of 2020, or missed previously, and amendments to references in Ross (2019, 2020)**

- Alencar, I.D.C.C., Waichert, C. & Azevedo, C.O. 2018. Opening Pandora's box of Pristocerinae: molecular and morphological phylogenies of *Apenesia* (Hymenoptera, Bethyridae) reveal several hidden genera. *Systematic Entomology*, **43**(3), 481-509, Appendix S4.  
<https://doi.org/10.1111/syen.12295>
- Azar, D., Heiss, E. & Huang, D. 2020. Review of the flat bug genus *Cretopiesma* Grimaldi & Engel, 2008 from mid-Cretaceous Burmese amber and description of three new species (Hemiptera: Heteroptera: Aradidae: Archearadinae). *Palaeoentomology*, **3**(1), 6-31.  
<https://doi.org/10.11646/palaeoentomology.3.1.2>
- Beutel, R.G., Liu, Z., Fikáček, M., Ren, D., Pang, H. & Ślipiński, A. 2019 (~~on-line~~). *Burmapseudomorphus planus* gen. et sp. nov. – a Late Cretaceous stem group member of the specialized Pseudomorphini (Carabidae, Coleoptera) from northern Myanmar. *Cretaceous Research*, **107**, 104274, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.104274>
- Boudinot, B.E. & Dungey, D.R. 2020. †*Eorhopalosoma lohramanni*, a new species of Rhopalosomatidae from mid-Cretaceous amber of northern Myanmar (Hymenoptera, Aculeata: Vespoidea). *Cretaceous Research*, **108**, 104339, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104339>
- Bullis, D.A. 2020. A new species of *Paleoendeitoma* (Coleoptera: Zopheridae: Colydiinae) from mid-Cretaceous Burmese amber. *Palaeoentomology*, **3**(1), 46-49.  
<https://doi.org/10.11646/palaeoentomology.3.1.6>
- Bullis, D.A., Herhold, H.W., Czekanski-Moir, J.E., Grimaldi, D.A. & Rundell, R.J. 2019 (~~on-line~~). Diverse new tropical land snail species from mid-Cretaceous Burmese amber (Mollusca: Gastropoda: Cyclophoroidea, Assimineidae). *Cretaceous Research*, **107**, 104267, 1-15.  
<https://doi.org/10.1016/j.cretres.2019.104267>
- Burckhardt, D. & Poinar, G. 2019 (~~on-line~~). The first jumping plant-louse from mid-Cretaceous Burmese amber and its impact on the classification of Mesozoic psylloids (Hemiptera: Sternorrhyncha: Psylloidea s. l.). *Cretaceous Research*, **106**, 104240, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104240>
- Cai, C., Newton, A.F., Thayer, M.K., Richard A. B. Leschen, R.A.B. & Huang, D. 2016. Specialized proteinine rove beetles shed light on insect–fungal associations in the Cretaceous. *Proceedings of the Royal Society, B*, **283**(1845), 20161439, 1-8.  
<http://doi.org/10.1098/rspb.2016.1439>
- Cai, C., Lawrence, J.F., Yamamoto, S., Leschen, R.A.B., Newton, A.F., Ślipiński, A., Yin, Z., Huang, D. & Engel, M.S. 2019. Basal polyphagan beetles in mid-Cretaceous amber from Myanmar:

biogeographic implications and long-term morphological stasis. *Proceedings of the Royal Society, B*, **286**(1894), 20182175, 1-9.  
<http://dx.doi.org/10.1098/rspb.2018.2175>

- Cao, H., Boudinot, B.E., Shih, C., Ren, D. & Gao, T. 2020 (on-line). Cretaceous ants shed new light on the origins of worker polymorphism. *Science China Life Sciences*, **63**,  
<https://doi.org/10.1007/s11427-019-1617-4>
- Cao, H., Perrichot, V., Shih, C., Ren, D. & Gao, T.-P. 2019 (on-line). A revision of *Haidomyrmex cerberus* Dlussky (Hymenoptera: Formicidae: Sphecomyrminae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **106**, 104226, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104226>
- Chen, J., Jiang, H., Zhang, Q., Zheng, Y., Wei, G. & Zhuo, D. 2020. A new sinoalid froghopper of Fangyuanini (Hemiptera, Cicadomorpha, Sinoalidae) in mid-Cretaceous Kachin amber from northern Myanmar. *Palaeoentomology*, **3**(1), 76-86.  
<https://doi.org/10.11646/palaeoentomology.3.1.11>
- Chen, J., Szwedo, J., Wang, B., Zheng, Y., Jiang, H., Jiang, T., Wang, X. & Zhang, H. 2019b (on-line). Corrigendum to “A new bizarre cicadomorph family in mid-Cretaceous Burmese amber (Hemiptera, Clypeata)” [Cretaceous Research 97 (2019) 1–15]. *Cretaceous Research*, **106**, 104263, 1.  
<https://doi.org/10.1016/j.cretres.2019.104263>
- Chen, J., Wang, B., Zhang, H., Jiang, H., Jiang, T., Zheng, Y. & Wang, X. 2019 (on-line). New discovery of Minlagerrontidae in mid-Cretaceous Burmese amber (Hemiptera, Cicadomorpha, Clypeata). *Cretaceous Research*, **106**, 104204, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104204>
- Chen, J., Wang, B., Zheng, Y., Jiang, H., Jiang, T., Wang, X. & Zhang, H. 2019 (on-line). The youngest record of the leafhopper family Archijassidae in Kachin amber from the lowermost Upper Cretaceous of northern Myanmar (Cicadomorpha, Cicadelloidea). *Cretaceous Research*, **106**, 104252, 1-8.  
<https://doi.org/10.1016/j.cretres.2019.104252>
- Chen, J., Zhang, H., Jiang, H., Li, Y., Jiang, T., Zheng, Y. & Wang, X. 2020 (on-line). *Eurypterogerron kachinensis* gen. et sp. nov., a remarkable minlagerrontid (Hemiptera, Cicadomorpha) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **110**, 104418, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104418>
- Chen, J., Zhang, H., Wang, B., Jiang, H., Jiang, T., Zheng, Y. & Wang, X. 2019 (on-line). Female sinoalid froghoppers in mid-Cretaceous Kachin amber with description of a new genus and species (Hemiptera, Cicadomorpha). *Cretaceous Research*, **104**, 104194, 1-9.  
<https://doi.org/10.1016/j.cretres.2019.104194>

- Chen, J., Zhang, H., Wang, B. & Zhang, Y. 2019 ([on-line](#)). A new whitefly (Hemiptera, Sternorrhyncha, Aleyrodidae) in mid-Cretaceous Kachin amber, northern Myanmar. *Cretaceous Research*, **106**, 104256, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104256>
- Chen, X. 2020. A new genus and species of Lymexylidae (Insecta: Coleoptera) from mid-Cretaceous amber of northern Myanmar. *Paleontological Journal*, **53**(11) (2019), 1203-1205.  
<https://doi.org/10.1134/S003103011911008X>
- Chen, Z.-T. 2019b ([on-line](#)). A remarkable new stonefly with bisexual structures in mid-Cretaceous Burmese amber (Insecta: Perlidae). *Cretaceous Research*, **104**, 104189, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.07.019>
- Chen, Z.-T. & Wang, B. 2019 ([on-line](#)). New females of Perlidae (Insecta: Plecoptera) from Cenomanian Burmese amber. *Cretaceous Research*, **106**, 104203, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.104203>
- Colombo, W.D., Gobbi, F.T., Perkovsky, E.E. & Azevedo, C.O. 2020 (on-line). Synopsis of the fossil Pristocerinae (Hymenoptera, Bethyloidea), with description of two new genera and six species from Burmese, Taimyr, Baltic and Rovno ambers. *Historical Biology*,  
<https://doi.org/10.1080/08912963.2020.1733551>
- Fu, Y., Azar, D. & Huang, D. 2019 ([on-line](#)). A new species of the extinct family Minlagerrontidae (Insecta: Hemiptera: Cicadomorpha) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **107**, 104270, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.104270>
- Fu, Y., Cai, C. & Huang, D. 2019 (on-line). First Mesozoic proceropids in mid-Cretaceous amber from northern Myanmar (Hemiptera: Cercopoidea). *Geological Magazine*, **157**(3), 506-512.  
<https://doi.org/10.1017/S0016756819001018>
- Fu, Y. & Huang, D. 2019b ([on-line](#)). New sinoalids in mid-Cretaceous amber from northern Myanmar (Insecta: Hemiptera: Cercopoidea). *Cretaceous Research*, **104**, 104187, 1-9.  
<https://doi.org/10.1016/j.cretres.2019.07.017>
- Fu, Y., Szewo, J., Azar, D. & Huang, D. 2019 ([on-line](#)). A second species of *Dachibangus* (Hemiptera: Fulgoromorpha: Mimarachnidae) in mid-Cretaceous amber from northern Myanmar. *Cretaceous Research*, **103**, 104170, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.06.016>
- Garrouste, R., Schubnel, T., Huang, D., Azar, D., Cai, C. & Nel, A. 2019 (on-line). Sexual conflict during Mesozoic: The first Cretaceous damsel bug in Burmese amber (Hemiptera: Heteroptera: Nabidae). *Cretaceous Research*, **108**, 104344, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104344>

- Gilka, W., Zakrzewska, M. & Makarchenko, E.A. 2019 ([on-line](#)). *Burmochlus* gen. nov., the first Cretaceous member of the *Archaeochlus* cluster (Diptera: Chironomidae: Podonominae). *Cretaceous Research*, **106**, 104261, 1-8.  
<https://doi.org/10.1016/j.cretres.2019.104261>
- Gimmel, M.L., Szawaryn, K., Cai, C. & Lescehn, R.A.B. 2019. Mesozoic sooty mould beetles as living relicts in New Zealand. *Proceedings of the Royal Society, B*, **286**(1917), 20192176, 1-7.  
<http://dx.doi.org/10.1098/rspb.2019.2176>
- Guo, X., Selden, P.A., Shih, C. & Ren, D. 2019 ([on-line](#)). Two new lagonomegopid spiders (Arachnida: Araneae) from the mid-Cretaceous of northern Myanmar, with comments on the superfamilial placement of Lagonomegopidae. *Cretaceous Research*, **106**, 104257, 1-8.  
<https://doi.org/10.1016/j.cretres.2019.104257>
- Hakim, M., Azar, D. & Huang, D. 2019 ([on-line](#)). A unique manicapsocid (Psocodea: Amphientometae) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **107**, 104278, 1-9.  
<https://doi.org/10.1016/j.cretres.2019.104278>
- Haug, J.T., Müller, P. & Haug, C. 2018. The ride of the parasite: a 100-million-year old mantis lacewing larva captured while mounting its spider host. *Zoological Letters*, **4**(31), 1-8.  
<https://doi.org/10.1186/s40851-018-0116-9>
- Haug, J.T., Müller, P. & Haug, C. 2019. A 100-million-year old slim insectan predator with massive venom-injecting stylets – a new type of neuropteran larva from Burmese amber. *Bulletin of Geosciences*, **94**(4), 431–440.  
<https://doi.org/10.3140/bull.geosci>
- Hinkelman, J. & Vršanska, L. 2020. A Myanmar amber cockroach with protruding feces contains pollen and a rich microcenosis. *Science of Nature*, **107**(13), 1-19.  
<https://doi.org/10.1007/s00114-020-1669-y>
- Jałoszyński, P. 2019b ([on-line](#)). Notes on mid-Cretaceous †*Pangusyndicus* and its relatives, with description of †*Loeblioides* gen. nov. and a †*Nuegua*-like new species (Coleoptera: Staphylinidae: Scydmaeninae). *Cretaceous Research*, **107**, 104273, 1-11.  
<https://doi.org/10.1016/j.cretres.2019.104273>
- Jarzembowski, E.A., Wang, B. & Zheng, D. 2019b ([on-line](#)). The first notocupedin beetle in mid-Cretaceous amber of northern Myanmar (Insecta: Coleoptera: Archostemata). *Cretaceous Research*, **106**, 104225, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.104225>
- Jenkins Shaw, J., Wang, B., Bai, M. & Żyła, D. 2020. The oldest representative of the rove beetle tribe Pinophilini (Coleoptera: Staphylinidae: Paederinae), from Upper Cretaceous Burmese amber. *Insects*, **11**(174), 1-12.  
<https://doi.org/10.3390/insects11030174>

- Jiang, R., Peng, Z. & Wang, S. 2019 (~~on-line~~). The oldest *Micropeplus* (Coleoptera, Staphylinidae, Micropeplinae) species from mid-Cretaceous Burmese amber. *Cretaceous Research*, **106**, 104218, 1-4.  
<https://doi.org/10.1016/j.cretres.2019.104218>
- Jiang, R., Song, W., Yang, H., Shi, C. & Wang, S. 2020 (on-line). Discovery of the first *Onthophilus* species from mid-Cretaceous Burmese amber (Coleoptera: Histeridae). *Cretaceous Research*, **111**, 104443, 1-4.  
<https://doi.org/10.1016/j.cretres.2020.104443>
- Jiang, Z., Li, Y., Song, C., Shi, H., Liu, Y., Chen, R. & Kong, F. 2019 (on-line). A new species of the genus *Notocupes* from mid-Cretaceous Burmese amber (Coleoptera: Archostemata: Ommatidae). *Cretaceous Research*, **108**, 104335, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104335>
- Jouault, C., Nel, A. & Perrichot, V. 2020 (on-line). New evanioid wasps (Hymenoptera: Praeaulacidae, Aulacidae) from Cenomanian Burmese amber. *Cretaceous Research*, **110**, 104407, 1-9.  
<https://doi.org/10.1016/j.cretres.2020.104407>
- Kataev, B.M., Kirejtshuk, A.G., Manukyan, A.R. & Anokhin, B.A. 2019 (~~on-line~~). *Kryzhanovskiana olegi* gen. et sp. nov., a remarkable eyeless representative of the tribe Metriini (Coleoptera: Carabidae: Paussinae) from Upper Cretaceous amber of northern Myanmar. *Cretaceous Research*, **103**, 104168, 1-13.  
<https://doi.org/10.1016/j.cretres.2019.06.014>
- Khramov, A.V., Yan, E. & Kopylov, D.S. 2019 (~~on-line~~). Nature's failed experiment: long-proboscid Neuroptera (Sisyridae: Paradoxosisyrinae) from Upper Cretaceous amber of northern Myanmar. *Cretaceous Research*, **104**, 104180, 1-12.  
<https://doi.org/10.1016/j.cretres.2019.07.010>
- Kirejtshuk, A.G. 2020. Taxonomic review of fossil coleopterous families (Insecta, Coleoptera). Suborder Archostemata: Superfamilies Coleopseoidea and Cupedoidea. *Geosciences*, **10**(2), 73, 1-88.  
<https://doi.org/10.3390/geosciences10020073>
- Kuntner, M., Hamilton, C.A., Cheng, R.-C., Gregorič, M., Lupše, N., Lokovšek, T., Lemmon, E.M., Lemmon, A.R., Agnarsson, I., Coddington, J.A. & Bond, Jason, E. 2018 (on-line). Golden orbweavers ignore biological rules: Phylogenomic and comparative analyses unravel a complex evolution of sexual size dimorphism. *Systematic Biology*, **68**(4), 555-572.  
<https://doi.org/10.1093/sysbio/syy082>
- Lambert, J.B., Karlberg, J.M., Muppala, N.R., Contreras, T.A., Wu, Y., Santiago-Blay, J.A. A New Molecular Type of Amber for Burma (Myanmar). *Life: The Excitement of Biology*, **7**(4), 197-212.

- Legalov, A.A. 2018a ([on-line](#)). Two new weevil tribes (Coleoptera: Curculionoidea) from Burmese amber. *Historical Biology*, **32**(1), 128-136.  
<https://doi.org/10.1080/08912963.2018.1504936>
- Legalov, A.A., Kirejtshuk, A.G. & Anokhin, B.A. 2019 ([on-line](#)). The oldest seed beetle (Coleoptera; Chrysomelidae: Bruchinae) from Upper Cretaceous amber of northern Myanmar with description of new tribe, genus and species. *Cretaceous Research*, **107**, 104283, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.104283>
- Li, C., Moran, R.C., Ma, J., Wang, B. & Hao, J. 2019 ([on-line](#)). A new fossil record of Lindsaeaceae (Polypodiales) from the mid-Cretaceous amber of Myanmar. *Cretaceous Research*, **105**, 104040, 1-7.  
<https://doi.org/10.1016/j.cretres.2018.12.010>
- Li, C., Moran, R.C., Ma, J., Wang, B., Hao, J. & Yang, Q. 2019 ([on-line](#)). A mid-Cretaceous tree fern of Thyrsopteridaceae (Cyatheaales) preserved in Myanmar amber. *Cretaceous Research*, **105**, 104050, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.01.002>
- Li, L., Rasnitsyn, A.P., Shih, C., Li, D. & Ren, D. 2020. Two new rare wasps (Hymenoptera: Apocrita: Panguidae and Burmusculidae) from mid-Cretaceous amber of Northern Myanmar. *Cretaceous Research*, **109**, 104220, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104220>
- Li, S., Wang, Q., Ren, D. & Yao, Y. 2020 ([on-line](#)). New genus and species of Empheriidae (Psocodea: Trogiomorpha) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **110**, 104421, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104421>
- Li, X. & Huang, D. 2019b ([on-line](#)). A new mid-Cretaceous cockroach of stem Nocticolidae and reestimating the age of Corydioidea (Dictyoptera: Blattodea). *Cretaceous Research*, **106**, 104202, 1-15.  
<https://doi.org/10.1016/j.cretres.2019.104202>
- Li, Y., Wang, Y.-D., Schneider, H. & Wu, P.-C. 2019 ([on-line](#)). *Frullania partita* sp. nov. (Frullaniaceae, Porellales), a new leafy liverwort from the mid-Cretaceous of Myanmar. *Cretaceous Research*, **108**, 104341, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.104341>
- Li, Y.-D., Tihelka, E., Huang, D. & Cai, C. 2020. Specialized variegated mud-loving beetles from mid-Cretaceous Burmese amber (Coleoptera: Heteroceridae). *Palaeoentomology*, **3**(1), 59-67.  
<https://doi.org/10.11646/palaeoentomology.3.1.9>
- Li, Y.-D., Zhao, Y.-C., Huang, D.-Y. & Cai, C.-Y. 2020 ([on-line](#)). A new throscid from mid-Cretaceous Burmese amber (Coleoptera: Elateroidea: Throscidae). *Historical Biology*,  
<https://doi.org/10.1080/08912963.2020.1741573>



- Liang, Z., Qi, Z., Chen, J. & Jia, F. 2019 ([on-line](#)). *Cretodineutus rotundus* gen. et sp. nov., the oldest adult whirligig beetle from the Upper Cretaceous of Myanmar (Coleoptera, Gyridae, Gyridinae). *Cretaceous Research*, **106**, 104251, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.104251>
- Liu, X., Qiao, G., Yao, Y. & Ren, D. 2019. A new species of the aphid family Burmitaphididae (Hemiptera: Sternorrhyncha: Aphidomorpha) from Upper Cretaceous Burmese amber. *Alcheringa*, **43**(3), 455-460.  
<https://doi.org/10.1080/03115518.2019.1579367>
- Liu, Y., Hakim, M. & Huang, D. 2019 ([on-line](#)). First stratiomyomorph larva in the mid-Cretaceous amber from Myanmar (Diptera: Brachycera). *Cretaceous Research*, **106**, 104265, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104265>
- Liu, Y. & Huang, D. 2019 ([on-line](#)). New materials of Nemestrinidae (Diptera: Brachycera) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **104**, 104173, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.07.003>
- Liu, Y., Tihelka, E., Yamamoto, S., Yin, Z., Huang, D., Tian, L. & Cai, C. 2020 ([on-line](#)). The first fossil record of the rove beetle subfamily Protopselaphinae (Coleoptera: Staphylinidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **110**, 104416, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104416>
- Liu, Z., Tihelka, E., McElrath, T.C., Yamamoto, S., Ślipiński, A., Wang, B., Ren, D. & Pang, H. 2019 ([on-line](#)). New minute clubbed beetles (Coleoptera, Monotomidae, Lenacini) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **107**, 104255, 1-13.  
<https://doi.org/10.1016/j.cretres.2019.104255>
- Luo, C., Jiang, T., Wang, B. & Xiao, C. 2020 ([on-line](#)). A new species of *Burmissus* (Hemiptera: Fulgoromorpha: Mimarachnidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **110**, 104417, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104417>
- Maheu, A. & Nel, A. 2019 ([on-line](#)). A new fossil booklouse (psocodea: Troctomorpha: Amphientometae: Manicapsocidae) from the mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **106**, 104222, 1-4.  
<https://doi.org/10.1016/j.cretres.2019.104222>
- Makarkin, V.N. & Gröhn, C. 2019 ([on-line](#)). The first unusual Hemerobiidae (Neuroptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **106**, 104206, 1-8.  
<https://doi.org/10.1016/j.cretres.2019.104206>
- Makarkin, V.N. & Staniczek, A.H. 2019 ([on-line](#)). A new large-sized genus of Babinskaiidae (Neuroptera: Myrmeleontoidea: Nymphidoidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **104**, 104196, 1-6.

<https://doi.org/10.1016/j.cretres.2019.104196>

- Mao, Y., Engel, M.S., Ren, D. & Gao, T. 2020. A new species of *Astreptolabis* in mid-Cretaceous amber from northern Myanmar, with the discovery of the first male of Astreptolabidinae (Dermaptera). *ZooKeys*, **911**, 101-112.  
<https://doi.org/10.3897/zookeys.911.38845>
- Mao, Y., Engel, M.S., Zhao, Y. & Ren, D. 2020 (on-line). A new genus of labidurid earwigs in mid-Cretaceous amber from northern Myanmar (Dermaptera: Labiduridae). *Cretaceous Research*, **111**, 104447, 1-6.  
<https://doi.org/10.1016/j.cretres.2020.104447>
- Martynova, K.V., Zhang, Q., Olmi, M., Müller, P. & Perkovsky, E.E. 2019 (on-line). Revision of the genus *Dryinus* Latreille (Hymenoptera: Dryinidae) from mid-Cretaceous Kachin (Myanmar) amber. *Cretaceous Research*, **106**, 104217, 1-25.  
<https://doi.org/10.1016/j.cretres.2019.104217>
- Men, Q., Hu, Z. & Mu, D. 2019 (on-line). New species of *Lebania* (Diptera: Limoniidae) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **104**, 104183, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.07.013>
- Men, Q., Hu, Z. & Xu, L. 2020 (on-line). The first representative of *Espanoderus* and one new species of *Similinannotanyderus* (Diptera: Tanyderidae) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **111**, 104442, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104442>
- Molino-Olmedo, F., Ferreira, V.S., Branham, M.A. & Ivie, M.A. 2020 (on-line). The description of *Prototrichalus* gen. nov. and three new species from Burmese Amber supports a mid-Cretaceous origin of the Metriorrhynchini (Coleoptera, Lycidae). *Cretaceous Research*, **111**, 104452, 1-8  
<https://doi.org/10.1016/j.cretres.2020.104452>
- Müller, S.P., Dunlop, J.A., Kotthoff, U., Hammel, J.U. & Harms, D. 2019 (on-line). The oldest short-tailed whipscorpion (Schizomida): A new genus and species from the Upper Cretaceous amber of northern Myanmar. *Cretaceous Research*, **106**, 104227, 1-10.  
<https://doi.org/10.1016/j.cretres.2019.104227>
- Ngô-Muller, V., Garrouste, R., Pouillon, J.-M. & Nel, A. 2019 (on-line). A new species of the long-legged fly genus *Microphorites* in Burmese amber (Dolichopodidae: Microphorinae). *Cretaceous Research*, **107**, 104284, 1-4.  
<https://doi.org/10.1016/j.cretres.2019.104284>
- Ngô-Muller, V., Garrouste, R. & Nel, A. 2020 (on-line). Small but important: A piece of mid-Cretaceous Burmese amber with a new genus and two new insect species (Odonata: Burmaphlebiidae & ‘Psocoptera’: Compsocidae). *Cretaceous Research*, **110**, 104405, 1-6.  
<https://doi.org/10.1016/j.cretres.2020.104405>

- Ngô-Muller, V., Garrouste, R., Pouillon, J.-M. & Nel, A. 2020. A new micropterigid moth from the mid-Cretaceous Burmese amber (Insecta: Lepidoptera). *Cretaceous Research*, **109**, 104375, 1-6.  
<https://doi.org/10.1016/j.cretres.2020.104375>
- Olmi, M., Perkovsky, E.E., Martynova, K.V., Contarini, M., Bückle, C. & Guglielmino, A. 2020 (on-line). An important intermediate step in the evolution of pincer wasps: an extraordinary new type of chela from mid-Cretaceous Burmese amber (Hymenoptera, Dryinidae). *Cretaceous Research*, **111**, 104420, 1-13.  
<https://doi.org/10.1016/j.cretres.2020.104420>
- Peris, D. & Jelínek, J. 2019a (~~on-line~~). Syninclusions of two new species of short-winged flower beetle (Coleoptera: Kateretidae) in mid-Cretaceous Kachin amber (Myanmar). *Cretaceous Research*, **106**, 104264, 1-11.  
<https://doi.org/10.1016/j.cretres.2019.104264>
- Peris, D., Labandeira, C.C., Barrón, E., Delclòs, X., Rust, J. & Wang, B. 2020. Generalist pollen-feeding beetles during the mid-Cretaceous. *iScience*, 100913, 1-14.  
<https://doi.org/10.1016/j.isci.2020.100913>
- Perrichot, V., Wang, B. & Barden, P. 2020. New remarkable hell ants (Formicidae: Haidomyrmecinae stat. nov.) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **109**, 104381, 1-18.  
<https://doi.org/10.1016/j.cretres.2020.104381>
- Poinar, G.O. 2018a (on-line). Burmese amber: evidence of Gondwanan origin and Cretaceous dispersion. *Historical Biology*, **31**(10), 1304-1309.  
<https://doi.org/10.1080/08912963.2018.1446531>
- Poinar, G.O. 2018b (on-line). A mid-Cretaceous pycnidia, *Palaeomycus epallelus* gen. et sp. nov., in Myanmar Amber. *Historical Biology*, **32**(2), 234-237.  
<https://doi.org/10.1080/08912963.2018.1481836>
- Poinar, G.O. 2018c (on-line). Pygmy mole crickets (Orthoptera: Tridactylidae) in Dominican and Burmese amber. *Historical Biology*, **32**(2), 238-243.  
<https://doi.org/10.1080/08912963.2018.1483362>
- Poinar, G.O. 2019. The first fossil record of a microsporidian (Microsporidia) in Burmese amber. *Current Trends in Microbiology*, **13**, 1-5.  
<http://www.researchtrends.net/tia/abstract.asp?in=0&vn=13&tid=41&aid=6462&pub=2019&type=3>
- Poinar, G.O. 2020. Discoscaphidae fam. nov. (Hymenoptera: Apoidea), a new family of stem lineage bees with associated beetle triungulins in mid-Cretaceous Burmese amber. *Palaeodiversity*, **12**, 1-9.  
<https://doi.org/10.18476/pale.v13.a1>

- Poinar, G.O. 2020 (on-line). Macrodrilidae fam. nov. (Hemiptera: Sternorrhyncha: Coccoidea), a new family of scale insects in mid-Cretaceous Burmese amber. *Historical Biology*, <https://doi.org/10.1080/08912963.2020.1733549>
- Poinar, G.O. & Brown, A.E. 2017a (on-line). A new genus of leafhoppers (Hemiptera: Cicadellidae) in mid-Cretaceous Myanmar amber. *Historical Biology*, **32**(2), 160-163. <https://doi.org/10.1080/08912963.2017.1384472>
- Poinar, G.O. & Brown, A.E. 2020. Dating the Co-evolution Between Bees and Beetle Triungulins (Coleoptera: Cleridae) to the Mid-Cretaceous. *Biosis: Biological Systems*, **1**(1), 2-7. <https://doi.org/10.37819/biosis.001.01.0051>
- Poinar, G.O., Brown, A.E. & Legalov, A.A. 2019 (on-line). A new weevil, *Periosomerus tanyorhynchus* gen. et sp. nov. (Coleoptera; Ithyceridae) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **104**, 104195, 1-4. <https://doi.org/10.1016/j.cretres.2019.104195>
- Poinar, G.O., Su, Y.N. & Brown, A.E. 2020. A new genus of crickets (Orthoptera: Gryllidae) in mid-Cretaceous Myanmar amber. *Biosis: Biological Systems*, **1**(1), 33-38. <https://doi.org/10.37819/biosis.001.01.0049>
- Poinar, G.O. & Vega, F.E. 2020 (on-line). A new genus of Empididae (Diptera) with enlarged postpedicels in mid-Cretaceous Burmese amber. *Historical Biology*, <https://doi.org/10.1080/08912963.2020.1743700>
- Poinar, G.O., Vega, F.E. & Legalov, A.A. 2018 (on-line). New subfamily of ambrosia beetles (Coleoptera: Platypodidae) from mid-Cretaceous Burmese amber. *Historical Biology*, **32**(1), 137-142. <https://doi.org/10.1080/08912963.2018.1528446>
- Qiu, L., Liu, Y.-C., Wang, Z.-Q. & Che, Y.-L. 2020. The first blattid cockroach (Dictyoptera: Blattodea) in Cretaceous amber and the reconsideration of purported Blattidae. *Cretaceous Research*, **109**, 104359, 1-5. <https://doi.org/10.1016/j.cretres.2019.104359>
- Qu, T., Yin, Z., Huang, D. & Cai, C. 2019 (on-line). First Mesozoic brachypsectrid beetles in mid-Cretaceous amber from northern Myanmar (Coleoptera: Elateroidea: Brachypsectridae). *Cretaceous Research*, **106**, 104190, 1-6. <https://doi.org/10.1016/j.cretres.2019.07.020>
- Rasnitsyn, A.P., Sidorchuk, E.A., Zhang, H. & Zhang, Q. 2019 (on-line). Dipterommatidae, a new family of parasitic wasps (Hymenoptera: Mymarommatoidea) in mid-Cretaceous Burmese amber: The first case of morphological diptery in flying Hymenoptera. *Cretaceous Research*, **104**, 104193, 1-6. <https://doi.org/10.1016/j.cretres.2019.104193>

- Ross, A.J. 2020. Supplement to the Burmese (Myanmar) amber checklist and bibliography, 2019. *Palaeoentomology*, **3**(1), 103-118.  
<https://doi.org/10.11646/palaeoentomology.3.1.14>
- Schädel, M., Müller, P. & Haug, J.T. 2020. Two remarkable fossil insect larvae from Burmese amber suggest the presence of a terminal filum in the direct stem lineage of dragonflies and damselflies (Odonata). *Rivista Italiana di Paleontologia e Stratigrafia*, **126**(1), 13-35.
- Sendi, H., Hinkelman, J., Vršanská, L., Kúdelová, T., Kúdela, M., Zuber, M., Kamp, T. van de. & Vršanský, P. 2020 (on-line). Roach nectarivory, gymnosperm and earliest flower pollination evidence from Cretaceous ambers. *Biologia*,  
<https://doi.org/10.2478/s11756-019-00412-x>
- Sendi, H., Vršanský, P., Podstrelená, L., Hinkelman, J., Kúdelová, T., Kúdela, M., Vidlička, L., Ren, X. & Quicke, D.L.J. 2020. Nocticolid cockroaches are the only known dinosaur age cave survivors. *Gondwana Research*, **82**, 288-298.  
<https://doi.org/10.1016/j.gr.2020.01.002>
- Shcherbakov, D.E. 2020. The earliest fully brachypterous auchenorrhynchan from Cretaceous Burmese amber (Homoptera: Fulgoroidea: Jubisentidae). *Russian Entomological Journal*, **29**(1), 6-11.
- Shi, C., Yang, Q., Winterton, S.L., Pang, H. & Ren, D. 2019 (on-line). Stem-group fossils of Symphrasinae shed light on early evolution of Mantispidae (Insecta, Neuroptera). *Papers in Palaeontology*, **6**(1), 143-154.  
<https://doi.org/10.1002/spp2.1265>
- Shih, P.J.M., Li, L., Li, D. & Ren, D. 2020. Application of geometric morphometric analyses to confirm three new wasps of Evaniidae (Hymenoptera: Evanioidea) from mid-Cretaceous Myanmar amber. *Cretaceous Research*, **109**, 104249, 1-9.  
<https://doi.org/10.1016/j.cretres.2019.104249>
- Skibińska, K. & Krzemiński, W. 2018b (on-line). Two new species of the genus *Dacochile* (Diptera, Tanyderidae) from Burmese amber. *Historical Biology*, **32**(3), 356-361.  
<https://doi.org/10.1080/08912963.2018.1494735>
- Šmídová, L. 2020. Cryptic bark cockroach (Blattinae: *Bubosa poinari* gen. et sp. nov.) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **109**, 104383, 1-4.  
<https://doi.org/10.1016/j.cretres.2020.104383>
- Sroka, P. & Staniczek, A.H. 2019 (on-line). Retention of cervical and abdominal gills in the adult of a new fossil stonefly (Insecta, Plecoptera, Petroperlidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **107**, 104277, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.104277>

- Su, Y., Cai, C. & Huang, D. 2020 (on-line). Two new species of the bristle millipede genus *Pauropsxenus* (Diplopoda, Polyxenidae) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **111**, 104427, 1-11.  
<https://doi.org/10.1016/j.cretres.2020.104427>
- Sun, J. & Chen, J. 2019 (on-line). New material of shore bug subfamily Leptosaldinae in mid-Cretaceous Kachin amber from northern Myanmar (Heteroptera, Leptopodomorpha). *Cretaceous Research*, **106**, 104205, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.104205>
- Tang, C., Shi, C., Wang, S. & Yang, D. 2019 (on-line). The first report of Dolichopodidae from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **104**, 104179, 1-4.  
<https://doi.org/10.1016/j.cretres.2019.07.009>
- Tihelka, E., Huang, D. & Cai, C. 2019c (on-line). First false darkling beetle from mid-Cretaceous Burmese amber (Coleoptera: Melandryidae). *Alcheringa*, **44**(1), 169-175.  
<https://doi.org/10.1080/03115518.2019.1664635>
- Tihelka, E., Huang, D. & Cai, C. 2019f (on-line). New data on Ommatidae (Coleoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **106**, 104253, 1-9.  
<https://doi.org/10.1016/j.cretres.2019.104253>
- Wang, H., Lei, Z., Zhang, G., Xu, C., Fang, Y. & Zhang, H. 2019 (on-line). The earliest Gryllotalpinae (Insecta, Orthoptera, Gryllotalpidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **107**, 104292, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.104292>
- Wang, R., Li, S., Ren, D. & Yao, Y. 2019 (on-line). New genus and species of the Psyllipsocidae (Psocodea: Trogiomorpha) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **104**, 104178, 1-5.  
<https://doi.org/10.1016/j.cretres.2019.07.008>
- Wang, Y., Wang, M., Rasnitsyn, A.P., Shih, C., Ren, D., Kopylov, D.S. & Gao, T. 2020. A new anaxyelid sawfly (Insecta, Hymenoptera, Siricoidea) in mid-Cretaceous Myanmar amber. *Cretaceous Research*, **109**, 104372, 1-5.  
<https://doi.org/10.1016/j.cretres.2020.104372>
- Wichard, W., Müller, P. & Wang, B. 2020. The philopotamid genus *Wormaldia* (Insecta, Trichoptera) embedded in mid-Cretaceous Burmese amber. *Palaeodiversity*, **13**, 39-47.  
<https://doi.org/10.18476/pale.v13.a4>
- Wichard, W. & Wang, B. 2019 (on-line). Family Kambaitipsychidae (Insecta, Trichoptera) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **107**, 104272, 1-4.  
<https://doi.org/10.1016/j.cretres.2019.104272>

- Xing, L., McKellar, R.C. & O'Connor, J.K. 2020 (on-line). An unusually large bird wing in mid-Cretaceous Burmese amber. *Cretaceous Research*, **110**, 104412, 1-7.  
<https://doi.org/10.1016/j.cretres.2020.104412>
- Xing, L., O'Connor, J.K., Schmitz, L., Chiappe, L.M., McKellar, R.C., Yi, Q. & Li, G. 2020. Hummingbird-sized dinosaur from the Cretaceous period of Myanmar. *Nature*, **579**, 245-249.  
<https://www.nature.com/articles/s41586-020-2068-4>
- Xu, C., Fang, Y. & Jarzembowski, E.A. 2020 (on-line). A new pygmy mole cricket (Orthoptera: Tridactyloidea: Tridactylidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **111**, 104371, 1-6.  
<https://doi.org/10.1016/j.cretres.2020.104371>
- Yamamoto, S., Caron, E. & Bortoluzzi, S. 2018 (on-line). *Propiestus archaicus*, the first Mesozoic amber inclusion of piestine rove beetles and its evolutionary and biogeographical significance (Coleoptera: Staphylinidae: Piestinae). *Journal of Systematic Palaeontology*, **17**(15), 1037-1050.  
<http://doi.org/10.1080/14772019.2018.1517282>
- Yamamoto, S. & Takahashi, Y. 2019. First and oldest Leptochirini rove beetles illuminate diverse cephalic structures in the Cretaceous (Coleoptera: Staphylinidae: Osoriinae). *Systematic Entomology*, **44**(3), 588-611.  
<https://doi.org/10.1111/syen.12342>
- Yang, H., Yin, X., Lin, X., Wang, C., Shih, C., Zhang, W., Ren, D. & Gao, T. 2019. Cretaceous winged stick insects clarify the early evolution of Phasmatodea. *Proceedings of the Royal Society B*, **286**(1909), 20191085, 1-10.  
<http://dx.doi.org/10.1098/rspb.2019.1085>
- Yang, Q., Chen, Z.-Y. & Jia, F.-L. 2019b (on-line). Corrigendum to “*Ambarticus myanmaricus* gen. et sp. nov., the first diving beetle from mid-Cretaceous amber of northern Myanmar (Coleoptera, Dytiscidae, Dytiscinae)” [*Cretaceous Research* 102 (2019) 1–6]. *Cretaceous Research*, **106**, 104188, 1.  
<https://doi.org/10.1016/j.cretres.2019.07.018>
- Yang, Q., Shi, C., Lai, Z., Pang, H., Ren, D. 2020. New araripeneurids (Insecta: Neuroptera) from Upper Cretaceous amber of northern Myanmar. *Cretaceous Research*, **108**, 104350, 1-7.  
<https://doi.org/10.1016/j.cretres.2019.104350>
- Yang, Y., Li, H., Wang, B., Zhang, W. & Liu, X. 2020. New beaded lacewings (Neuroptera: Berothidae) from the mid-Cretaceous of Myanmar with specialized cephalic structures. *Cretaceous Research*, **108**, 104348, 1-19.  
<https://doi.org/10.1016/j.cretres.2019.104348>
- Yin, Z., Chandler, D.S. & Cai, C.-Y. 2019 (on-line). *Priscaplectus* gen. nov. and two new species in mid-Cretaceous amber from Myanmar (Coleoptera: Staphylinidae: Pselaphinae). *Cretaceous Research*, **103**, 104174, 1-10.

<https://doi.org/10.1016/j.cretres.2019.07.004>

- Yin, Z. & Zhou, D. 2020. *Scydmaenus linqibini* sp. nov., a new fossil Scydmaenini in mid-Cretaceous amber from northern Myanmar (Coleoptera: Staphylinidae: Scydmaeninae). *Palaeoentomology*, **3**(1), 36-40.  
<https://doi.org/10.11646/palaeoentomology.3.1.4>
- Zhang, J. & Chen, J. 2020 (on-line). A stalk-eyed true bug in mid-Cretaceous Burmese amber (Hemiptera, Pentatomomorpha, Yuripopoviniidae). *Cretaceous Research*, **110**, 104391, 1-8.  
<https://doi.org/10.1016/j.cretres.2020.104391>
- Zhang, Q., Rasnitsyn, A.P., Olmi, M., Martynova, K.V., Perkovsky, E.E. 2020. First scolebythid wasp (Hymenoptera: Chrysidoidea, Scolebythidae) in mid-Cretaceous Burmese amber. *Palaeoentomology*, **3**(1), 41-45.  
<https://doi.org/10.11646/palaeoentomology.3.1.5>
- Zhang, Q., Zhang, J. & Wang, B. 2020 (on-line). New bizarre flies from mid-Cretaceous Burmese amber (Diptera, Rhagionemestriidae). *Cretaceous Research*, **110**, 104347, 1-8.  
<https://doi.org/10.1016/j.cretres.2019.104347>
- Zhao, X., Wang, B., Bashkuev, A.S., Aria, C., Zhang, Q., Zhang, H., Tang, W. & Engel, M.S. 2020. Mouthpart homologies and life habits of Mesozoic long-proboscid scorpionflies. *Science Advances*, **6**(10), eaay1259, 1-6.  
<https://doi.org/10.1126/sciadv.aay1259>
- Zhao, Z., Yin, X., Shih, C., Gao, T. & Ren, D. 2020. Termite colonies from mid-Cretaceous Myanmar demonstrate their early eusocial lifestyle in damp wood. *National Science Review*, **7**, 381-390.  
<https://doi.org/10.1093/nsr/nwz141>
- Zheng, Y., Zhang, Q., Chen, J. & Zhang, H. 2019 (~~on-line~~). A remarkably new basal wasp with uniquely transformed forewing in mid-Cretaceous Burmese amber (Hymenoptera, Sypastoxyelidae). *Cretaceous Research*, **104**, 104172, 1-6.  
<https://doi.org/10.1016/j.cretres.2019.07.002>

### **In press**

- Chen, J., Wang, B., Zheng, Y., Jiang, H., Li, Y., Jiang, T. & Zhang, H. (in press). Giants trapped in resin: new material of Sinoalidae in mid-Cretaceous Kachin amber from northern Myanmar (Insecta, Cicadomorpha). *Cretaceous Research*,  
<https://doi.org/10.1016/j.cretres.2020.104450>
- Cui, Y., C., Z-T. & Engel, M.S. (in press) New species of webspinners (Insecta: Embiodea) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*,  
<https://doi.org/10.1016/j.cretres.2020.104457>



- Jarzembowski, E.A., Wang, B. & Zheng, D. (in press). An archaic-beetle ‘Jaws’ from mid-Cretaceous Burmese amber (Coleoptera: Archostemata). *Proceedings of the Geologists’ Association*, <https://doi.org/10.1016/j.pgeola.2020.02.003>
- Perkovskya, E.E., Olmi, M., Müller, P., Guglielmino, A., Jarzembowski, E.A., Capradossi, L. & Alexandr P. Rasnitsyn, A.P. (in press) A review of the fossil Embolemidae (Hymenoptera: Chrysidoidea), with description of seven new species and history of the family.
- Rasnitsyn, A.P. & Brothers, D.J. (in press). The first plumalexiid wasp (Hymenoptera: Chrysidoidea, Plumalexiidae) from the mid-Cretaceous Burmese amber. *Cretaceous Research*,
- Schmidt, A. R., Regalado, L., Weststrand, S., Korall, P., Sadowski, E.-M., Schneider, H., Jansen, E., Bechteler, J., Krings, M., Müller, P., Wang, B., Wang, X., Rikkinen, J. & Seyfullah, L.J. (in press). *Selaginella* was hyperdiverse already in the Cretaceous. *New Phytologist*,
- Wagner, R. & Patrick Müller, P. (in press) The oldest of the rare: A new species of the family Nymphomyiidae (Diptera) from Burmese amber. *Zootaxa*,
- Xu, C., Fang, Y. & Wang, H. (in press). A new mole cricket (Orthoptera: Gryllotalpidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, <https://doi.org/10.1016/j.cretres.2020.104428>
- Xu, C., Zhang, H., Jarzembowski, E.A. & Fang, Y. (in press). The first Ripipterygidae (Orthoptera: Caelifera: Tridactyloidea) from mid-Cretaceous Burmese amber. *Cretaceous Research*, <https://doi.org/10.1016/j.cretres.2019.104356>