

A Bibliography for the Gulf of California

Compiled by R. C. Brusca

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NOTE: This document is updated on a regular basis (see date stamp above).

While not complete, this list will provide a good entry into the literature. With few exceptions, papers/chapters in edited volumes are not cited when the volume itself is cited. Routine taxonomic publications are generally not included unless they have broader biological implications, although major revisions generally are. Non-peer-reviewed government reports (mostly from Mexico) are generally not cited, unless the veracity of the data is verifiable. Unpublished academic theses generally are not cited, nor are unrefereed abstracts and notes in conference proceedings (with a few exceptions). A number of key “terrestrial publications” are included in this list when they are of interest to coastal investigators (e.g., the Pinacates, the Colorado River Delta, Baja California, etc) or deal with Gulf/Baja geological and biogeographic history. Although some key botanical and anthropological papers and books are cited, such publications are only superficially covered. GULF RESEARCHERS: If you notice an important paper or book that is missing from this list, especially your own, please send it to me and I will add it to the Bibliography (rbrusca@desertmuseum.org).

- Aalbers, S. A. 2008. Seasonal, diel, and lunar spawning periodicities and associated sound production of white seabass (*Arctoscion nobilis*). *Fishery Bulletin* 106: 143-151.
- Abbott, I. A. 1966. Elmer Yale Dawson (1918–1966). *Journal of Phycology* 2:129–132.
- Abbott, I. A. and G. J. Hollenberg. 1976. *Marine Algae of California*. Stanford University Press, Stanford, CA.
- Abbott, P. L., A. D. Hanson, C. N. Thomson, D. L. Logue, K. D. Bradshaw, W. J. Pollard, and T. E. Seeliger. 1993. Geology of the Paleocene sepulture formation, Mesa de la Sepultura, Baja California. *Geología de la formación sepultura del Paleoceno, en mesa de la Sepultura, Baja California*. *Ciencias Marinas*, 19:75–93.
- Abitia-Cárdenas, J. Rodríguez-Romero, F. Galván-Magaña, J. De la Cruz-Agüero, and H. Chávez-Ramos. 1994. Systematic list of the ichthyofauna of La Paz Bay, Baja California Sur, Mexico. *Ciencias Marinas* 20: 159–181.
- Aburto-Oropeza, O. 2010. Los beneficios de las reservas marinas. *Biodiversitas, Boletín Bimestral de la Comisión Nacional para el Conocimiento y Uso de la Biodiversidad*, Núm. 89, Marzo-Abril, 2010.
- Aburto-Oropeza, O. and E. F. Balart. 2001. Community structure of reef fish in several habitats of a rocky reef in the Gulf of California. *Publicazioni Della Stazione Zoologica Di Napoli (PSZNI): Marine Ecology* 22(4):283–305.
- Aburto-Oropeza O., I. Dominguez-Guerrero, J. Cota-Nieto and T. Plomozo-Lugo. 2009. Recruitment and ontogenetic habitat shifts of the Yellow snapper (*Lutjanus argentiventris*) in the Gulf of California. *Marine Biology* 156:2461-2472.
- Aburto-Oropeza O, B. Erisman, G. Galland, I. Mascarenas-Osorio, E. Sala and E. Ezcurra. 2011. Largest recovery of fish biomass in a no-take marine reserve. *PLoS ONE* 6(8): e23601.

- Aburto-Oropeza, O., B. Erisman, V. Valdez-Ornelas, and G. Danemann. (2008). Commercially important serranid fishes from the Gulf of California: Ecology, Fisheries, and Conservation. *Ciencia Marina y Conservación* 1: 1–44.
- Aburto-Oropeza, O., B. Erisman, G. R. Galland, I. Mascareñas-Osorio, E. Sala and E. Ezcurra. 2011. Large recovery of fish biomass in a no-take marine reserve. *PloS One* 6(8): e23601.
- Aburto-Oropeza, O., E. Ezcurra, G. Danemann, V. Valdez, J. Murray and E. Sala. 2008. Mangroves in the Gulf of California increase fishery yields. *Proceedings of the National Academy of Sciences* 105(30): 10456–10459.
- Aburto-Oropeza, O., E. Ezcurra, J. Moxley, A. Sánchez-Rodríguez, I. Mascareñas-Osorio, C. Sánchez-Ortiz, B. Erisman and T. Ricketts. 2015. A framework to assess the health of rocky reefs linking geomorphology, community assemblage, and fish biomass. *Ecological indicators* 52: 353-361.
- Aburto-Oropeza O. and P. Hull. 2008. A probable spawning aggregation of the leather bass, *dermatolepis dermatolepis*, in Revillagigedo Archipelago. *Journal Of Fish Biology* 73(1): 288-295.
- Aburto-Oropeza O., L. G. Lopez-Lemus, G. Paredes, M. Reza, A. Saenz A. and E. Sala E. 2007. Letter to the Editor. *Fisheries Research* 85(1-2): 233- 234.
- Aburto-Oropeza O., G. Paredes, I. Mascareñas-Osorio and E. Sala. 2010. Climatic influence on reef fish recruitment and fisheries. *Marine Ecology Progress Series* 410: 283–287.
- Aburto-Oropeza, O., E. Sala, G. Paredes, A. Mendoza and E. Ballesteros. 2007. Predictability of reef fish recruitment in a highly variable nursery habitat. *Ecology* 88(9): 2220-2228.
- Aburto-Oropeza O, E. Sala, C. Sanchez-Ortiz. 2000. Feeding behavior, habitat use, and abundance of the angelfish *Holacanthus passer* (Pomacanthidae) in the southern Sea of Cortes. *Environmental Biology of Fish* 57 (4): 435-442.
- Aburto-Oropeza O, E. Sala, G. Paredes, A Mendoz and E. Ballesteros. 2007. Predictability of reef fish recruitment in a highly variable nursery habitat. *Ecology* 88: 2220-2228.
- Aburto-Oropeza, O. and C. A. Sánchez-Ortiz (eds.). 2000. *Recursos arrecifales del Golfo de California, estrategias de manejo para las especies marinas de ornato* (Reef resources of the Gulf of California, management strategies for the marine ornate species). Universidad Autónoma de Baja California Sur, La Paz (UABCS)/Birch Aquarium, SCRIPPS Institution of Oceanography, CA. 138 pp.
- Aceves-Medina, G., S. P. A. Jiménez-Rosenberg, A. Hinojosa-Medina, R. Funes-Rodríguez, R. J. Saldierna, D. Lluch-Belda, P. E. Smith, and W. Watson. 2003a. Fish larvae from the Gulf of California. *Scientia Marina* 67: 1–11.
- Aceves-Medina, G., S. P. A. Jiménez-Rosenberg, A. Hinojosa-Medina, R. Funes-Rodríguez, R. J. Saldierna-Martínez, and P. E. Smith. 2003b. Fish larvae assemblages in the Gulf of California. *Journal of Fish Biology* 65: 832–847.
- Addicott, W. O. 1970. Tertiary paleoclimatic trends in the San Joaquin Basin, California. U.S. Geol. Survey Professional Paper, 644-D: 1–19.
- Adey, W. and D. McKibben. 1970. Studies on the maerl species *Phymatolithon calcareum* (Pallas) nov. comb. and *Lithothamnion corallioides* Crouan in the Rio de Vigo. *Botanica Marina* 13:100–106.
- Agardy, T. 1997. *Marine Protected Areas and Ocean Conservation*. Academic Press, San Diego, Calif.
- Agler, W. E. 1913. Green turtles in Lower California. Pp. 1181 in, U.S. Bureau of Foreign and Domestic Commerce, Daily Consular and Trade Reports, No. 55. March 6.

- Aguilar-Camacho, J. M. and J. L. Carballo. 2013. Raspailiidae (Porifera, Demospongiae, Axinellida) from the Mexican Pacific Ocean with the description of seven new species. *Journal of Natural History* 47: 1663-1706
- Aguilar-Camacho, J. M. and J. L. Carballo. 2012. New and little known poecilosclerid sponges from the Mexican Pacific ocean. *Zoological Studies* 51(7): 1139-1153.
- Aguilar-Camacho, J. M., J. L. Carballo and J. A. Cruz-Barraza. 2013. Acarniidae from the Mexican Pacific Ocean (Porifera, Demospongiae, Poecilosclerida) with the description of seven new species. *Scientia Marina* 77(4): 677-696.
- Aguilar-Rosas, L. E., R. Aguilar-Rosas, L. E. Mateo-Cid, L.E., and A. C. Mendoza-González. 2002. Marine algae from the Gulf of Santa Clara, Sonora, México. *Hydrobiologia* 477: 231–238.
- Aguilar-Rosas, L. E., R. Aguilar-Rosas, A. C. Mendoza-González, and L. E. Mateo-Cid. 2000. Marine algae from the northeast coast of Baja California, México. *Botanica Marina* 43: 127–139.
- Aguilar-Rosas, L. E., S. M. Boo, F. Correa-Sandoval, A. Ramírez-Valdez, I. Giffard-Mena and C. V. Aguilar-Rosas. 2011. First record of *Dictyopteris prolifera* (Dictyotales: Phaeophyceae) on the eastern Pacific coast. *Marine Biodiversity Records*, 4, e83 doi:10.1017/S1755267211000832.
- Aguilar-Rosas, R. P., I. Pacheco-Ruiz, and L. E. Aguilar-Rosas. 1984. New records and some notes about the marine algal flora of the northwest coast of Baja California, México. *Ciencias Marinas* 10(2): 159–166.
- Aguilar-Rosas, R. P., T. R. Van Devender, and R. S. Felger. 2000. *Cactáceas de Sonora, México: Su Diversidad, Uso y Conservación*. Arizona-Sonora Desert Museum, Tucson, AZ.
- Aguilar-S., A., J. W. Sites, Jr. and R. W. Murphy. 1988. Genetic variation and population structure in the Baja California rock lizard genus *Petrosaurus* (Iguanidae). *Journal of Herpetology* 22: 135-145.
- Aguirre-Muñoz, A., D. A. Croll, C. J. Donlan, R. W. Henry III, M. A. Hermosillo, G. R. Howald, B. S. Keitt, L. Luna-Mendoza, M. Rodríguez-Malagón, L. M. Salas-Flores, A. Samaniego-Herrera, J. Angel Sanchez-Pacheco, J. Sheppard, B. R. Tershy, J. Toro-Benito, S. Wolf and B. Wood. 2008. High-impact conservation: invasive mammal eradications from the islands of western México. *Ambio* 37(2): 101-107.
- Aguirre, L. G., D. J. Morafka and R. W. Murphy. 1999. The peninsular archipelago of Baja California: a thousand kilometers of tree lizard genetics. *Herpetologica* 55: 369-381.
- Aguirre, J., R. Riding, and J. C. Braga. 2000. Diversity of Coralline red algae: origination and extinction patterns from Early Cretaceous to the Pleistocene. *Paleobiology* 26(4):651–667.
- Aguíñiga García, S. And S. Alvarez Borrego. 1989. Patchiness and temporal variation of ammonium and phosphate in pore waters of intertidal sediments in a coastal lagoon. *Ciencias Marinas* 15(3): 97-120.
- Ahlstrom, F. N. (ed.). 2000. *Living in the Western Papaguería: An Archaeological Overview of the Barry M. Goldwater Air Force Range in Southwestern Arizona*. Cultural Resource Report No. 98-186, SWCA Environmental Consultants, Tucson, AZ.
- Ainsworth, C. H. 2011. Quantifying species abundance trends in the northern Gulf of California using local ecological knowledge. *Marine and Coastal Fisheries* 3: 190-218.
- Ainsworth, C. H., I. C. Kaplan, P. S. Levin and M. Mangel. 2010. A statistical approach for estimating fish diet compositions from multiple data sources: Gulf of California case study. *Ecological Applications* 20: 2188-2202.

- Ainsworth, C. H., H. Morzaria-Luna, I. C. Kaplan, P. S. Levin, E. A. Fulton, R. Cudney-Bueno, P. Turk-Boyer, J. Torre, G. D. Danemann and T. Pfister. 2012. Effective ecosystem-based management must encourage regulatory compliance: A Gulf of California case study. *Marine Policy* 36: 1275-1283.
- Ainsworth, C. H., H. Morzaria-Luna, I. C. Kaplan, P. S. Levin, E. A. Fulton. 2012. Full compliance with harvest regulations yields ecological benefits: Northern Gulf of California case study. *Journal of Applied Ecology* 49: 63-72.
- Aitchison, S. 2010. *The Desert Islands of Mexico's Sea of Cortez*. University of Arizona Press, Tucson.
- Alatorre, L. C., S. Sánchez-Carrillo, S. Miramontes-Beltrán, R. J. Medina, M. E. Torres-Olave, L. C. Bravo, L. C. Wiebe, A. Granados, D. K. Adams, E. Sánchez and M. Uc. 2016. Temporal changes of NDVI for qualitative environmental assessment of mangroves: Shrimp farming impact on the health decline of the arid mangroves in the Gulf of California (1990-2010). *Journal of Arid Environments* 125: 98-109.
- Alcalá, G. 2003. Políticas pesqueras en México (1946–2000). Contradicciones y aciertos en la planificación de la pesca nacional. El Colegio de México, Centro de Investigación Científica y de Educación Superior de Ensenada, El Colegio de Michoacán. México, DF, Ensenada, BC, Morelia, MI. 106 pp.
- All, J. D. 2006. Colorado River floods, droughts, and shrimp fishing in the upper Gulf of California, Mexico. *Environmental Management* 37(1): 111-125.
- All, J. D. 2007. Sound and fury signifying nothing: using geoinformatics to inform resource policy in the Gulf of California, Mexico. *Environmental Management* 40: 7-11.
- All, J. D. and S. R. Yool. 2008. Indexing endangered species risk in the Colorado River Delta, Mexico using AVHRR NDVI Time series data. *Geocarto International* 19: 4-5.
- All, J. D. 2007. Sound and fury signifying nothing: Using geo-informatics to inform resource policy in the Gulf of California, Mexico. *Environmental Management* 40: 7–11.
- Allard, D. C. 1999. The origins and early history of the steamer *Albatross*, 1880–1887. *Marine Fisheries Review* 61: 1–21.
- Allen, W. E. 1923. Observations on surface distribution of marine diatoms of Lower California in 1921. *Proceedings of the California Academy of Sciences* 12: 437-442.
- Allen, W. E. 1937. Plankton diatoms of the Gulf of California obtained by the G. Allen Hancock Expedition of 1936. *The Hancock Pacific Expeditions*, University of Southern California 3: 47-59.
- Allen W. E. 1938. The Templeton Crocker expedition to the Gulf of California in 1935: the phytoplankton. *Am. Micr. Soc. Trans.* 67: 328-335.
- Allen, G. R. and D. R. Robertson. 1994. *Fishes of the Tropical Eastern Pacific*. Crawford House Press, Bathurst, NSW, Australia, and University of Hawaii Press, Honolulu. 332 pp.
- Allen, G. R. and D. R. Robertson. 1998. *Peces del Pacífico Oriental Tropical*. [Traducción de M. I. López.] Mexico, D. F.: CONABIO, Agrupación Sierra Madre, y CEMEX. 327 pp.
- Allen, W. E. 1923. Observations on surface distribution of marine diatoms of Lower California in 1921. *Proceedings of the California Academy of Sciences* 12: 437-442.
- Allen, W. E. 1937. Plankton diatoms of the Gulf of California obtained by the G. Allen Hancock Expedition of 1936. *The Hancock Pacific Expeditions*, University of Southern California 3: 47-59.
- Allen, W. E. 1938. The Templeton Crocker Expedition to the Gulf of California in 1935. Phytoplankton. *Transactions of the American Microscopy Society* 67: 328-335.

- Almeida-Paz, M., G. Morales-Abril and M J. Román-Rodríguez. 1992. Aspectos sobre aclimatación y crecimiento de juveniles de totoaba, *Totoaba macdonaldi* (Gilvert) (Pisces: Sciaenidae) en condiciones de cautiverio. *Ecológia* 2: 7-12.
- Almendarez-Hernández, L. C., G. Ponce-Díaz, D. Lluch-Belda, P. Del Monte-Luna and R. Saldívar-Lucio. 2015. Risk assessment and uncertainty of the shrimp trawl fishery in the Gulf of California considering environmental variability. *Latin American Journal of Aquatic Research* 43(4): 651-661.
- Almendarez-Hernández, M. A., I. Sánchez-Brito, M. V. Morales Zárate and C. A. Salinas-Zavala. 2016. Propuesta de cuotas para conservación de un área natural protegida de México. *Perfiles Latinoamericanos* 24(47): 95-120.
- Altschul, J. H. and A. G. Rankin (eds.). 2008. *Fragile Patterns, the Archaeology of the Western Papaguería*. SRI Press, Tucson, AZ.
- Alvarado, J. J., J. Cortés, H. Guzman and H. Reyes-Bonilla. 2016. Density, size, and biomass of *Diadema mexicanum* (Echinoidea) in Eastern Tropical Pacific coral reefs. *Aquatic Biology* 24: 151-161.
- Alvarado, J. and A. Figueroa. 1992. Recapturas post-anidatorias de hembras de tortuga marina negra (*Chelonia agassizi*) marcadas en Michoacán, Mexico. *Biotropica* 24:560–566.
- Alvarado-Díaz, J., C. Delgado-Trejo and I. Suazo-Ortuño. 2001. Evaluation of black turtle project in Michoacán, Mexico. *Marine Turtle Newsletter* 92:4–7.
- Alvarez Williams, A. 2007. Sing the River. Pp. 99-116 in, R. S. Felger and B. Broyles (eds.), *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake City.
- Álvarez L. G., A. Badan-Dangon and J. M. Robles. 1984. Lagrangian observations of near-surface currents in Canal de Ballenas. *CalCOFI Rep.* 25: 35-42.
- Álvarez, L. G. and S. E. Jones. 2002. Factors influencing suspended sediment flux in the Upper Gulf of California. *Estuarine, Coastal and Shelf Science* 54(4): 747-759.
- Álvarez-Borrego, S. 1983. Gulf of California. Pp. 427–449, in B. H. Ketchum (ed.), *Ecosystems of the World 26. Estuaries and Enclosed Seas*. Elsevier Scientific, New York.
- Álvarez-Borrego, S. 1990. Evidence of an ENSO event in the data of the 1889 Albatross cruise to the Gulf of California. *Ciencias Marinas* 16(2): 131–135.
- Álvarez-Borrego, S. 2000. The Colorado River Estuary and Upper Gulf of California, Baja, Mexico. *Coastal Marine Ecosystems of Latin America*. Springer-Verlag, Berlin Heidelberg: 331–340.
- Álvarez-Borrego, S. 2001. The Colorado River estuary and Upper Gulf of California, Baja, Mexico. Chapter 33 (331-340) in: Seeliger, U., L. Drude-De-Lacerda, and B. Kjerfve (Eds.), *Coastal Marine Ecosystems of Latin-America*, Springer-Verlag, Berlin.
- Álvarez-Borrego, S. 2002. Physical and biological linkages between the upper and lower Colorado Delta. Pp. 1077-1089 in, D. J. Rapport, W. L. Lasley, D. E. Rolston, N. O. Nielsen, C. O. Qualset and A. B. Damania (eds.), *Managing for Healthy Ecosystems*. Lewis Publishers, Boca Raton, LA.
- Álvarez-Borrego, S. 2002. Physical oceanography. Pp. 41–60 in T. Case, M. Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Álvarez-Borrego, S. 2003. Physical and biological linkages between the upper and lower Colorado delta. Pp. 1081–1083 in D. Rapport, W. Lasley, D. Rolston, N. Nielsen, C. Qualset, A. Damania (eds.), *Managing for Healthy Ecosystems*. Lewis Publishers, Washington, D.C.

- Álvarez-Borrego, S. 2004. Nutrient and phytoplankton dynamics in a coastal lagoon strongly affected by coastal upwelling. *Ciencias Marinas* 30(1A): 1-19.
- Álvarez-Borrego, S. 2012. New phytoplankton production as a tool to estimate the vertical component of water exchange between the Gulf of California and the Pacific. *Ciencias Marinas* 38(1A): 89-99.
- Álvarez-Borrego, S. 2014. New phytoplankton production and biogenic silica as tools to estimate nutrients and dissolved inorganic carbon exchange between the Gulf of California and the Pacific Ocean. Pp. 1-22 in, E. V. Wehncke, J. R. Lara-Lara, S. Álvarez-Borrego and E. Ezcurra, *Conservation Science in Mexico's Northwest. Ecosystem status and Trends in the Gulf of California*. U.C. Mexus, University of California.
- Álvarez-Borrego, S., B. P. Flores-Báez, and L. A. Galindo-Bect. 1975. Hidrología del Alto Golfo de California II. Condiciones durante invierno, primavera y verano. *Ciencias Marinas* 2(1): 21-36.
- Álvarez-Borrego, S. and L.A. Galindo-Bect. 1974. Hidrología del Alto Golfo de California-I. Condiciones durante otoño. *Ciencias Marinas* 1: 46-64.
- Álvarez-Borrego, S., L.A. Galindo-Bect, and B.P. Flores-Baez. 1973. Hidrología. Pages 6-177, in *Estudio Químico sobre la Contaminación por Insecticidas en la Desembocadura del Río Colorado*, Tomo I, Reporte a la Dirección de Acuicultura de la Secretaría de Recursos Hidráulicos. Available from: Universidad Autónoma de Baja California, Ensenada, México.
- Álvarez-Borrego, S. and G. Gaxiola-Castro. 1988. Photosynthetic parameters of northern Gulf of California phytoplankton. *Continental Shelf Research* 8: 37-47.
- Álvarez-Borrego, S. and A. D. Giles-Guzmán. 2012. Opal in Gulf of California sediments as a tool to estimate the vertical component of water exchange between the Gulf and the Pacific Ocean. *Bot. Mar.* 55: 161-168.
- Álvarez-Borrego, S., D. Guthrie, C.H. Culberson, and P.K. Park. 1975. Test of Redfield's model for the oxygen-nutrient relationships using regression analysis. *Limnology and Oceanography* 20: 795-805.
- Álvarez-Borrego, S. and J. R. Lara-Lara. 1991. The physical environment and primary productivity of the Gulf of California. Pp. 555-567 in B. R. T. Simoneit and J. P. Drophin (eds), *The Gulf and Peninsular Province of the Californias*. American Association of Petroleum Geologists, Memoir 47, Tulsa.
- Álvarez-Borrego, S., J.A. Rivera, G. Gaxiola-Castro, M.J. Acosta-Ruiz, and R.A. Schwartzlose. 1978. Nutrientes en el Golfo de California. *Ciencias Marinas* 5: 53-71.
- Álvarez-Borrego, S. and R.A. Schwartzlose. 1979. Water masses of the Gulf of California. *Ciencias Marinas* 6: 43-63.
- Álvarez-Castañeda, S. 2007. Systematics of the antelope ground squirrel (*Ammospermophilus*) from islands adjacent to the Baja California Peninsula. *Journal of Mammalogy* 88: 1160-1169.
- Álvarez-Castañeda, S. and J. Patton (eds.). 1999. *Mamíferos del Noroeste de México*. Centro de Investigaciones Biológicas del Noroeste, La Paz, BCS.
- Álvarez-Castañeda, S. and J. Patton. 2004. Geographic genetic architecture of pocket gopher (*Thomomys bottae*) populations in Baja California, Mexico. *Molecular Ecology* 13: 2287-2301.
- Álvarez, F., J. L. Villalobos and M. E. Hendrickx. 2013. Biodiversity of decapod crustaceans (Crustacea: Decapoda) in Mexico. *Revista Mexicana de Biodiversidad* 84, DOI: 10.7550/rmb.38758.

- Álvarez, L. G. and S. E. Jones. 2002. Factors influencing suspended sediment flux in the Upper Gulf of California. *Estuarine, Coastal and Shelf Science* 54(4): 747-759.
- Álvarez-Filip, L., H. Reyes-Bonilla and L. E. Calderón-Aguilera. 2006. Community structure of reef fishes in Cabo Pulmo reef, Gulf of California. *Marine Ecology* 27: 253-262.
- Álvarez-Molina, L. L., S. Álvarez-Borrego, J. R. Lara-Lara and S. G. Marinone. 2013. Annual and semiannual variations of phytoplankton biomass and production in the central Gulf of California estimated from satellite data. *Ciencias Marinas* 39(2): 217-230.
- Álvarez-Sánchez, L.G., A. Badan-Dangon, and J.M. Robles. 1984. Lagrangian observations of near-surface currents in Canal de Ballenas. *CalCOFI Reports* 25: 35-42.
- Álvarez-Tello, F. J., J. López-Martínez and J. Rodríguez-Romero. 2013. First record of the association between *Stomolophus meleagris* (Cnidaria: Scyphozoa: Rhizostomeae) and *Conchoderma cf. virgatum* (Crustacea: Cirripedia: Thoracica) in the Gulf of California. *Hidrobiológica* 23(1): 138-142.
- Alvarez Williams, A. 1979. Cocopa. Pp. 99-112 in, A. Ortiz (ed.), *Handbook of North American Indians, Southwest, Vol. 10*. Smithsonian Institution, Washington, D.C.
- Amador, J. A., E. R. Rivera, A. M. Durán-Quesada, G. Mora and F. Sáenz. 2016. The easternmost tropical Pacific. Part I: A climate review. *Revista de Biología Tropical* 64 (Suppl. 1): S1-S22.
- Amador, J. A., A. M. Durán-Quesada, E. R. Rivera, G. Mora, F. Sáenz, B. Calderón and N. Mora. 2016. The easternmost tropical Pacific. Part II: Seasonal and intraseasonal modes of atmospheric variability. *Revista de Biología Tropical* 64 (Suppl. 1): S23-57.
- American Rivers. 1998. Most Endangered Rivers Report. <http://www.amrivers.org>
- Ames, P. L. 1966. DDT residues in the eggs of the osprey in the northeastern USA and their relation to nest success. *Journal of Applied Ecology* 3 (Supplement): 87-97.
- Ames, P. L. and G. S. Mersereau. 1964. Some factors in the decline of the osprey in Connecticut. *Auk* 81: 173-185.
- Amezcu-Linares, F. 1996. *Peces demersales de la plataforma continental del Pacífico central de México*. Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México, México, D. F. 184 pp.
- Anderson, B. W. and R. D. Ohmart. 1977. Vegetation structure and bird use in the lower Colorado River valley. Importance, Preservation and Management of Riparian Habitat: A Symposium July 9, 1977, Tuscon, Arizona, USDA Forest Service General Technical Report RM-43: 23-34.
- Anderson, B. W. and R. D. Ohmart. 1985. Habitat use by Clapper Rails in the lower Colorado River valley. *The Condor* 87(1): 116-126.
- Anderson, B. W., R. D. Ohmart, et al. 1983. Avian and vegetation community structure and their seasonal relationships in the lower Colorado River valley. *The Condor* 85(4): 392-405.
- Anderson, C. A. 1950. Geology of islands and neighboring land areas. Part I of 1940 E. W. Scripps Cruise to the Gulf of California. Geological Society of America, Memoir 43. Geological Society of America, NY.
- Anderson, D. G. and J. C. Gillam. 2000. Paleoindian colonization of the Americas: implications from an examination of physiography, demography, and artifact distribution. *American Antiquity* 65: 43-66.
- Anderson, D. L. 1971. The San Andreas Fault. *Scientific American*, 225: 58-68.
- Anderson, D. W. 1983. The seabirds. Pp. 246-264 in T. J. Case and M. L. Cody (eds.), *Island Biogeography in the Sea of Cortéz*. University California Press, Berkeley.

- Anderson, D. W. 2003. Overview: the Colorado River Delta Ecosystem: Ecological issues at the U.S.–Mexico border. Pp. 1069–1070 in D. J. Rapport, W. L. Lasley, D. E. Rolston, N. O. Nielsen, C. Q. Qualset, and A. B. Damania (eds.). *Managing for Healthy Ecosystems*. Lewis Publishers, Boca Raton, FL.
- Anderson, D. W. and J. O. Keith. 1980. The human influence on seabird nesting success: conservation implications. *Biological Conservation* 18: 65-80.
- Anderson, D. W., S. Alvarez-Borrego, H. R. Carter, F. Gress, C. Harrison, J. O. Keith, B. Keitt, P. R. Kelly, E. Palacios, and E. Velarde. Pacific Seabird Group seabird conservation policy in the Gulf of California and waters of western Baja California. *Pacific Seabirds* 32(2).
- Anderson, D. W., F. Gress, K. F. Mais, and P. R. Kelly. 1980. Brown pelicans as anchovy stock indicators and their relationships to commercial fishing. *CalCOFI Reports*, 21: 54–61.
- Anderson, D.W., C. J. Henny, C. Godinez-Reyes, F. Gress, E. L. Palacios, K. Santos del Prado, and J. Bredy. 2007. Size of the California brown pelican metapopulation during a non-El Niño year. U.S. Geological Survey, Reston, Virginia, Open-File Report 2007–1299.
- Anderson, D.W. and E. Palacios. 2008. Seabirds and bird islands in the Bahía de los Angeles region: status and conservation. *Fauna and Flora of the Bahía de los Angeles National Park*. ProNatura Noroeste, Mexico.
- Anderson, D. W., E. Palacios, E. Mellink, and C. Valdés-Casillas. 2003. Migratory bird conservation and ecological health in the Colorado River delta region. Pp. 1091–1109 in D. Rapport, W. Lasley, D. Rolston, N. Nielsen, C. Qualset, and A. Damania (eds.), *Managing for Healthy Ecosystems*. Lewis Publishers, Washington, D.C.
- Anderson, G., D. C. Agnew and H. O. Johnson. 2003. Salton Trough regional deformation estimated from combined trilateration and survey-mode GPS data. *Bulletin of the Seismological Society of America* 6: 2402-2414.
- Anderson, T. H. (ed.). 2005. The Mojave-Sonora Megashear hypothesis: development, assessment, and alternatives. Geological Society of America, Spec. Pap. 393.
- Angradi, T. R. 1994. Trophic linkages in the lower Colorado River: Multiple stable isotope evidence. *Journal of the North American Benthological Society* 13(4): 479-495.
- Aguilar-Medrano, R. H. Reyes-Bonilla and P. D. Polly. 2015. Adaptive radiation of damselfishes (Perciformes, Pomacentridae) in the eastern Pacific. *Marine Biology* 162: 2291-2303.
- Aguirre, L. G., D. J. Morafka and R. W. Murphy. 1999. The peninsular archipelago of Baja California: a thousand kilometers of tree lizard genetics. *Herpetologica* 55: 369-381.
- Applegate, S. P. 1992. The Protogulf revisited, pp. 64-73 in, A. Carillo-Chávez and A. Alvarez-Arellano (eds.), *Primera Reunión Internacional Sobre Geología de la Península de Baja California*. Memorias, Universidad Autónoma de Baja California Sur, La Paz, Mexico.
- Applegate, S. P., F. Soltelo-Macías, and L. Espinosa-Arrubarrena. 1993. An overview of the Mexican shark fisheries, with suggestions for shark conservation in Mexico. Pp. 31–37 in Branstetter, S. (ed.), *Conservation Biology of Elasmobranchs*. National Oceanic and Atmospheric Administration, National Marine Fisheries Service Technical Report 115.
- Aragón-Noriega, E. A. 2014. Modeling the individual growth of the Gulf corvina, *Cynoscion othonopterus* (Pisces: Sciaenidae) using a multi-model approach. *Ciencias Marinas* 40(2): 149-161.
- Aragón-Arreola, M. and A. Martín-Barajas. 2007. Westward migration of extension in the northern Gulf of California, Mexico. *Geology* 35: 571-574.

- Aragón-Noriega, E. A. and L. E. Calderón-Aguilera. 2000. Does damming of the Colorado River affect the nursery area of blue shrimp *Litopenaeus stylirostris* (Decapoda; Penaeidae) in the upper Gulf of California? *Rev. Biol. Trop.* 48: 867–871.
- Aragón-Noriega, E. A. and L. E. Calderon-Aguilera. 2001. Age and growth of shrimp postlarvae in the Upper Gulf of California. *Aqua Journal of Ichthyology and Aquatic Biology* 4: 99–104.
- Aragón-Noriega, E. A., L. E. Calderon-Aguilera, E. Alcántara-Razo and J. E. Mendivil-Mendoza. 2016. Spatial distribution, density and population structure of the Cortés geoduck, *Panopea globosa* in the central Gulf of California. *Revista de Biología Marina y Oceanografía* 51(1): 1-10
- Aragón-Noriega, E. A., L. E. Calderon-Aguilera and S. A. Pérez-Valencia. 2015. Modeling growth of the Cortes geoduck *Panopea globose* from unexploited and exploited beds in the northern Gulf of California. *Journal of Shellfish Research* 34(10): 119-127.
- Aragón-Noriega, E. A., C. Cervantes-Valle, A. R. García-Juárez and L. E. Calderón-Aguilera. 1999. Distribución y abundancia de la población desovante de camarones del norte del Golfo de California durante el verano de 1996. *Ciencia y Mar* 3(9): 37-48.
- Aragón-Noriega, E. A. and G. Rodríguez-Domínguez. 2015. Comparison of growth curves of four *Panopea* species. *Journal of Shellfish Research* 34(1): 147-151.
- Aragón-Noriega, E. A., G. Rodríguez -Quiroz, M. A. Cisneros-Mata and A. Ortega-Rubio. 2010. Managing a protected marine area for the conservation of critically endangered vaquita (*Phocoena sinus* Norris, 1958) in the upper Gulf of California. *Internat. J. Sustainable Development and World Ecology* 17: 410-416.
- Aragón-Noriega, E. A., W. Valenzuela-Quñones, H. Esparza-Leal, A. Ortega-Rubio and G. Rodríguez-Quiroz. 2009. Analysis of management options for artisanal fishing of the bigeye croaker *Micropogonias megalops* (Gilbert, 1890) in the Upper Gulf of California. *International Journal of Biodiversity Science and Management* 5(4): 208-214.
- Arellano-Martínez, M., J. de la Cruz-Agüero and V. M. Cota-Gómez. 1997. New records and range extensions of fishes on the Pacific coast of Mexico. *Revista Biología Tropical* 45: 936.
- Arellano-Peralta, V. A. and L. Medrano-González. 2015. Ecology, conservation and human history of marine mammals in the Gulf of California and Pacific coast of Baja California, Mexico. *Ocean and Coastal Management* 104: 90-105.
- Arellano-Peralta, V. A. and L. Medrano González. 2013. Mamíferos marinos en el golfo de California. Macroecología, impacto humano y su perspectiva hacia la conservación. Colección Posgrado, Biblioteca Nacional de México, Universidad Autónoma de México. 265 pp.
- Arellano-Peralta, V. A. and L. Medrano-González. 2015. Ecology, conservation and human history of marine mammals in the Gulf of California and Pacific coast of Baja California, Mexico. *Ocean and Coastal Management* 104: 90-105.
- Arellano-Peralta, V. A., A. Sáez Arroyo and L. Medrano González. 2011. Historia del impacto humano sobre los mamíferos marinos del Golfo de California. *CONABIO, Biodiversitas* 98: 8-12.
- Argote, M. L., A. Amador and M. F. Lavín. 1995. Tidal dissipation and stratification in the Gulf of California. *Journal of Geophysical Research* 100(C8): 16,103-16,118.
- Argote, M. L., A. Amador, M. F. Lavín, and J. Hunter. 1995. Tidal dissipation and stratification in the Gulf of California. *Journal of Geophysical Research* 100: 103–118.

- Arias, E., M. Albar, M. Becerra, A. Boone, D. Chia, J. Gao, C. Muñoz, I. Parra, M. Reza, J. Sainz and A. Vargas. 2004. Gulf of California/Colorado River Basin. Global International Waters Assessment, United Nations Environment Programme, Report 27. Univeristy of Kalmar, Kalmar, Sweden. 116 pp.
- Arizmendi-Rodríguez, D. I., J. López-Martínez and E. Herrera-Valdivia. 2014. Feeding habits of *Eucinostomus entomelas* and *Micropogonias megalops* in Las Guasimas Lagoon, Gulf of California. *Journal of the Marine Biological Association of the United Kingdom* doi:10.1017/S0025315414000198.
- Arnaud, S. 1970. The Sefton Foundation *Orca* Expedition to the Gulf of California, March-April, 1953. General Account. Occasional Papers, California Academy of Sciences, No. 86.
- Arnaud, S., M. Monteforte, N. Galtier, F. Bonhomme, F. Blanc. 2000. Population structure and genetic variability of pearl oyster *Pinctada mazatlanica* along Pacific coast from Mexico to Panama. *Conservation Genetics* 1, 299–307.
- Arita, H. and J. Ortega. 1998. The middle American bat fauna: Conservation in the neotropical-nearctic border. Pp. 295–308 in T. Kunz, P. Racey (eds.), *Bat Biology and Conservation*. Washington: Smithsonian Institution Press.
- Arnold, B. A. 1957. Late Pleistocene and Recent changes in land forms, climate, and archaeology in central Baja California. *University of California Publications in Geography* 10: 201-317.
- Arreguín-Sánchez, F. 2005. Impacto de la pesca en el ecosistema? Análisis de los cambios en el nivel trófico de las capturas en los litorales Mexicanos. Simposio Internacional sobre Ciencias Pesqueras en México, La Paz, BCS. American Fisheries Society/Centro Interdisciplinario sobre Ciencias Marinas del IPN/Centro de Investigaciones Biológicas del Noroeste, SC/Instituto Nacional de la Pesca/Centro de Investigación Científica y de Educación Superior de Ensenada/Instituto Nacional de la Pesca/World Wildlife Fund México.
- Arreguín-Sánchez, F. and E. Arcos Huitrón. 2011. Fishing in Mexico: state of exploitation and use of ecosystems. *Hidrobiológica* 21(3): 431-462.
- Arreguín-Sánchez, F., E. Arcos, and E. A. Chávez. 2002. Flows of biomass and structure in an exploited benthic ecosystem in the Gulf of California, Mexico. *Ecological Modeling* 156: 167–183.
- Arreguín-Sánchez, F., A. Hernández-Herrera, M. Ramírez-Rodríguez and H. Pérez-España. 2004. Optimal management scenarios for the artisanal fisheries in the ecosystem of La Paz Bay, Baja California Sur, Mexico. *Ecol. Modelling* 172: 373-382
- Arreola-Robles, J. L. and J. F. Elorduy-Garay. 2002. Reef fish diversity in the region of La Paz, Baja California Sur, Mexico. *Bulletin of Marine Science* 70: 1–18.
- Arvidson, R. E. and T. A. Mutch. 1974. Sedimentary patterns in and around craters from the Pinacate volcanic field, Sonora, Mexico: some comparisons with Mars. *Bull. Geol. Soc. America* 85: 99-104.
- Arvizu, J. and H. Chávez. 1972. Sinopsis sobre la biología de la totoaba *Cynoscion macdonaldi* Gilbert, 1890. *FAO Fish. Synop.* 108. 21 pp.
- Arvizu, H. E. and A. Iriondo. 2011. Estudios isotópicos de Hf en zircons de granitoides pérmicos en el NW de México: Evidencia de mezcla de magmas generados a partir de la fusión de Múltiples Fuentes corticales. *Revista Mexicana de Ciencias Geológicas* 28(3): 493-518.

- Arvizu, M. J. 1987. Fisheries activities in the Gulf of California, Mexico. CalCOFI Report 28:26–32.
- Aschmann, H. 1959. *The Central Desert of Baja California: Demography and Ecology*. Ibero-America 42. University of California Press, Berkeley and Los Angeles, CA.
- Aschmann, H. (ed.). 1966. *The natural and human history of Baja California—from manuscripts by Jesuit missionaries in the Decade 1752–1762*. Dawson's Book Shop, Los Angeles, California.
- Ashby, J. R., T. Ku and J. A. Minch. 1987. Uranium series ages of corals from the upper Pleistocene Mulegé terrace, Baja California Sur, Mexico. *Geology* 15: 139-141.
- Athanasiadis A., P. A. Lebednik, and W. H. Adey. 2004. The genus *Mesophyllum* (Melobesioideae, Corallinales, Rhodophyta) on the northern Pacific coast of North America. *Phycologia* 43 (2):126–165.
- Atwater, T. 1970. Implications of plate tectonics for the Cenozoic tectonic evolution of western North America. *Geological Society of America Bulletin* 81: 3513-3536.
- Atwater, T. and J. Stock. 1988. Pacific-North America plate tectonics of the Neogene southwestern United States—an update. *International Geological Review* 40: 375-402.
- Aubert, H. and D. V. Lightner. 2000. Identification of genetic populations of the Pacific blue shrimp *Penaeus stylirostris* of the Gulf of California, Mexico. *Marine Biology* 137, 875–885.
- Aurioles, D., B. J. Le Boeuf, and L. T. Findley. 1993. Registros de pinnípedos poco comunes para el Golfo de California. *Revista de Investigación Científica, Universidad Autónoma de Baja California Sur (SOMEMMA)*, 1:13–19.
- Aurioles-Gamboa, D. 1993. Biodiversidad y estado actual de los mamíferos marinos en México. Vol. Esp. (XLIV) *Revista Sociedad Mexicana Historia Natural*. Pp. 397–412.
- Aurioles-Gamboa, D., F. García-Rodríguez, M. Ramírez-Rodríguez, C. Hernández-Camacho. 2003. Interaction between the California sea lion and the artisanal fishery in La Paz Bay, Gulf of California, Mexico. *Ciencias Marinas* 29(3): 357-370.
- Aurioles-Gamboa, D., M. Y. Rodriguez-Perez, L. Sánchez-Velasco and M. F. Lavín. 2013. Habitat, trophic levels and residence of marine mammals in the Gulf of California assessed with stable isotope analysis. *Marine Ecology Progress Series* 488: 275-290.
- Aurioles-Gamboa, D. and G. A. Zavala. 1999. Algunos factores ecológicos que determinan la distribución y abundancia del lobo marino *Zalophus californianus*, en el Golfo de California. *Ciencias Marinas* 20(4):535–553.
- Averett, W. E. 1920. Lower California green turtle fishery. *Pacific Fishermen* 18:24–25.
- Ávila E. and J. L. Carballo. 2004. Growth and standing stock biomass of a mutualistic association between the sponge *Haliclona caerulea* and the red algae *Jania adherens*. *Symbiosis* 36 (3): 225-244.
- Ávila, E. and J. L. Carballo. 2006. Habitat selection by larvae of the symbiotic sponge *Haliclona caerulea* (Hechtel, 1965) (Demospongiae, Haplosclerida). *Symbiosis* 41: 21-29.
- Avila, E. and J. L. Carballo. 2009. A preliminary assessment of the invasiveness of the Indo-Pacific sponge *Chalinula nematifera* on coral communities from the tropical Eastern Pacific Ocean. *Biological Invasions*: 11:257–264.
- Ávila, E., J. L. Carballo and J. A. Cruz-Barraza. 2007. Symbiotic relationships between sponges and other organisms from the Mar de Cortés (Mexican Pacific coast): Same problems, same solutions. Pp. 147-156 in, M. R. Custódio, G. Lôbo-Hajdu, E. Hajdu and G. Muricy (eds.)

- Porifera Research: Biodiversity, Innovation and Sustainability. Série Livros 28, Museum Nacional, Rio de Janeiro.
- Ávila, E., J. L. Carballo and J. A. Cruz-Barraza. 2007. Pp. 147-156 in M. R. Custódio, G. Lôbo-Hajdu, E. Hajdu and G. Muricy (eds.) *Porifera Research: Biodiversity, Innovation and Sustainability*. Série Livros 28, Museu Nacional, Rio de Janeiro.
- Ávila, E., J. L. Carballo, V. Vega, L. Camacho, J. J. Barrón-Álvarez, C. Padilla-Verdín and B. Yáñez-Chávez. 2011. Deposition of shallow water sponges in response to seasonal changes. *Journal of Sea Research* 66: 172-180.
- Avila-Serrano, G. E., K. W. Flessa, M. A. Téllez-Duarte, and C. E. Cintra-Buenrostro. 2006. Distribution of the intertidal macrofauna of the Colorado River delta, northern Gulf of California, Mexico. *Ciencias Marinas* 32(4):649–661.
- Axelrod, D. I. 1979. Age and origin of Sonoran Desert vegetation. *Occasional Papers of the California Academy of Sciences* 132: 1-74.
- Axelrod, D. I. 1983. Paleobotanical history of the western deserts. Pp. 113-130 in, S. G. Wells and D. R. Haragan, eds.), *Origin and Evolution of Deserts*. University of New Mexico Press, Albuquerque, NM.
- Ayón-Parente, M. and M. E. Hendrickx. 2010. A new species of *Munida* Leach (Decapoda, Galatheidae) from off the Eastern Tropical Pacific. *Zootaxa* 2677: 49-59.
- Ayón-Parente, M. and M. E. Hendrickx. 2010. Species richness and distribution of hermit crabs of the family Diogenidae (Crustacea: Decapoda: Anomura) in the eastern Pacific. *Nauplius* 18: 1-12.
- Ayón-Parente, M. and M. E. Hendrickx. 2010. A new species of *Pagurus* (Crustacea, Decapoda, Paguridae), new records and a redescription of hermit crabs from the Mexican Pacific. *Scientia Marina* 76(3): 489-506.
- Ayón-Parente, M. and M. E. Hendrickx. 2012. Two new species of hermit crabs of the genus *Areopaguristes* Rahayu & McLaughlin, 2010 (Crustacea: Anomura: Paguroidea: Diogenidae) from the Eastern Tropical Pacific. *Zootaxa* 3407: 22-36.
- Ayón-Parente, M. and M. E. Hendrickx. 2013. Redescription and taxonomic status of *Paguristes weddelli* (H. Milne Edwards) (Crustacea: Anomura: Paguroidea: Diogenidae) from the eastern Pacific. *Zootaxa* 3616 (6): 587-596.
- Ayón-Parente, M. and M. E. Hendrickx. 2014. *Calyptraeotheres* sp. nov. (Crustacea: Decapoda: Pinnotheridae), symbiont of the slipper shell *Crepidula striolata* Meenke, 1851 (Mollusca: Gastropoda: Calyptraeidae) from the Gulf of California, Mexico. *Zootaxa* 3872(1): 89-94.
- Ayón-Parente, M., M. E. Hendrickx, C. M. Galvan-Villa and E. Ríos-Jara. 2015. A new species of the genus *Typton* Costa (Decapoda: Palaemonidae: Pontoniinae) from the eastern tropical Pacific. *Zootaxa* 3926 (3): 430-438.
- Ayón-Parente, M., M.E. Hendrickx, C.M. Galván-Villa and E. Ríos-Jara. 2014. Description of the first larval stage of *Pontonia simplex* (Decapoda: Caridea: Pontoninae) from the eastern tropical Pacific. *Crustaceana* 87 (11-12): 1447-1452.
- Ayón-Parente, M., M. E. Hendrickx and A. Hinojosa-Corona. 2014. Análisis de las comunidades observadas en transectos. Pp. 227-245 in, B. E. M. Mercado, A. H. Corona and M. E. Hendrickx, *Explorando el Mar Profundo del Golfo de California, 2008-2014*. CICESE, Ensenada, Mexico.
- Ayón-Parente, M., M.E. Hendrickx and R. Lemaitre. 2015. Redescription and taxonomic status of *Paguristes praedator* Glassell, 1937 and *P. oxyophthalmus* Holthuis, 1959 (Anomura,

- Paguroidea, Diogenidae), with an emendation to the diagnosis of the genus *Areopaguristes* Rahayu and McLaughlin, 2010. *Zootaxa* 3915 (4): 491-509.
- Azofeifa-Solano, J. C., M. Elizondo-Cota and I. S. Wehrtmann. 2014. Reproductive biology of the sea anemone shrimp *Periclimenes rathbunae* (Caridea, Palaemonidae, Pontoniinae), from the Caribbean coast of Costa Rica. *ZooKeys* 457: 211-225.
- Backus, D. H. and M. E. Johnson. 2009. Sand dunes on peninsular and island shores in the Gulf of California. Pp. 117-133 in, M. E. Johnson and J. Ledesma-Vázquez (eds.), *Atlas of Coastal Ecosystems in the Western Gulf of California*. University of Arizona Press, Tucson, AZ.
- Backus, D. H., M. E. Johnson and R. Riosmena-Rodríguez. 2012. Distribution, sediment source, and coastal erosion of fan-delta systems on Isla Cerralvo (lower Gulf of California, Mexico). *Journal of Coastal Research* 28: 210-224.
- Badan-Dangon, A. 1998. Coastal circulation from the Galapagos to the Gulf of California. Pp. 315-343 in, A. R. Robinson and K. H. Brink (eds.), *The Sea, Pan Regional Vol. 11*. John Wiley and Sons.
- Badan-Dangon, A., C. E. Dorman, M. A. Merrifield, and C. D. Winant. 1991. The lower atmosphere over the Gulf of California. *Journal of Geophysical Research* 96:16877-16896.
- Badan-Dangon, A., M. C. Hendershott, and M. F. Lavín. 1991. Underway Doppler Current Profiles in the Gulf of California. *EOS, Transactions, American Geophysical Union* 72:209-214.
- Badan-Dangon, A., C. J. Koblinsky, and T. Baumgartner. 1985. Spring and summer in the Gulf of California: observations of surface thermal patterns. *Oceanologica Acta* 8:13-22.
- Bahre, C. J. 1980. Historic Seri Residence, Range, and Sociopolitical Structure. *The Kiva* 45: 197-209.
- Bahre, C. J. and L. Bourillón. 2002. Human impact in the Midriff Islands. Pp. 383-406 in T. Case, M. Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Bahre, C. J., L. Bourillón, and J. Torre. 2000. The Seri and commercial totoaba fishing (1930-1965). *Journal of the Southwest* 42:559-575.
- Baker, C. S., L. Medrano-González, J. Calambokidis, A. Perry, F. Pichler, H. Rosebaum, J.M. Straley, J. Urbán R., M. Yamaguchi, and O. von Ziegesar. 1998. Population structure of nuclear and mitochondrial DNA variation among humpback whales in the North Pacific. *Molecular Ecology* 7(6):695-708.
- Bakun, A., E. A. Babcock, S. E. Lluch-Cota, S. E. Santora and C. J. Salvaedo. 2009. Issues of ecosystem-based management of forage fishes in open non-stationary ecosystems: the example of the sardine fishery in the Gulf of California. *Rev. Fish. Biol. Fisheries*. Doi:10.1007/s11160-009-9118-1.
- Balart, E. F., J. L. Castro-Aguirre, D. Auriolles-Gamboa, F. García-Rodríguez, and C. Villavicencio-Garayzar. 1995. Adiciones a la ictiofauna de Bahía de La Paz, Baja California Sur, México. *Hidrobiológica* 5(1-2):79-85.
- Balart, E. F., J. L. Castro-Aguirre, and F. De Lachica-Bonilla. 1997. Análisis comparativo de las comunidades ícticas de fondos blandos y someros de la Bahía de La Paz. Pp. 163-176 in J. Urbán-Ramírez, and M. Ramírez-Rodríguez (eds.), *La Bahía de La Paz, investigación y conservación*. Universidad Autónoma de Baja California Sur, La Paz. 345 pp.

- Balart, E. F., J. L. Castro-Aguirre, and R. Torres-Orozco. 1993. Ictiofauna de las bahías de Ohuira, Topolobampo, y Santa María, Sinaloa, México. *Investigaciones Marinas CICIMAR* (La Paz, B.C.S.) [for 1992] 7(2):91–103.
- Balcomb, III, K. C. 1989. Baird's beaked whale *Berardius bairdii* Stejneger, 1883; Arnoux's beaked whale *Berardius arnuxii* Durvenoy, 1851. Pp. 261–288 in S. H. Ridway and R. Harrison (eds.), *Handbook of Marine Mammals*. Volume 4, Academic Press, Londres. 442 pp.
- Ballantine, D. L., A. Bowden-Kerby, and N. E. Aponte. 2000. *Cruoriella* rhodoliths from shallow-water back reef environments in La Parguera, Puerto Rico (Caribbean Sea). *Coral Reefs* 19:75–81.
- Ballesteros, E. 1988. Composición y estructura de los fondos de maerl de Tossa de Mar (Gerona, Espana). *Collectana Botanica* (Barcelona) 17:161–182.
- Balmori-Ramírez, A., J. M. García-Caudillo, D. Aguilar-Ramírez, R. Torres-Jiménez and Miranda-Mier. 2003. Evaluación de dispositivos excluidores de peces en redes de arrastre camaroneras en el Golfo de California, México. SAGARPA/IPN/CRIP-Guaymas/CIMEX. Technical paper. 22 pp.
- Baltosser, W. H. and P. E. Scott. 1996. Costa's Hummingbird: *Calypte Costae*. In A. Poole & F. Gill (Eds.), *The Birds of North America* (Vol. No. 251). Philadelphia, PA: The Birds of North America, Inc.
- Bancroft, G. 1927. Notes on the breeding coastal and insular birds of central Lower California. *Condor* 29:188–195.
- Bancroft, H. H. 1884. *History of California, Vol. 1*. A. L. Bancroft and Co., San Francisco.
- Bancroft, H. H. 1884. *History of North Mexican States, Vol. 1*. A. L. Bancroft and Co., San Francisco.
- Bancroft, H. H. 1884. *History of Northwest Coast, Vol. 1*. A. L. Bancroft and Co., San Francisco.
- Band-Schmidt, C.J., J. Bustillos-Guzmán, I. Gárate-Lizárraga, C. H. Lechuga-Devéze and B. Luckas. 2005. Paralytic shellfish toxin profiles of several strains of the dinoflagellate *Gymnodinium catenatum* (Graham) and Scallops (*Argopecten ventricosus*) from Bahía Concepcion, Gulf of California, México. *Harmful Algae* 4(1):21-31.
- Band-Schmidt, C., J. Bustillos-Guzmán, L. Morquecho, I. Gárate-Lizárraga, R. Alonso-Rodríguez, A. Reyes-Salinas, K. Erler and B. Luckas. 2006. Variations of PSP toxin profiles during different growth phases in *Gymnodinium catenatum* (Dinophyceae) strains isolated from three southern locations in the Gulf of California, Mexico. *J. Phycology* 42:757-768.
- Band-Schmidt, C.J., A. Martínez-López, J. J. Bustillos-Guzmán, L. Carréon-Palau, L. Morquecho, N. O. Olguín-Monroy, T. Zenteno-Savín, A. Mendoza-Flores, B. González-Acosta, F. E. Hernández-Sandoval and C. Tomas. 2012. Morphology, biochemistry and growth of Raphidophyte strains from the Gulf of California. *Hydrobiologia* 693: 81-97
- Banks, R. C. 1962. A history of exploration for vertebrates on Cerralvo Island, Baja California. *Proceedings of the California Academy of Sciences* 30 (6):117–125.
- Banks, R. C. 1962. Birds of the Belvedere expedition to the Gulf of California. *Transactions, San Diego Society of Natural History* 13:51–60.
- Banks, R. C. and W. M. Farmer. 1962. Observations on reptiles of Cerralvo Island, Baja California, Mexico. *Herpetologica* 18: 246-250.

- Barham, E. 1970. Retracing of the Ricketts-Steinbeck voyage, aboard the RV Saluda. San Diego, Naval Ocean Systems Center (NOSC) Technical Publication 27. Available from Public Affairs officer, NOSC, Rosecrans Bldg., San Diego, California 92152.
- Barjau, E., J. Rodríguez-Romero, F. Galván, F. Gutiérrez and J. López. 2012. Estructura temporal y espacial de la comunidad de peces arrecifales de la Isla San José, Golfo de California, México. *Rev. Biol. Trop.* 60(2): 649-667.
- Barlow, G. W. 1961. Intra- and interspecific differences in rate of oxygen consumption in gobiid fishes of the genus *Gillichthys*. *Biological Bulletin* 121 (2):209–229.
- Barlow, J., K. Forney, A. von Saender, and J. Urbán R. 1997. A report of cetacean acoustic detection and dive interval studies (CADDIS) conducted in the southern Gulf of California, 1995. Technical Memorandum NOAA-NMFS-SWFSC-250. 52 pp.
- Barlow, J., M.C. Ferguson, W.F. Perrin, L. Balance, T. Gerrodette, G. Joyce, C.D. Macleod, K. Mullin, D.L. Palka, and G. Waring. 2006. Abundance and densities of beaked and bottlenose whales (family Ziphiidae). *J. Cetacean Res. Manage.* 7 (3):263–270.
- Barlow, J., T. Gerrodette, and G. Silber. 1997. First estimates of vaquita abundance. *Marine Mammal Science* 13:44–58.
- Barnes, L. G. and E. D. Mitchell. 1984. *Kentriodon obscurus* (Kellogg 1931), a fossil dolphin (Mammalia: Kentridontidae) from the Miocene Sharktooth Hill Bonebed in California. *Contributions Science Natural History Museum, Los Angeles County*, 353:1–23.
- Barragán, R. R. M., P. Birkle, M. E. Portugal, G. V. M. Arellano and R. J. Alvarez. 2001. Geochemical survey of medium temperature geothermal resources from the Baja California Peninsula and Sonora, Mexico. *Journal Volcanology & Geothermal Research* 110: 101-119.
- Barrera-Guevara, J. C. 1990. The conservation of *Totoaba macdonaldi* (Gilbert) (Pisces: Sciaenidae) in the Gulf of California, Mexico. *Journal of Fish Biology* 37: 201–202.
- Bartholomew, G. A. and C. L. Hubbs. 1952. Winter population of pinnipeds about Guadalupe, San Benitos, and Cedros Islands, Baja California. *Journal of Mammalogy* 33:160–171.
- Bartholomew, G. A. and C. L. Hubbs. 1960. Population growth and seasonal movements of the northern elephant seal, *Mirounga angustirostris*. *Mammalia* 24:313–324.
- Barrera-Guevara, J. C. 1990. The conservation of *Totoaba macdonaldi* (Gilbert) (Pisces: Sciaenidae) in the Gulf of California. *Mexico Journal of Fish Biology* 37: 201-202.
- Barrett, Ellen C., *Baja California 1535-1956*. Los Angeles: Bennett & Marshall, 1957. A bibliography of historical, geographical, and scientific literature relating to the peninsula.
- Barrett, K., D. A. Wait and W. B. Anderson. 2003. Small island biogeography in the Gulf of California: lizards, the subsidized island biogeography hypothesis, and the small island effect. *Journal of Biogeography* 30: 1575-1581.
- Barrier, E., L. Velasquillo, M. Chavez and R. Gaulon. 1998. Neotectonic evolution of the isthmus of Tehuantepec (southeastern Mexico). *Tectono-Physics* 287: 77-96.
- Barreiro Guémez, Ma. T., C.H Lechuga Devéze y J. Bustillos-Guzmán. 1993. Variabilidad diurna de la producción primaria en la boca de la Ensenada de la Paz, B.C.S. *Hidrobiología* 3(1-2):17-27.
- Barron, J. A., D. Burkry and W. E. Dean. 2005. Paleoceanographic history of the Guaymas Basin, Gulf of California, during the past 15,000 years based on diatoms, silicoflagellates, and biogenic sediments. *Marine Micropaleontology* 56(3-4): 81-102.
- Bastida-Zavala, J. R. and M. García-Madrigal. 2012. First record in the Tropical Eastern Pacific of the exotic species *Ficopomatus uschakovi* (Polychaeta, Serpulidae). *ZooKeys* 238: 45-55.

- Bastida-Zavala, J. R., M. García-Madrugal, E. F. Rosas-Alquicira, R. A. López-Pérez, F. Benítez-Villalobos, J. F. Meraz-Hernando, A. M. Torres-Huerta, A. Montoya-Márquez and N. A. Barrientos-Luján. 2013. Marine and coastal biodiversity of Oaxaca, Mexico. *Check List*: 9(2): 329-390.
- Basurto, X. 2005. How Locally Designed Access and Use Controls Can Prevent the Tragedy of the Commons in a Mexican Small-Scale Fishing Community. *Society & Natural Resources*, 18(7): 643-659.
- Basurto, X. 2006. Commercial diving and the callo de hacha fishery in Seri Territory. *Journal of the Southwest* 48(2): 189-209.
- Basurto, X. 2007. Commercial diving and the callo de hacha fishery in Seri Territory. *Journal of the Southwest* 48 (2):189–209.
- Basurto, X. 2008. Biological and Ecological Mechanisms Supporting Marine Self- Governance: the Seri Callo de Hacha Fishery in México. *Ecology & Society* 13(2): 1-17.
- Basurto, X., E. Blanco, M. Nenadovic and B. Vollan. 2016. Integrating simultaneous prosocial and antisocial behavior into theories of collective action. *Science Advances*, doi: 10.1126/sciadv.1501220
- Basurto, X., A. Cinti, L. Bourillón, M. Rojo, J. torre and A. Hudson Weaver. 2012. The emergence of access controls in small-scale fishing commons: a comparative analysis of individual licenses and common property-rights in two Mexican communities. *Human Ecology* 37(2).
- Basurto, X. and E. Coleman. 2010. Institutional and ecological interplay for successful self-governance of community-based fisheries. *Ecological Economics*, 69(5).
- Baumgartner, T. R. and N. Christensen. 1985. Coupling of the Gulf of California to large-scale interannual climatic variability. *Journal of Marine Research* 43(4): 825-848.
- Baumgartner, T. R., V. Ferreira-Bartrina, H. Schrader, and A. Soutar. 1985. A 20-year varve of siliceous phytoplankton variability in the central Gulf of California. *Marine Geology* 64:113–129.
- Bautista, E., J. L. Carballo, J. A. Cruz-Barraza and H. Nava. 2006. New coral reef boring sponges (Hadromerida, Clionidae) from the Mexican Pacific Ocean. *Journal of the Marine Biological Association of the United Kingdom* 86: 963-970.
- Bautista, E., J. L. Carballo and M. Maldonado. 2010. Reproductive cycle of the coral-excavating sponge *Thoosa mismalolli*, Clionidae) from Mexican Pacific coral reefs. *Invertebrate Biology* 129(4): 285-296.
- Bautista, E., J. L. Carballo and M. Maldonado. 2014. Abundance and reproductive patterns of the excavating sponge *Cliona vermifera*: A threat to Pacific coral reefs? *Coral reefs* 33:259–266.
- Bautista-Romero, J. J., S. S. González-Peláez, E. Morales-Bojórquez, J. A. Hidalgo-de-la-Toba and D. B. Lluch-Cota. Sinusoidal function modeling applied to age validation of geoducks *Panopea generosa* and *Panopea globosa*. *Journal of Shellfish Research* 34(1): 21-29.
- Baynes, T. W. 1999. Factors structuring a subtidal encrusting community in the southern Gulf of California. *Bulletin Marine Science* 64: 49-450.
- Bazzino Ferreri, G. A. 2014. Length-weight relationships and condition factors of the Humboldt squid (*Dosidicus gigas*) from the Gulf of California and the Pacific Ocean. *Journal of Shellfish Research* 33(3): 769-780.
- Beal, C. H. 1948. Reconnaissance of the geology and oil possibilities of Baja California, Mexico. *Geological Society of America, Memoir* 31.

- Beals, R. 1943. *The Aboriginal Culture of the Cahitan Indians*. Ibero-Americana 19. University of California Press, Berkeley, CA.
- Behrenfeld M. J. and P. G. Falkowsky. 1997. Photosynthetic rates derived from satellite-based 418 chlorophyll concentration. *Limnol. Oceanogr.* 42: 1-20.
- Behrens, D. W., and A. Hermosillo. 2005. *Eastern Pacific Nudibranchs. A Guide to the Opisthobranchs from Alaska to Central America*. Sea Challengers, Monterey, CA.
- Beier, E. 1997. A numerical investigation of the annual variability in the Gulf of California. *Journal of Physical Oceanography* 27:615–632.
- Beier, S. and P. Ripa. 1999. Seasonal gyres in the northern Gulf of California. *Journal of Physical Oceanography* 29: 305-311.
- Beldade, R., A. M. Jackson, R. Cudney-Bueno, P. T. Raimondi and G. Bernardi. 2014. Genetic structure among spawning aggregations of the Gulf coney *Hyporthodus acanthistius*. *Marine Ecology Progress Series* 499: 193-201.
- Bell, H. L. and J. T. Columbus. 2008. Proposal for an expanded *Distichlis* (Poaceae, Chloridoideae): support from molecular, morphological, and anatomical characters. *Systematic Botany* 33: 536-551.
- Bell, J. and J. L. Carballo. 2008. Patterns of sponge biodiversity and abundance across different biogeographic regions. *Marine Biology* 155 6: 563-570.
- Bellan-Santini, D. and S. Ruffo. 2003. Biogeography of benthic marine amphipods in Mediterranean Sea. *Biogeographia* 24:273–292.
- Bennett, S. E. K. and M. E. Oskin. 2014. Oblique rifting ruptures continents: example from the Gulf of California shear zone. *Geology* 42(3): 215-218.
- Bennett, S. E. K., M. E. Oskin, R. J. Dorsey, A. Iriondo and M. J. Kunk. 2015. Stratigraphy and structural development of the late Miocene to Pliocene Southwest Isla Tiburón marine basin: implications for opening and flooding of the northern Gulf of California. *Geosphere* 11(4): 1-31.
- Bennett, S. E., M. E. Oskin and A. Iriondo. 2013. Transtensional rifting in the proto-Gulf of California near Bahía Kino, Sonora, Mexico. *GSA Bulletin* 125(11/12): 1752-1782.
- Berdegú, A. J. 1955. La pesquería de la totoaba (*Cynoscion macdonaldi* Gilbert) en San Felipe, Baja California. *Revista de la Sociedad Mexicana de Historia Natural* 16: 45-78.
- Berdegú, A. J. 1956. La foca Fina, el Elefante Marino y la Ballena Gris en Baja California y el Problema de su Conservación. Instituto Mexicano de Recursos Renovables, México, D.F., México.
- Berdegú, A. J. 1956. Peces de Importancia Comercial en la Costa Noroccidental de México. Dirección General de Pesca e Industrias Conexas, Secretaría de Marina, México, D.F. 345 pp.
- Bergman, C. 2002. *Red Delta. Fighting for Life at the End of the Colorado River*. Defenders of Wildlife and Fulcrum Press, Golden, CO.
- Bermingham, E., S. S. McCafferty and A. P. Martin. 1997. Fish biogeography and molecular clocks: perspectives from the Panamanian isthmus. Pp. 113–128 in T. D. Kocher and C. A. Stepien (eds.), *Molecular Systematics of Fishes*. Academic Press, San Diego.
- Bernal, G. R. and J. D. Carriquiry. 2001. Stable isotope paleoenvironmental record of a coral from Cabo Pulmo, entrance to the Gulf of California, Mexico. *Ciencias Marinas* 27: 155-174.
- Bernal, P. A. 1981. A review of the low-frequency response of the pelagic ecosystem in the California Current. *CalCOFI Rep.* 22: 49-62.

- Bernardi, G., L. Findley and A. Rocha-Olivares. 2003. Vicariance and dispersal across Baja California in disjunct marine fish populations. *Evolution* 57 (7):1599–1609.
- Bernardi, G. and J. Lape. 2005. Tempo and mode of speciation in the Baja California disjunct fish species *Anisotremus davidsonii*. *Molecular Ecology* 14:4085–4096.
- Berón-Vera, F. J. and P. Ripa. 2002. Seasonal salinity balance in the Gulf of California. *Journal of Geophysical Research* 107:1–15.
- Berón-Vera, F. J. and P. Ripa. 2000. Three dimensional aspects of the seasonal heat balance in the Gulf of California. *Journal of Geophysical Research* 105: 11,441-11,457.
- Berry, R. W. and J. Ledesma-Vázquez. 1998. Clay and zeolite mineralogy of Miocene and Pliocene (proposed) volcanoclastic deposits, Mulegé, Baja California Sur, Mexico. 11th International Clay Conference, Ontario, Canada.
- Bertsch, H. 2010. *Las conchas azules* (the blue shells): Father Kino, abalones, and the Island of California. *The Nautilus* 124(4): 188-191.
- Bertsch, H. 2010. Biogeography of northeast Pacific opisthobranchs: comparative faunal studies between Point Conception, California, and Punta Aguaja, Piura, Peru. Pp. 219-259 in, L. J. Rangel-Ruiz, J. Gamboa-Águilar, S. L. Arriga-Weiss and W. M. Contreras-Sánchez (eds.), *Perspectivas en Malacología Mexicana*. Universidad Juárez Autónoma de Tabasco, México.
- Bertsch, H. 2011. The missionary explorer-scientist, Father Eusebio Kino, S.J.: faith, maps, sea shells and Mission San Xavier del Bac. *Catholic Southwest. A Journal of History and Culture* 22: 68-85.
- Bertsch, H. 2014. Biodiversity in La Reserva de Bahía de los Ángeles y Canales de Ballenas y Salsipuedes: naming of a new genus, range extensions and new records, and species list of Heterobranchia (Mollusca: Gastropoda), with comments on biodiversity conservation within marine reserves. *The Festivus* 46(5): 158-177.
- Bertsch, H. and C. Moser Marlett. 2011. The Seris, the sun and slugs: cultural and natural history of *Berthellina ilisima* and other opisthobranchia in the central Sea of Cortez. *Thalassas* 27(2): 9-21.
- Bertsch, H., A. Valdés and T. M. Gosliner. 2009. A new species of tritoniid nudibranch, the first found feeding on a zoanthids anthozoan, with a preliminary phylogeny of the Tritoniidae. *Proceedings of the California Academy of Sciences* (4)60(12): 431-446.
- Betancourt, J. L., Van Devender, T. R. and P. S. Martin (eds.). 1990. *Packrat Middens: the Last 40,000 Years of Biotic Change*. University of Arizona Press, Tucson, AZ.
- Bull, W. B. 1974. Playa processes in the volcanic craters of the Sierra Pinacate, Sonora, Mexico. *Z. Geomorph.* 20 (Suppl.): 117-129.
- Bérubé, M., J. Urbán R., A. Dizon, R. L. Brownell, and P. J. Palsbøll. 2002. Genetic identification of a small and highly isolated population of fin whales (*Balaenoptera physalus*) in the Sea of Cortez, Mexico. *Conservation Genetics* 3:183–190.
- Beveridge, C., G. Kocurek, R. C. Ewing, N. Lancaster, P. Morthekai, A. K. Singhvi, and S. A. Mahan. 2006. Development of spatially diverse and complex dune-field patterns: Gran Desierto Dune Field, Sonora, Mexico. *Sedimentology* 53:1391–1409.
- Bialas, R. W. and W. R. Buck. 2009. How sediment promotes narrow rifting: application to the Gulf of California. *Tectonics* 28, doi: 10.1029/2008TC002394.
- Bigioggero, B., G. Capaldi, S. Chiesa, A. Montrasio, L. Vezzoli and A. Zanchi. 1988. Post-subduction magmatism in the Gulf of California: The Isla Coronado (Baja California Sur, Mexico). *Instituto Lombardo (Rendiconti Scienze)* 121: 117-132.

- Bigioggero, B., S. Chiesa, A. Zanchi, A. Montrasio and L. Vezzoli. 1995. The Cerro Mencionares volcanic center, Baja California Sur: Source and tectonic control on postsubduction magmatism within the gulf rift. *Geological Society of America Bulletin* 107: 1108-1122.
- Bilodeau, W. L. 1982. Basin configuration as a control on the geometry of Laramide deformation in SE Arizona, SW New Mexico, and NE Mexico. *Geological Society of America, Abstracts with Programs*, 14(4): 149-150.
- Bird, K. and W. J. Nichols. 2002. Community-based research and its application to sea turtle conservation in Bahía Magdalena, Baja California Sur, Mexico. Pp. 339–340 in A. Mosier, A. Foley, and B. Brost (comps.). *Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation*. NOAA Tech. Memo. NMFS-SEFSC-477.
- Birkett, D., C. Maggs, and M. Dring. 1998. *Maerl (Vol. V). An Overview of Dynamic and Sensitivity Characteristics for Conservation Management of Marine SACs*. Scottish Association for Marine Science (UK Marine SACs Project).
- Bischoff, J. L. and J. W. Niemitz. 1980. Bathymetric Maps of the Gulf of California. U.S. Geological Survey, Misc. Investigations Ser., Map I-11244. U.S. Geol. Surv., Washington, D.C.
- Bizzarro, J. J., W. D. Smith, J. F. Márquez-Farías and R. E. Hueter. 2007. Artisanal fisheries and reproductive biology of the golden cownose ray, *Rhinoptera steindachneri* Evermann and Jenkins, 1891, in the northern Mexican Pacific. *Fisheires Reserch* 84: 137-146.
- Bizzarro, J. J., W. D. Smith, J. F. Márquez-Farías, J. Tyminski and R. E. Hueter. 2009. Temporal variation in the artisanal elasmobranch fishery of Sonora, Mexico. *Fisheries Research* 97: 103-117.
- Bjorndal, K. A. 1997. Foraging ecology and nutrition of sea turtles. Pp. 199–232 in P. L. Lutz and J. A. Musick (eds.), *The Biology of Sea Turtles*. CRC Press, Boca Raton, Florida.
- Bjorndal, K. A. and J. B. C. Jackson. 2003. Roles of sea turtles in marine ecosystems: reconstructing the past. Pp. 259–273 in P. L. Lutz, J. A. Musick, and J. A. Wyneken (eds.), *The Biology of Sea Turtles. Volume II*. CRC Marine Biology Series, CRC Press, Boca Raton.
- Blair, W. N., J. P. Bradbury and R. L. Oscarson. 1979. Upper Miocene Hualapai limestone member from the proto-Gulf of California at Lake Mead, Arizona. Pp. 285-292 in, G. W. Newman and H. D. Goode (eds.), *Basin and Range Symposium and Great Basin Field Conference*. Rocky Mountain Association of Geologists.
- Blinick, N. S. and A. B. Fleishman. 2013. Diurnal predation by a coyote (*Canis latrans jamesi*) on an adult blue-footed booby (*Sula nebouxii*) on Isla Tiburón, Gulf of California, Mexico. *Southwestern Naturalist* 58(3): 368-370.
- Blake, E. R. 1953. *Birds of Mexico: A Guide for Field Identification*. University of Chicago Press, Chicago.
- Blake, J. C. 1996. *The Friends of Pancho Villa*. Penguin.
- Blake, W. P. 1854. Ancient lake in the Colorado Desert. *Amer. J. Sci.* 17: 435-438.
- Blake, W. P. 1907. Lake Cahuilla. *National Geographic Magazine* 18: 830.
- Blake, W. P. 1914. The Cahuilla Basin and desert of the Colorado. Pp. 1-12 in, D. T. MacDougal, *The Salton Sea*. Carnegie Institute of Washington, Publ. No. 193.
- Blair, W. N. 1978. Gulf of California in Lake Mead area of Arizona and Nevada during late Miocene time. *American Association of Petroleum Geologists Bulletin*, 62: 1159-1170.

- Blair, C., F. R. Méndez de la Cruz, A. Ngo, J. Lindell, A. Lathrop and R. W. Murphy. 2009. Molecular phylogenetics and taxonomy of leaf-toed geckos (Phyllodactylidae: *Phyllodactylus*) inhabiting the peninsula of Baja California. *Zootaxa* 2012: 28-42.
- Blunden, G., W. Farnham, N. Jephson, C. Barwell, R. Fenn, and B. Plunkett. 1981. The composition of maerl beds of economic interest in Northern Brittany, Cornwall and Ireland. *International Seaweed Symposium* 10:651–656.
- Blunden, G., W. Farnham, N. Jephson, R. Fenn, and B. Plunkett. 1977. The composition of maerl from the Glenan Islands of Southern Brittany. *Botanica Marina* 20:121–125.
- Bogan, M. T. 1999. Family Vespertilionidae. Pp. 139–181 in S. Álvarez-Castañeda, and J. Patton (eds.), *Mamíferos del noroeste de México*. La Paz, Baja California Sur, México: Centro de Investigaciones Biológicas del Noroeste, S.C.
- Bogan, M. T., L. T. Findley and E. F. Endersen. 2009. Geographic distribution: *Tantilla yaquia* (Yaqui black-headed snake). *Herpetological Review* 40(4): 458.
- Bogan, M. T. And D. A. Lytle. 2007. Seasonal flow variation allows “time-sharing” by disparate aquatic insect communities in montane desert streams. *Freshwater Biology* 52: 290-304.
- Bogan, M. T. And D. A. Lytle. 2011. Severe drought drives novel community trajectories in desert stream pools. *Freshwater Biology* 56: 2070-2081.
- Bogan, M. T., N. Noriega-Felix, S. L. Vidal-Aguilar, L. T. Findley, D. A. Lytle, O. G. Gutiérrez-Ruacho, J. A. Alvarado-Castro and A. Varela-Romero. 2014. Biogeography and conservation of aquatic fauna in spring-fed tropical canyons of the southern Sonoran Desert, Mexico. *Biodiversity Conservation* 23: 2705-2748.
- Bohannon, R. G. and T. Parsons. 1995. Tectonic implications of post-30 Ma Pacific and North American relative plate motions. *Geological Society of America, Bulletin* 107:937–959.
- Bold, H. C. and M. J. Wynne. 1985. *Introduction to the Algae: Structure and Reproduction*. Prentice-Hall, Englewood Cliffs, New Jersey.
- Bolton, H. E. 1936. *The Rim of Christendom*. Macmillan, New York.
- Bolton, H.E. 1948. *Kino's Historical Memoir of Pimería Alta*. University of California Press, Berkeley.
- Bolton, H. E. 1949. *Coronado: Knight of Pueblos and Plains*. The University of New Mexico Press, Albuquerque.
- Bolton, H. E. 1959. *Spanish Explorations in the Southwest 1542-1706*. Barnes & Noble, New York.
- Bonilla, H. R. 2001. Effects of the 1997-1998 El Niño-southern oscillation on coral communities of the Gulf of California, Mexico. *Bulletin of Marine science* 69(1): 251-266.
- Boorstin, D. J. 1985. *The Discoverers*. Random House, New York, NY.
- Bordehore, C., A. A. Ramos-Esplá, and R. Riosmena-Rodríguez. 2003. Comparative study of two maerl beds with different otter trawling history, southeast Iberian Peninsula. *Aquatic Conservation Marine Freshwater Ecosystems* 13:S43-S54.
- Bordehore, C., R. Riosmena-Rodríguez, and A. A. Ramos-Esplá. 2002. Maerl-forming species in Alicante province (SE Spain): taxonomic analysis. *Proceedings of the first Mediterranean Symposium on Marine Vegetation UNEP MAP RAC/SPA Mednature* 1:101–104.
- Bordoni, S. and B. Stevens. 2006. Principal component analysis of the summertime winds over the Gulf of California: A Gulf Surge index. *Monthly Weather Review* 134: 3395-3314.
- Bosence, D. W. J. 1976. Ecological studies on two unattached coralline algae from western Ireland. *Palaeontology* 19:365–395.

- Bosence, D. W. J. 1979. Live and dead faunas from coralline algal gravels, Co. Galway. *Palaeontology* 22:449–478.
- Bosence, D. W. J. 1983. The occurrence and ecology of recent rhodoliths—a review. Pp. 225–242 in T. M. Peryt (ed.) *Coated Grains*. Springer-Verlag, Berlin.
- Bosence, D. and J. Wilson. 2003. Maerl growth, carbonate production rates and accumulation rates in the northeast Atlantic. *Aquatic Conservation Marine Freshwater Ecosystems* 13:S21-S31.
- Bossellini, A. and R. N. Ginsburg. 1971. Form and internal structure of recent algal nodules (rhodolites) from Bermuda. *Journal of Geology* 79:669–682.
- Boswall, J. and M. Barrett. 1978. Notes on the breeding birds of Isla Rasa, Baja California. *Western Birds* 9:93–108.
- Bouchard, S. S. and K. A. Bjorndal. 2000. Sea turtles as biological transporters of nutrients and energy from marine to terrestrial ecosystems. *Ecology* 81:2305–2313.
- Bourillón, L., A. Cantú, F. Eccardi, E. Lira, J. Ramírez, E. Velarde, and A. Zavala. 1988. *Islas del Golfo de California*. Secretaría de Gobernación–Universidad Nacional Autónoma de México, México, D.F. 292 pp.
- Bowen, B. W., F. A. Abreu Grobois, G. H. Balazs, N. Kamezaki, C. J. Limpus, and R. J. Ferl. 1995. Trans-Pacific migrations of the loggerhead sea turtle demonstrated with mitochondrial DNA markers. *Proceedings of the National Academy of Sciences* 92:3731–3734.
- Bowen, B. W., W. S. Nelson, and J. C. Avise. 1993. A molecular phylogeny for marine turtles: trait mapping, rate assessment, and conservation relevance. *Proceedings of the National Academy of Sciences*. 90:5574–5577.
- Bowen, T. 1976. *Seri Prehistory: The Archaeology of the Central Coast of Sonora, Mexico*. Anthropological Papers No. 27. University of Arizona Press, Tucson, AZ.
- Bowen, T. 1983. Seri. Pp. 230-249 in, A. Ortiz (ed.), *Handbook of North American Indians*. Smithsonian Institution, Washington, D.C.
- Bowen, T. 2000. *Unknown Island. Seri Indians, Europeans, and San Esteban Island in the Gulf of California*. University of New Mexico Press, Albuquerque.
- Bowen, T. (ed.). 2002. *Backcountry Pilot: Flying Adventures with Ike Russell*. University of Arizona Press, Tucson, AZ.
- Bowen, T. 2004. Archaeology, biology and conservation on islands in the Gulf of California. *Environmental Conservation* 31: 199-206.
- Bowen, T. 2005. A historic Seri site on Isla San Lorenzo. *Kiva* 70(4): 399-412.
- Bowen, T. 2006. Recursos culturales de la region de las Grandes Islas en el Golfo de California. *Gaceta Ecológica (Instituto Nacional de Ecología)* 81: 19-29.
- Bowen, T. 2008. Bad day at Black Rock. *New Mexico Historical Review* 83(4): 451-474.
- Bowen, T. 2009. Archaeology of the islands in the San Lorenzo chain, Gulf of California, Mexico. *Proceedings, Society of California Archaeology* 21: 242-248.
- Bowen, T. 2009. *The record of Native People on Gulf of California Islands*. Arizona State Museum Archaeological Series No. 201, 101 pp.
- Bowen, T. 2010. Edward Abbey's bottle: an essay on trash and treasure. *New Mexico Historical Review* 85(3): 281-293.
- Bowen, T., G. D. Danemann and C. S. Espinoza. 2014. Managing the not-quite-historical resources of Isla Angel de la Guarda in the Gulf of California, Mexico. *New Mexico Historical Review* 89(2): 209-237.

- Bowen, T., R. S. Felger and R. J. Hills. 2004. Chollas, circles and Seris: did Seri Indians plant cactus at Circle 6? *Desert Plants* 20: 26-35.
- Bowen, T., E. Velarde, D. W. Anderson and S. A. Marlett. 2015. Federico Craveri and changes in nesting seabirds on Isla Rasa, Gulf of California, since 1856. *The Southwestern Naturalist* 60(1): 1-5.
- Bowen, T. and E. W. Moser. 1968. Seri pottery. *The Kiva* 34: 89-132.
- Bowen, T. and E. W. Moser. 1970. Material and functional aspects of Seri instrumental music.. *The Kiva* 35: 178-200.
- Bracken, M. E. S. 2004. Invertebrate-mediated nutrient loading increases growth of an intertidal macroalga. *Journal of Phycology* 40:1032–1041.
- Braniff, B. and R. S. Felger (eds). 1976. *Sonora, Antropología del Desierto*. Colección Científica Diversa 27. Instituto Nacional de Antropología e Historia. Mexico City. 592 pp. (Reprinted 1994, Centro INAH Sonora, Hermosillo, Mexico.)
- Bray, N. A. 1988. Thermohaline circulation in the Gulf of California. *Journal of Geophysical Research* 93:4993–5020.
- Bray, N. A. 1988. Water mass formation in the Gulf of California. *Journal Geophysical Research* 93(C8): 9223-9240.
- Bray, N. A. 2012. Thermohaline circulation in the Gulf of California. *Journal Geophysical Research: Oceans* 93: 4993-5020.
- Bray, N. A. and J. M. Robles. 1991. Physical oceanography of the Gulf of California. Pp. 511–553 in J. P. Dauphin and B. R. T. Simoneit (eds.), *The Gulf and Peninsular Province of the Californias*. American Association Petroleum Geologists, Memoir 47.
- Breceda, A., A. Castellanos, L. Arriaga, and A. Ortega. 1995. Nature conservation in Baja California Sur Mexico. *Protected Natural Areas Journal* 15 (3):267–273.
- Breese, D. and B. R. Tershy. 1993. Relative abundance of cetaceans in the Canal de Ballenas, Gulf of California. *Marine Mammal Science* 9:319–324.
- Brewer, G. D. 1973. Midwater fishes from the Gulf of California and the adjacent eastern tropical Pacific. *Los Angeles County Museum Contributions in Science* 242:1–47.
- Briand, X. 1991. Seaweed harvesting in Europe. Pp. 293–308 in M. Guiry and G. Blunden (eds.), *Seaweed Resources in Europe: Uses and Potential*. John Wiley, London.
- Briggs, J. C. 1951. A review of the clingfishes (Gobiesocidae) of the eastern Pacific, with descriptions of new species. *Proceedings of the California Zoological Club* 1 (11):57–108.
- Briggs, J. C. 1955. A monograph of the clingfishes (Order Xenopterygii). *Stanford Ichthyological Bulletin* 6:1–224.
- Briggs, J. C. 1960. Fishes of worldwide (circumtropical) distribution. *Copeia* 1960 (3):171–180.
- Briggs, J. C. 1961. The East Pacific barrier and the distribution of marine shore fishes. *Evolution* 15:545–554.
- Briggs, M. K. and S. Cornelius. 1998. Opportunities for ecological improvement along the lower Colorado River and delta. *Wetlands* 18(4): 513-529.
- Brinton, E., A. Fleminger, and D. C. Siegel-Causey. 1986. The temperate planktonic biotas of the Gulf of California. *CalCOFI Reports* 27:228–266.
- Brito-Castillo, L., E. Alcántara-Razo, R. Morales-Azpeitia and C. A. Salinas-Zavala. 2000. Water temperatures in the Gulf of California in May and June 1996 and their relation to the capture of giant squid (*Dosidicus gigas* D'orbigny, 1835). *Ciencias Marinas* 26(3): 413-440.

- Brito-Castillo, L., A. V. Douglas, A. Leyva-Contreras and D. Lluch-Belda. 2003. The effect of large-scale circulation on precipitation and stream flow in the Gulf of California watershed. *International Journal of Climatology* 23: 751-768.
- Brittan, M. R. 1997. The Stanford school of ichthyology: eighty years (1891–1970) from Jordan (1851–1933) to Myers (1905–1985). Pp. 233–263 in T. W. Pietsch, and W. D. Anderson, Jr. (eds.), *Collection Building in Ichthyology and Herpetology*. American Society of Ichthyologists and Herpetologists Special Publication 3, Lawrence, Kansas. xiii + 593 pp.
- Brogan, M. W. 1994. Distribution and retention of larval fishes near reefs in the Gulf of California. *Marine Ecology Progress Series* 115:1–13.
- Brogan, M. W. 1996. Larvae of the eastern Pacific snapper *Hoplopagrus guntheri* (Teleostei: Lutjanidae). *Bulletin of Marine Science* 58 (2):329–343.
- Brown, A. K. 2011. *With Anza to California, 1775-1776: The Journal of Pedro Font, O.F.M.* Arthur H. Clark Co., Norman, OK
- Brown, D. E. (ed.). 1982. *Biotic Communities of the American Southwest, United States and Mexico*. *Desert Plants* 4: 1-342.
- Brown, D. E., P. M. Webb and N. B. Carmony (eds.). 1979. *The Wilderness of Desert Bighorns & Seri Indians*. The Arizona Desert Bighorn Sheep Society, Inc. Phoenix, AZ.
- Brownell, R. L., Jr. 1982. Status of the cochito, *Phocoena sinus* in the Gulf of California. *Mammals in the Seas: Small Cetaceans, Seals, Sirenians and Otters*. FAO Fisheries Series 5(4): 85-90.
- Brownell, R. L., Jr. 1983. *Phocoena sinus*. *Mammalian Species* 198: 1-3.
- Broyles, B. and M. P. Berman 2006. *Sunshot. Peril and Wonder in the Gran Desierto*. University of Arizona Press, Tucson, AZ.
- Broyles, B. and D. E. Boyer. 2011. *Field Man. Life as a Desert Archaeologist. Julian D. Hayden*. Univ. Arizona Press, Tucson, AZ.
- Broyles, B., G. H. Hartmann, T. E. Sheridan, G. P. Nabhan and M. C. Thurtle. 2012. *Last Water on the Devil's Highway. A Cultural and Natural History of Tinaja Altas*. University of Arizona Press, Tucson, AZ.
- Brusca, R. C. 1980. *Common Intertidal Invertebrates of the Gulf of California, 2nd ed.* University of Arizona Press, Tucson, Arizona [1st ed., 1975]. 513 pp.
- Brusca, R. C. 1981. A monograph on the Isopoda Cymothoidae (Crustacea) of the Eastern Pacific. *Zoological Journal Linnean Society (London)* 73 (2):117–199.
- Brusca, R. C. 1983. Two new idoteid isopods from Baja California and the Gulf of California (Mexico) and an analysis of the evolutionary history the genus *Colidotea* (Crustacea: Isopoda: Idoteidae). *Transactions San Diego Society Natural History*. 20(4): 69–79.
- Brusca, R. C. 1984. Phylogeny, evolution and biogeography of the marine isopod subfamily Idoteinae (Crustacea: Isopoda: Idoteidae). *Transactions San Diego Society Natural History* 20(7): 99–134.
- Brusca, R. C. 1991. The genus *Rocinela* (Crustacea: Isopoda: Aegidae) in the tropical eastern Pacific. *Zoological Journal of the Linnean Society (London)* 106:231–275.
- Brusca, R. C. 1993. The Arizona/Sea of Cortez years of J. Laurens Barnard. *Journal Natural History* 27:727–730.
- Brusca, R. C. 2000. Unraveling the history of arthropod biodiversification. *Annals Missouri Botanical Garden* 87: 13–25.
- Brusca, R. C. 2002. On the Vermilion Sea. *Sonorensis*, Winter 2002. Arizona-Sonora Desert Museum, Tucson, Arizona. Pp. 2–9.

- Brusca, R. C. 2004. The Gulf of California – an Overview. Pp. 1-8, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R.C. 2004. A History of Discovery in the Northern Gulf of California. Pp. 9-24, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ. [Updated version online at http://rickbrusca.com/http___www.rickbrusca.com_index.html/Papers.html]
- Brusca, R.C. 2004. A Brief History of Sonora. Pp. 25-34, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ. [Updated version online at http://rickbrusca.com/http___www.rickbrusca.com_index.html/Papers.html]
- Brusca, R.C. 2004. Fishes [of the Northern Gulf of California]. Pp. 109-115, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C. 2005. Where the Desert Meets the Sea. Pp. 20–24 in C. Conte (ed.), *Conservation Without Borders. Sonorensis*, Winter 2005. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C. 2007. Father Eusebio Kino, the Baja California Peninsula, and the Sea of Cortez. *Sonorensis*, Winter 2007:6–13. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C. 2007. Harvesting the Sea of Cortez: from Kino’s era to modern times. *Sonorensis*, Winter 2007:42–47. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C. 2007. Invertebrate Biodiversity in the Northern Gulf of California. Pp. 418–504 in R. S. Felger and W. Broyles (eds.), *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake City.
- Brusca, R. C. 2009. Seafood and the Sea of Cortez. An Ecological Bouillabaisse. Pp. 20-29 in, C. Conte (ed.), *Desert Bounty, Sonorensis*, Winter 2009, Arizona-Sonora Desert Museum.
- Brusca, R. C (ed.). 2010. *The Gulf of California: Biodiversity and Conservation*. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press. 336 pp.
- Brusca, R. C. 2010. Introduction. Pp. 1-5 in, Brusca, R. C., *The Gulf of California: Biodiversity and Conservation*. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press. 336 pp.
- Brusca, R. C. and G. J. Brusca. 2002. *Invertebrates, 2nd ed.* Sinauer Associates, Sunderland, MA. 936 pp. (Spanish ed., *Invertebrados*; 2005, McGraw-Hill/Interamericana de España, S.A.U., Madrid. 1005 pp.)
- Brusca, R. C. and G. C. Bryner. 2004. A case study of two Mexican biosphere reserves: The Upper Gulf of California/Colorado River Delta and Pinacate/Gran Desierto de Altar Biosphere Reserves. Pp. 21–52 in N. E. Harrison and G. C. Bryner (eds.), *Science and Politics in the International Environment*. Rowman and Littlefield, New York.
- Brusca, R. C. and L. T. Findley. 2005. The Sea of Cortez [El Mar de Cortés]. Pp. 1–24 in M. E. Hendrickx, R. C. Brusca, and L. T. Findley (eds.), *A distributional checklist of the macrofauna of the Gulf of California, Mexico. Part I. Invertebrates*. [Listado y distribución de la macrofauna del Golfo de California, México, Parte I. Invertebrados]. Arizona-Sonora Desert Museum and Conservation International. xi + 429 pp.
- Brusca, R.C., L.T. Findley and E. Kimrey. 2004. Marine Reptiles [of the Northern Gulf of California]. Pp. 127-128, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.

- Brusca, R.C., L.T. Findley and E. Kimrey. 2004. Marine Mammals [of the Northern Gulf of California]. Pp. 129-132, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C., L. T. Findley, P. A. Hastings, M. E. Hendrickx, J. Torre Cosio, and A. M. van der Heiden. 2005. Macrofaunal Biodiversity in the Gulf of California. Pp. 179–203 in J.-L. E. Cartron, G. Ceballos, and R. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Brusca, R. C. and M. R. Gilligan. 1983. Tongue replacement in a marine fish (*Lutjanus guttatus*) by a parasitic isopod (Crustacea: Isopoda). *Copeia* 3:813–816.
- Brusca, R. C. and M. E. Hendrickx (eds.). 1992. *Benthic Macro-Crustaceans of the Eastern Tropical Pacific*. San Diego Natural History Museum and Universidad Nacional Autónoma de México. 134 pp.
- Brusca, R. C. and M. E. Hendrickx. 2008. The Gulf of California Invertebrate Database: The Invertebrate Portion of the *Macrofauna Golfo* Database. www.desertmuseum.org/center/seaofcortez/database.php.
- Brusca, R. C. and M. E. Hendrickx. 2010. Invertebrate Biodiversity and Conservation in the Gulf of California. Pp. 72-95 in, R. C. Brusca (ed), *The Gulf of California: Biodiversity and Conservation*. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press.
- Brusca, R. C. and M. Hendrickx. Macrofauna Golfo Database. <http://www.desertmuseum.org/center/seaofcortez/database.php>.
- Brusca, R. C., E. Kimrey, and W. Moore. 2004. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ. 203 pp.
- Brusca, R.C., E. Mellink and E. Kimrey. 2004. Coastal Birds [of the Northern Gulf of California]. Pp. 117-126, in R.C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
- Brusca, R. C. and D. A. Thomson. 1977. The Pulmo Reefs of Baja California—true coral reef formation in the Gulf of California. *Ciencias Marinas* 1(3): 37–53.
- Brusca, R. C. and B. R. Wallerstein. 1979. Zoogeographic patterns of idoteid isopods in the northeast Pacific, with a review of shallow-water zoogeography for the region. *Bulletin Biological Society Washington* 3: 67–105.
- Brusca, R. C. and B. R. Wallerstein. 1979. The marine isopod crustaceans of the Gulf of California. II. Idoteidae. New genus, new species, new records, and comments on the morphology, taxonomy and evolution within the family. *Proceedings Biological Society Washington* 92(2): 253–271.
- Brusca, R. C., R. Wetzler, and S. France. 1995. Cirolanidae (Crustacea; Isopoda; Flabellifera) of the tropical eastern Pacific. *Proceedings San Diego Society Natural History*, No. 30. 96 pp.
- Bryson, R. W., J. R. Jaeger, J. A. Lemos-Espinal and D. Lazcano. 2012. A multilocus perspective on the speciation history of a North American aridland toad (*Anaxyrus punctatus*). *Molecular Phylogenetics and Evolution* 64: 393-400.
- Bryson, R. W., J.B. R. Riddle, M. R. Graham, B. T. Smith and L. Prendini. 2013. As old as the hills: montane scorpions in southwestern North America reveal ancient associations between biotic diversification and landscape history. *PLoS ONE* 8: e52822.
- Bryson, R. W., W. E. Savary and L. Prendini. 2013. Biogeography of scorpions in the *Pseudouroctonus minimus* complex (Vaejovidae) from south-western North America:

- implications of ecological specialization for pre-Quaternary diversification. *Journal of Biogeography* 40: 1850-1860.
- Bueno, N. and X. Basurto. 2009. Resilience and collapse of artisanal fisheries: a system dynamics analysis of a shellfish fishery in the Gulf of California, Mexico. *Sustainability Science* 4: 139-149.
- Buising, A. V. 1990. The Bouse Formation and bracketing units, southeastern California and western Arizona: implications for the evolution of the proto-Gulf of California and the lower Colorado River. *Journal Geophysical Research* 95 (B12): 20.111-20.132.
- Bull, W. B. 1974. Playa processes in the volcanic craters of the Sierra Pinacate, Sonora, Mexico. *Z. Geomorph.* 20 (Suppl): 117-129.
- Burckhalter, D. 1999. *Among Turtle Hunters and Basket Makers. Adventures with the Seri Indians*. Treasure Chest Books, Tucson, AZ.
- Burckhalter, D. 2013. *Baja California Missions*. University of Arizona Press, Tucson, AZ.
- Burckhalter, D. 1976. *The Seris*. University of Arizona Press, Tucson, AZ.
- Burrus, E. J. 1965. *Kino and the Cartography of Northwestern New Spain*. Arizona Pioneers' Historical Society, Tucson, AZ.
- Burrus, E. J. 1971. *Kino and Manje: Explorers of Sonora and Arizona*. Rome: Jesuit Historical Institute.
- Bussing, W. A. and R. J. Lavenberg. 2003. Four new species of eastern tropical Pacific jawfishes (*Opistognathus*: Opistognathidae). *Revista Biología Tropical* 51:529–550.
- Bustillos Guzmán, J. 1986. Fitoplancton en tres ecosistemas de manglar de la Bahía de La Paz, B.C.S., México. B.C.S., México. I. Diatomeas. *Anales del Instituto de Ciencias del Mar y Limnología UNAM*, 13(3):301-306.
- Bustillos-Guzmán, J. J., C. J. Band-Schmidt, D. J. López-Cortés, I. Garate-Lizárraga, E. Nuñez-Vázquez and F. E. Hernández-Sandoval. 2012. Variation in growth and toxicity in *Gymnodinium catenatum* from the Gulf of California under different ratios of nitrogen and phosphorus. *Ciencias Marinas* 38 (IA): 101-117.
- Bustillos-Guzmán, J., I. Gárate-Lizárraga, D. López-Cortés and F. Hernández-Sandoval. 2004. The use of pigment “fingerprints” in the study of harmful algal blooms. *Revista de Biología Tropical* 52:17-26.
- Bustillos-Guzmán, J., D. J. López Cortés, F. Hernández y I. Murillo. 2000. Pigment signature associated with an anoxic coastal zone Bahía Concepción, Gulf of California. *Journal of Exp. Mar. Biol. and Ecol.* 249: 77-88.
- Bustillos Guzmán, J. y E. Olivares González. 1986. Fitoplancton en tres ecosistemas de manglar de la Bahía de La Paz B.C.S., México. II. Producción primaria Bruta, neta y respiración. *Anales del Instituto de Ciencias del Mar y Limnología UNAM* 13(3):307-312.
- Bustillos-Guzman, J., P. Vale and C. Band-Schmidt. 2011. Presence of benzoate-type toxins in *Gymnodinium catenatum* Graham isolated from the Mexican Pacific. *Toxicon* 57:922-926
- Cabioch, J. 1969. Les fonds de maerl de la Baie de Morlaix et leur peuplement vegetal. *Cahiers de Biologie Marine* 9:131–169.
- Cabioch, J., Floch J. Y., Toquin A. L., Boudouresque C. F., Meinesz, and Verlaque M. 1992. *Guía de las Algas de los Mares de Europa: Atlantico y Mediterraneo*. Omega, España. 249 pp.
- Cabral-Tena, R. A., H. Reyes-Bonilla, S. Lluch-Cota, D. A. Paz-García, L. E. Calderón-Aguilera, O. Norzagaray-López and e. F. Balart. 2013. Different calcification rates in males

- and females of the coral *Porites panamensis* in the Gulf of California. *Marine Ecology Progres Series* 476: 1-8.
- Calambokidis, J., G. H. Steiger, J. M. Straley, L. M. Herman, S. Cerchio, D. R. Salden, J. Urbán R., J. K. Jacobsen, O. von Ziegesar, K. C. Balcomb, C. M. Gabriele, M. E. Dahlheim, S. Uchida, G. Ellis, Y. Miyamura, P. Ladron de Guevara P., M. Yamaguchi, F. Sato, S. A. Mizroch, L. Schlender, K. Rasmussen, J. Barlow, and T. J. Quinn II. 2001. Movements and population structure of humpback whales in the North Pacific. *Marine Mammal Science* 17 (4):769–794.
- Calderón-Aguilera, L. E. y J. C. Burgueño. Análisis y evaluación de la situación actual de la pesquería de camarón (*Penaeus* sp.) en el Golfo de California. *Comunicaciones Académicas. Serie Ecología. CICESE CIECT9301. XX pp.* 1993.
- Calderón-Aguilera, L. E., and K. W. Flessa. 2009. Just add water? Transboundary Colorado River flow and ecosystem services in the upper Gulf of California. Pp. 155—169 in, L. López-Hoffman, E. D. McGovern, R. G. Varady and K. W. Flessa, *Conservation of Shared Environments. Learning from the United States and Mexico.* University of Arizona Press, Tucson, AZ.
- Calderón-Aguilera, L. E., S. G. Marinone, and E. A. Aragón-Noriega. 2003. Influence of oceanographic processes on the early life stages of the blue shrimp (*Litopenaeus stylirostris*) in the Upper Gulf of California. *Journal of Marine systems* 39:117–128.
- Calderón-Aguilera, L. E., H. Reyes-Bonilla and J. D. Carriquiry. XXXX. El papel de los arrecifes coralinos en el flujo de carbon en el océano: estudios en el Pacífico Mexicano. BOOK CHAPTER CITATION.
- Caldwell, D. K. 1962. Sea turtles in Baja California waters (with special reference to those of the Gulf of California), and the description of a new subspecies of north-eastern Pacific green turtle. *Los Angeles County Museum Contributions in Science.* 61:1–31.
- Caldwell, D. K. 1963. The sea turtle fishery of Baja California, Mexico. *California Fish and Game* 49:140–151.
- Caldwell, D. K. and M. C. Caldwell. 1962. The black ‘steer’ of the Gulf of California. *Los Angeles County Museum of Science and History Quarterly* 1:1962.
- Caldwell, D. K. and M. C. Caldwell. 1989. Pygmy sperm whale, *Kogia breviceps* (de Blainville, 1838). Dwarf sperm whale, *Kogia simus* Owen, 1866. Pp. 235–260 in S. H. Ridgway, and R. J. Harrison (eds.), *Handbook of Marine Mammals, Vol. 4: River Dolphins and the Larger Toothed Whales.* Academic Press, London, England.
- Calvert, S. E. 1966. Accumulation of diatomaceous silica in the sediments of the Gulf of California. *Geological Society of America Bulletin* 77: 569–596.
- Campos-Dávila, L., V. H. Cruz-Escalona, F. Galván-Magaña, A. Abitia-Cárdenas, F. J. Gutiérrez-Sánchez, and E. F. Balart. 2005. Fish assemblages in a Gulf of California marine reserve. *Bulletin of Marine Science* 77 (3): 347–362.
- Campos, E., V. A. Peláz-Zárate and F. A. Solís-Marín. 2012. Rediscovery, hosts and systematics of *Holothuriophilus trapeziformis* Nauck, 1880 (Crustacea, Brachyura, Pinnotheridae). *Zootaxa* 3528: 57-62.
- Campoy, J. R. and M. J. Román-Rodríguez. 2002. Observaciones sobre la biología y pesquería de la curvina golfinia (*Cynoscion othonopterus*) en la reserva de la Biosfera Alto Golfo de California y Delta del Río Colorado. Documento de Trabajo, INE IMADES, 1-13.
- Canet, C., R. M. Prol-Ledesma, J. A. Proenza, M. A. Rubio-Ramos, M. J. Forrest, M. A. Torres-Vera and A. A. Rodriguez-Diaz. 2005. Mn-Ba-Hg mineralization at shallow submarine

- hydrothermal vents in Bahía Concepción, Baja California Sur, Mexico. *Chemical Geology* 224: 96-112.
- Canet, C., R. M. Prol-Ledesma, I. Torres-Alvarado, H. A. Gilg, R. E. Villanueva and R. Lozano-Santa Cruz. 2005. Silica-carbonate stromatolites related to coastal hydrothermal venting in Bahía Concepción, Baja California Sur, Mexico. *Sedimentary Geology* 174: 97-113.
- Cannon, R. 1966. *The Sea of Cortez*. Lane Magazine and Book Co., Menolo Park, CA.
- Cantú, J. C. and M. E. Sánchez. 2000. Tráfico Ilegal de Tortugas Marinas en México, Situación Histórica y Actual. Investigación de TEYELIZ, México City. A.C. 28 pp.
- Carabias-Lillo, J., J. de la Maza, D. Gutiérrez-Carbonell, M. Gómez-Cruz, G. Anaya-Reina, A. Zavala-González, A. L. Figueroa and B. Bermúdez-Almada. 2000. Programa de Manejo Área de Protección de Flora y Fauna Islas del Golfo de California, México. Comisión Nacional de Áreas Naturales protegidas, Secretaría de Medio Ambiente, Recursos Naturales y Pesca, México.
- Carbajal, N., A. Souza and R. Duranzo. 1997. A numerical study of the ex-ROFI of the Colorado River. *J. Mar. Sys.* 12: 17-33.
- Carballo, J. L. 2006. Effect of natural sedimentation on the structure of tropical rocky sponge assemblages. *Ecoscience* 13 (1): 119-130.
- Carballo, J. L. and J. M. Aguilar-Camacho. 2012. PORIFERA Capítulo V, Pp. 69-84 in, A. M. Low-Pfeng and E. M. Peters Recagno (eds.), *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INESEMARNAT, México.
- Carballo, J. L., J. M. Aguilar-Camacho, I. S. Knapp and J. J. Bell. 2013. Wide distributional range of marine sponges along the Pacific Ocean. *Marine Biology Research* 9(8): 768-775.
- Carballo J. L. and E. Ávila. 2004. Population dynamics of a mutualistic interaction between the sponge *Haliclona caerulea* and the red alga *Jania adherens*. *Marine Ecology Progress Series* 279: 93-104.
- Carballo J. L., E. Ávila, S. Enríquez and L. Camacho. 2006. Phenotypic plasticity induced in transplanting experiments with a mutualistic association between the sponge *Haliclona caerulea* and the red macroalgae *Jania adherens*. I. Morphological responses of the sponge. *Marine Biology* 148: 467-478.
- Carballo J. L., E. Bautista-Guerrero and G. E. Leyte-Morales. 2008. Boring sponges and the modelling of coral reefs in the East Pacific Ocean. *Marine Ecology Progress Series* 356: 113-122.
- Carballo, J. L., E. Bautista, H. Nava, J. A. Cruz-Barraza and J. A. Chávez. 2013. Boring sponges, an increasing threat for coral reefs affected by bleaching events. *Ecology and Evolution* (4): 872-886.
- Carballo J. L. and J. A. Cruz-Barraza. 2005. *Cliona microstrongylata*, a new species of boring sponges from the Mar de Cortés (Pacific Ocean, México). *Cahiers de Biologie Marine* 45: 467-478.
- Carballo J. L. and J. A. Cruz-Barraza. 2006. The genus *Timea* (Porifera: Hadromerida) in the Eastern Pacific Ocean: Revision of type material, new species and intraspecific variability. *Cahiers de Biologie Marine* 47: 301-320.
- Carballo, J. L. and J. A. Cruz-Barraza. 2008. First record of *Axinyssa* Lendenfeld, 1897 (Demospongiae, Halichondrida) from the East Pacific Ocean with the description of *Axinyssa isabela* sp. nov. *Zootaxa* 1784: 58-68.
- Carballo, J. L. and J. A. Cruz-Barraza. 2010. A revision of the genus *Mycale* (Poecilosclerida: Mycalidae) from the Mexican Pacific Ocean. *Contribution to Zoology* 79(4): 165-194.

- Carballo, J. L., J. A. Cruz-Barraza, E. Bautista-Guerrero, H. Nava and J. A. Chávez. DATE. Efecto de la bioerosión por esponjas en arrecifes afectados por el cambio climático. JOURNAL.
- Carballo, J. L., J. A. Cruz-Barraza, and P. Gómez. 2004. Taxonomy and description of clionaid sponges (Hadromerida, Clionaidae) from the Pacific Ocean of Mexico. *Zoological Journal of the Linnean Society* 141:353–397.
- Carballo, J. L., J. A. Cruz-Barraza, H. Nava and E. Bautista. 2008. Esponjas perforadoras de sustratos calcáreos: Importancia en los ecosistemas arrecifales del Pacífico este. CONABIO, México. 187 pp.
- Carballo J. L. and P. Gómez. 2002. Las esponjas marinas de Sinaloa: un recurso desconocido en nuestro litoral. En: Atlas de la biodiversidad y ecosistemas de Sinaloa. Pp: 181-194.
- Carballo, J. L., P. Gómez and J. A. Cruz-Barraza. 2014. Biodiversidad de Porifera en México. *Revista Mexicana de Biodiversidad* 85: 143-153.
- Carballo, J. L., P. Gómez, J. A. Cruz-Barraza, and D. M. Flores-Sánchez. 2003. Sponges of the family Chondrillidae (Porifera: Demospongiae) from the Pacific Coast of Mexico, with the description of three new species. *Proceedings of the Biological Society of Washington* 116 (2):515–527.
- Carballo J. L., L. Hepburn, H. Nava, J. A. Cruz-Barraza and E. Bautista-Guerrero. 2007. Coral boring *Aka*-species (Porifera: Phloeodictyidae) from Mexico with description of *Aka cryptica* sp. nov. *Journal of the Marine Biological Association of the United Kingdom* 87 (6): 1477-1484.
- Carballo, J. L. and H. Nava. 2007. A comparison of sponge assemblage patterns between two adjacent tropical rocky habitats (tropical Pacific Ocean, México). *Ecoscience* 14 (1): 92-102.
- Carballo, J. L., C. Olabarria, and T. Garza Osuna. 2002. Analysis of four macroalgal assemblages along the Pacific Mexican coast during and after the 1997–1998 El Niño. *Ecosystems* 5:749–760.
- Carballo, J. L., C. Vega, J. A. Cruz-Barraza, B. Yáñez, H. Nava, E. Ávila and M. Wilson. 2008. Short and long-term patterns of sponge diversity on rocky tropical coast: Evidence of large structuring factors. *Marine Ecology and Evolutionary Perspective* 29: 216-236.
- Carballo, J. L., B. Yáñez and H. Nava. 2004. Persistence of the sponge *Suberites aurantiaca* (Duchassaing and Michelotti, 1864) in an estuarine ecosystem (Pacific Ocean, Mexico). *Bulletin of Marine Science* 75(3): 487–497.
- Carballo, J. L., B. Yáñez, E. Zubía, M. J. Ortega and C. Vega. 2010. Culture of explants from the sponge *Mycale cecilia* to obtain bioactive mycalazals-type metabolites. *Marine Biotechnology* 12:516–525.
- Carballo J. L., E. Zubía and M. J. Ortega. 2006. Biological and chemical characterization of three new species of *Dysidea* (Porifera: Demospongiae) from the Pacific Mexican coast. *Biochemical, Systematics and Ecology* 34: 498-508.
- Cárdenas H. G. 2008. Distribución y habitat de zifidos en la costa sudoccidental del Golfo de California. Cetacea: Ziphiidae. Master's thesis, Posgrado en Ciencias Marinas y Costera, Universidad Autónoma de Baja California Sur. 79 pp.
- Carrillo, L. E., M. F. Lavín, and E. Palacios-Hernández. 2002. Seasonal evolution of the geostrophic circulation in the northern Gulf of California. *Estuarine, Coastal and Shelf Science* 54: 157–173.

- Carrillo-Guerrero, Y., E. P. Glenn and O. Hinojosa-Huerta. 2013. Water budget for agricultural and aquatic ecosystems in the delta of the Colorado River, Mexico: Implications for obtaining water for the environment. *Ecological Engineering* 59: 41-51.
- Cariño, M. 2000. *Historia de las Relaciones Hombre: Naturaleza en Baja California Sur 1500–1940*. 2nd ed. UABCS, La Paz, México.
- Cariño, M. 1998. *El porvenir de la Baja California está en sus mares. Vida y legado de Don Gastón J. Vives, primer maricultor de América*. H. Congreso del Estado de Baja California Sur, La Paz.
- Cariño, M. and M. Monteforte. 1999. *El primer emporio perlero sustentable del mundo*. UABCS-SEP, México.
- Carleton, D. A., D. A. Carpenter and P. J. Weber. 1990. Mechanisms of interannual variability of the Southwest United States summer rainfall maximum. *Journal of Climate* 3: 999-1015.
- Carlton, J. T. (ed.). 2007. *The Light and Smith Manual. Intertidal Invertebrates from Central California to Oregon. 4th ed., rev.* University of California Press, Berkeley, CA.
- Carmona, R. and G. D. Danemann. 1994. Nesting waterbirds of Santa Maria Bay, Sinaloa, Mexico, April 1988.
- Carmona, R., J. Guzmán, S. Ramírez, and G. Fernández. 1994. Breeding waterbirds of La Paz Bay, Baja California Sur, Mexico. *Western Birds* 25:151–157.
- Carmona, R., S. Ramírez, B. Zárate, and F. Becerril. 1996. Some nesting waterbirds from southern San Jose Island and adjacent islands, Gulf of California, Mexico. *Western Birds* 27:81–85.
- Carmona, R., G. Ruíz Campos, J. A. Castillo Guerrero and G. Brabata. 2005. Patterns of occurrence and abundance of land birds on Espíritu Santo Island, Gulf of California, Mexico. *Southwestern Naturalist* 50:440–447.
- Carpelan, L. H. 1961. Pp. 9-15 in, B. W. Walker (ed.), *The ecology of the Salton Sea, California, in relation to the sportfishery*. California Department of Fish and Game, Fish Bulletin No. 113.
- Carpenter, J. P., G. Sanchez and M. E. Villalpando. 2002. Of maize and migration. Mode and tempo in the diffusion of *Zea mays* in Northwest Mexico and the American Southwest. Pp. 245-256 in, S. H. Schlanger (ed.), *Traditions, Transitions, and Technologies. Themes in Southwestern Archaeology*. University Press of Colorado, Boulder, CO.
- Carpenter, J., G. Sánchez, J. Watson and E. Villalpando. 2015. The La Playa Archaeological Project: Binational interdisciplinary research on long-term human adaptation in the Sonoran Desert. *J. Southwest* 57: 213-264.
- Carr, A. 1961. Pacific turtle problem. *Natural History* 70:64–71.
- Carr, A. 1987. New perspectives on the pelagic stage of sea turtle development. *Conservation Biology* 1:103.
- Carr, A. and A. B. Meylan. 1980. Evidence of passive migration of green turtle hatchlings in Sargassum. *Copeia* 1980:366–368.
- Carranza-Edwards, A., G. Bocanegra-Garcia, L. Rosales-Hoz and L. P. Galán. 1998. Beach sands from Baja California Peninsula, Mexico. *Sedimentary Geology* 119: 263-274.
- Carreño, A. L. 1983. Ostrácodos y foraminíferos planctónicos de la localidad Loma del Tirabuzón, Santa Rosalía, Baja California Sur e implicaciones bioestratigráficas y paleoecológicas. *Universidad Nacional Autónoma México, Instituto de Geología, Revista*, 5 (1):55–64.

- Carreño, A. L. 1985. Biostratigraphy of the late Miocene to Pliocene on the Pacific island María Madre, Mexico. *Micropaleontology* 31:139–166.
- Carreño, A. L. 1992a. Neogene microfossils from the Santiago Diatomite, Baja California Sur, Mexico, in M. Alcayde-Orraca and A. Gómez-Caballero (eds.), *Calcareous Neogene microfossils of Baja California Sur, Mexico*. Instituto de Geología, Universidad Nacional Autónoma de México, *Paleontología Mexicana*, 59 (1):1–3.
- Carreño, A. L. 1992b. Early Neogene Foraminifera and associated microfossils of the Cerro Tierra Blanca member (El Cien Formation), Baja California Sur, México, in M. Alcayde-Orraca and A. Gómez-Caballero (eds.), *Calcareous Neogene microfossils of Baja California Sur, Mexico*. Instituto de Geología, Universidad Nacional Autónoma de México, *Paleontología Mexicana*, 59 (2):39–93.
- Carreño, A. L. and J. Helenes. 2002. Geology and ages of the islands. Pp. 14–40 in T. J. Case, M. L. Cody, and E. Ezcurra (eds.), *A New Islands Biogeography of the Sea of Cortés*, Oxford University Press, New York.
- Carreño, A. L. and J. T. Smith. 2007. Stratigraphy and correlation for the ancient Gulf of California and Baja California Peninsula, Mexico. *Bulletin of American Paleontology* 371:1–146.
- Carrillo, L. E., M. F. Lavín, and E. Palacios-Hernández. 2002. Seasonal evolution of the geostrophic circulation in the northern Gulf of California. *Estuarine, Coastal and Shelf Science* 54:157–173.
- Carrillo-Guererro, Y. K., O. Hinojosa-Huerta and L. López-Hoffman. 2013. Water budget for agricultural and aquatic ecosystems in the delta of the Colorado River, Mexico: implications for obtaining water for the environment. *Ecol. Eng.* 59: 41-51.
- Carriquiry, J. D. 1993. Dynamics of sedimentation in the deltaic system of the Colorado River. *Proceedings of the II International Meeting on Geology of Baja California Peninsula*. Ensenada, B.C., Mexico
- Carriquiry, J. D. and A. Sánchez. 1999. Sedimentation in the Colorado River Delta and Upper Gulf of California after nearly a century of discharge loss. *Marine Geology* 158: 125-145.
- Carriquiry, J. D., A. Sánchez and V. F. Camacho-Ibar. 2001. Sedimentation in the northern Gulf of California after cessation of the Colorado River discharge. *Sedimentary Geology* 144:37-62.
- Carriquiry, J. D., J. A. Villaescusa, V. Camacho-Ibar, L. W. Daesslé and P. G. Castro-Castro. 2011. The effects of damming on the material flux in the Colorado River delta. *Environmental and Earth Science* 62: 1404-1418.
- Cart, V. and F. Password. The ecology of the lower Colorado River from Davis Dam to the Mexico-United States international boundary: A community profile. Arizona State University Tempe Center For Environmental Studies. 316pp.
- Cartron, J.-L. E. 2000. Status and productivity of ospreys along the eastern coast of the Gulf of California: 1992–1997. *Journal of Field Ornithology* 71:298–309.
- Cartron, J.-L. E., D. W. Anderson, C. J. Henny and R. Carmona. Ospreys of the Gulf of California: ecology and conservation status. Pp. 168-187 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Cartron, J.-L. E., G. Ceballos, and R. S. Felger (eds.). 2005. *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.

- Cartron, J.-L. E., G. L. Garber, C. Finley, C. Rustay, R. P. Kellermueller, M. P. Day, P. Manzano Fisher, and S. H. Stoleson. 2000. Power pole casualties among raptors and ravens in northwestern Chihuahua, Mexico. *Western Birds* 31:255–257.
- Cartron, J.-L. E., R. Harness, R. Rogers, and P. Manzano. 2005. Impact of concrete power poles on raptors and ravens in northwestern Chihuahua, Mexico. Pp. 357–369 in J.-L. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Cartron, J.-L. E. and M. C. Molles, Jr. 2002. Osprey diet along the eastern side of the Gulf of California. *Western North American Naturalist* 62:249–252.
- Cartron, J.-L. E., R. Rodríguez-Estrella, R. C. Rogers, L. B. Rivera, and B. Granados. 2006. Raptor electrocutions in northwestern Mexico: a preliminary regional assessment of the impact of concrete power poles. Pp. 202–230 in R. Rodríguez Estrella (ed.), *Current Raptor Studies in Mexico*. CIBNOR, La Paz.
- Cartron, J.-L. E., S. A. Sommer, D. E. Kilpatrick, and T. A. Pfister. 2006. Ecology and population status of ospreys in coastal Sonora. Pp. 120–148 in R. Rodríguez Estrella (ed.), *Current Raptor Studies in Mexico*. CIBNOR, La Paz.
- Carvajal, M. A., E. Ezcurra, and A. Robles. 2004. The Gulf of California: natural resource concerns and the pursuit of a vision. Pp. 105–123 in L. K. Glover and S. A. Earle (eds.), *Defying Ocean's End: An Agenda for Action*. Island Press, Washington, D. C. xxiv + 283 pp.
- Carvajal, M. A., A. Robles and E. Ezcurra. 2010. Ecological conservation in the Gulf of California. Pp. 219-250 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Carwardine, M., and M. Camm. 1995. *Whales, Dolphins and Porpoises*. Smithsonian Handbooks. Dorling Kindersley (DK) Limited, London.
- Case, T. J., and M. L. Cody. 1983. *Island Biogeography in the Sea of Cortéz*. University of California Press, Berkeley and Los Angeles, CA. 503 pp.
- Case, T. J., M. L. Cody, and E. Ezcurra (eds.). 2002. *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Caso, M., C. González-Abraham, and E. Ezcurra. 2007. Divergent ecological effects of oceanographic anomalies on terrestrial ecosystems of the Mexican Pacific coast. *Proceedings of the National Academy of Sciences* 104(25): 10530–10535.
- Castetter, E. F. and W. H. Bell. 1942. *Pima and Papago Indian Agriculture*. University of New Mexico Press, Albuquerque, NM.
- Castillo Geniz, J. L., O. Sosa Nishizaki, and J. C. Perez Jiménez. 2007. Morphological variation and sexual dimorphism in the California skate, *Raja inornata* Jordan and Gilbert, 1881 from the Gulf of California, Mexico. *Zootaxa* 1545:1–16.
- Castillo-Guerrero, J. A., E. González-Medina and G. Fernández. 2014. Seabird colonies of the small islands of Bahía Santa María-La Reforma, Sinaloa, México. *Waterbirds* 37(4): 439-445.
- Castillo-Moreno, G. 1999. Efecto de algunas variables sobre la abundancia relativa de postlarvas de camarón del género *Litopenaeus* y *Farfantepenaeus* (Crustacea: Decapoda) en el Alto Golfo de California. Tesis de Maestría, Centro de Investigación Científica y de Educación Superior de Ensenada, Baja California, México. 74 pp.
- Castro, R. and Y. Ben-Zion. 2013. Potential Signatures of Damage-Related Radiation from Aftershocks of the 4 April 2010 (M_w 7.2) El Mayor–Cucapah Earthquake, Baja California, México.

- Castro, R., R. Duranzo, A. Mascarenhas, C. A. Collins and A. Trasviña. 2006. Thermohaline variability and geostrophic circulation in the southern portion of the Gulf of California. *Deep-Sea Research I* 53: 188-200.
- Castro, R., M. F. Lavín, and P. Ripa. 1994. Seasonal heat balance in the Gulf of California. *Journal of Geophysical Research* 99:3249–3261.
- Castro, R., A. S. Mascarenhas, R. Duranzo and C. A. Collins. 2000. Seasonal variation of the temperature and salinity at the entrance to the Gulf of California. *Ciencias Marinas* 26: 561-583.
- Castro-Aguirre, J. L. 1980. Posible impacto sobre la fauna del Pacífico oriental tropical, con especial referencia al Golfo de California, por la apertura de un nuevo canal interoceánico a nivel del mar. Pp. 111–128 in *Memorias del 1er. Simposium sobre Biología Marina*, 6–8 Dic. 1978, La Paz, B.C.S. Universidad Autónoma de Baja California Sur, Area de Ciencias del Mar, La Paz, B.C.S.
- Castro-Aguirre, J. L., A. Antuna-Mendiola, A. F. González-Acosta, and J. De la Cruz-Agüero. 2005. *Mustelus albipinnis* sp. nov. (Chondrichthyes: Carcharhiniformes: Triakidae) de la costa suroccidental de Baja California Sur, México. *Hidrobiológica* 15 (2 Especial):123–130.
- Castro-Aguirre, J. L., J. Arvizu-Martínez, and J. Paez. 1970. Contribución al conocimiento de los peces del Golfo de California. *Revista de la Sociedad Mexicana de Historia Natural* 31:107–181.
- Castro-Aguirre, J. L. and E. F. Balart. 1996. Contribución al conocimiento del origen y las relaciones de la ictiofauna de aguas profundas del Golfo de California, México. *Hidrobiológica* 6: 67-76.
- Castro-Aguirre, J. L., E. F. Balart, and J. Arvizu-Martínez. 1995. Contribución al conocimiento del origen y distribución de la ictiofauna del Golfo de California, México. *Hidrobiológica* 5 (1–2):57–78.
- Castro-Aguirre, J. L. and H. S. Espinosa-Pérez. 1996. Listados faunísticos de México. VII. Catalogo sistemático de las rayas y especies afines de México (Chondrichthyes: Elasmobranchii: Rajiformes: Batoideomorpha). Instituto de Biología, UNAM, Mexico.
- Castro-Aguirre, J. L. and H. S. Espinosa-Pérez. 2006. Los peces de la familia Atherinopsidae (teleostei: Atheriniformes) de las lagunas costeras neutras e hipersalinas de México. *Hidrobiológica* 16: 89-101.
- Castro-Aguirre, J. L., H. S. Espinosa-Pérez, and J. J. Schmitter-Soto. 1999. *Ictiofauna Estuarino-lagunar y Vicaria de México*. Editorial Limusa, México, D.F. 711 pp.
- Castro-Aguirre, J. L., A. F. Gonzalez-Acosta and J. de la Cruz-Agüero. 2005. Lista anotada de las especies icticas anfi-pacíficas, de afinidad boreal, endémicas y anfipeninsulares del Golfo de California, México. *Universidad y Ciencia* 21: 85-106.
- Castro-Aguirre, J. L., J. C. Ramírez-Cruz, and M. A. Martínez-Muñoz. 1992. Nuevos datos sobre la distribución de lenguados (Pisces: Pleuronectiformes) en la costa oeste de Baja California, México, con aspectos biológicos y zoogeográficos. *Anales de la Escuela Nacional de Ciencias Biológicas de México* 37:97–119.
- Castro-Aguirre, J. L., G. Ruíz-Campos, and E. F. Balart. 2002. A new species of the genus *Lile* (Clupeiformes: Clupeidae) of the eastern tropical Pacific. *Bulletin of the Southern California Academy of Sciences* 101 (1):1–12.
- Castro-Aguirre, J. L., J. J. Schmitter-Soto, E. F. Balart, and R. Torres-Orozco. 1993. Sobre la distribución geográfica de algunos peces bentónicos de la costa oeste de Baja California Sur,

- México, con consideraciones ecológicas y evolutivas. *Anales de la Escuela Nacional de Ciencias Biológicas de México* 38:75–102.
- Castro-Aguirre, J. L., and R. Torres-Orozco. 1993. Consideraciones acerca del origen de la ictiofauna de Bahía Magdalena-Almejas, un sistema lagunar de la costa occidental de Baja California Sur, México. *Anales de la Escuela Nacional de Ciencias Biológicas de México* 38:67–73.
- Castro-Ortiz, J. L. and D. Lluch-Belda. 2008. Impacts of interannual environmental variation on the shrimp fishery of the Gulf of California. *CalCOFI Rept.* 49: 185-196.
- Cavallero Carranco, J. 1966 [1668] *The Pearl Hunters in the Gulf of California 1668*. Transcribed, translated and annotated by W. Michael Mathes. Baja California Travel Series 4, Dawson's Book Shop, Los Angeles.
- Cavelle, J. 2005. Cabo Pulmo. You'll Love Her Way. *Baja Life* 19: 26-35.
- Ceballos, G. 1975. The rockfishes, genus *Sebastes* (Scorpaenidae), of the Gulf of California, including three new species with a discussion of their origin. *Proceedings of the California Academy of Sciences* 40:109–141.
- Ceballos, G., J. Arroyo-Cabrales, and R. A. Medellín. 2002. The mammals of Mexico: composition, distribution, and conservation status. *Occasional Papers of the Museum, Texas Tech University, Lubbock, TX*.
- CEC. 1997. *Ecological Regions of North America. Toward a Common Perspective*. Commission for Environmental Cooperation, Montréal, Québec. 71 pp.
- Cervantes-Duarte, R., J. L. Mueller, C. C. Trees, H. Maske, S. Álvarez-Borrego and R. Lara-Lara. 2000. Euphotic depth, irradiance attenuation, and remote sensing K490 in bio-optical provinces of the Gulf of California. *Ciencias Marinas* 26(4): 533-560.
- Ceyca, J. P., J. A. Castillo-Guerrero, J. García-Hernández, G. Fernández and M. Betancourt-Lozano. 2016. Local and interannual variations in mercury and cadmium in eggs of eight seabird species of the Sinaloa Coast, Mexico. *Environmental Toxicology and Chemistry*. doi: 10.1002/etc.3402
- Chamberlain, S. A. and J. N. Holland. 2008. Density-mediated, context-dependent consumer-resource interactions between ants and extrafloral nectar plants. *Ecology* 89(5): 1364-1374.
- Chamberlain, S. and J. Holland. 2009. Body size predicts degree in ant-plant mutualistic networks. *Functional Ecology* 23(1): 196-202.
- Chamberlain, S. A. and J. N. Holland. 2009. Quantitative synthesis of context dependency in ant-plant protection mutualisms. *Ecology* 90(9): 2384-2392.
- Chao, L., H. Espinosa, L. T. Findley and A. van der Heiden. *Cynoscion othonopterus*. IUCN Red List of Threatened Species.
- Chapa, S. H. 1976. La fauna acompañante del camarón como un índice de monopesca. *Memorias del Simposio sobre Biología y Dinámica Poblacional de Camarones, INP, 8-13 Agosto 1976, Guaymas, Sonora, Mexico. Tomo I, pp. 174-186.*
- Chapin, C. E. 2008. Interplay of oceanographic and paleoclimatic events with tectonism during middle to late Miocene sedimentation across the southwestern USA. *Geosphere* 4: 976-991.
- Chapman, C. E. 1921. *A History of California: the Spanish Period*. Macmillan, New York.
- Chávez, E. A., F. D. Escobar-Toledo and S. Ortega-García. 2013. Optimum harvesting scenarios for the management of the bigeye tuna *Thunnus obesus* at the Eastern Tropical Pacific Ocean. *Rev. Biol. Mar. y Oceanogr.* 48(2): 235-243.
- Chávez, H. 1985. Bibliografía sobre los peces de la Bahía de La Paz, Baja California Sur, México. *Investigaciones Marinas CICIMAR [La Paz]* 2 (Num. Esp.II):1–75.

- Chávez, H. 1986. Bibliografía sobre peces del Golfo de California. *Investigaciones Marinas CICIMAR [La Paz]* 3 (Num. Esp. I):1–267.
- Chávez-Romo, H. E. and H. Reyes-Bonilla. 2007. Sexual reproduction of the coral *Pocillopora damicornis* in the southern Gulf of California, México. *Ciencias Marinas* 33: 495-501.
- Chen, L.-C. 1975. The rockfishes, genus *Sebastes* (Scorpaenidae), of the Gulf of California, including three new species with a discussion of their origin. *Proceedings of the California Academy of Sciences* 40:109–141.
- Chimenz Gusso, C. and L. Lattanzi. 2003. Mediterranean Pycnogonida: faunistic, taxonomical and zoogeographical considerations. *Biogeographia* 24:251–262.
- Christensen, N.S., A. W. Wood, N. Voisin, D. P. Lettenmaier and R. N. Palmer. 2004. The effects of climate change on the hydrology and water resources of the Colorado River Basin. *Climate Change* 62: 337-363.
- Cho, T. O., R. Riosmena-Rodríguez, and M. S. Boo. 2001. The developmental morphology of *Ceramium procumbens* (Ceramiaceae, Rhodophyta) from the Gulf of California, Mexico. *Algae* 16: 45–52.
- Cho, T. O., R. Riosmena-Rodríguez, and M. S. Boo. 2002. Developmental morphology of a poorly documented alga, *Ceramium recticorticum* (Ceramiaceae, Rhodophyta) from the Gulf of California, Mexico. *Cryptogamie Algologie* 23(4): 277–289.
- Chute, G. R. 1928. The totuáva fishery of the California gulf. *California Fish and Game* 14(4): 275-281.
- Cicin-Sain, B., P. Bernal, V. Vandeweerd, S. Belfiore, and K. Goldstein. 2002. *A Guide to Oceans, Coasts and Islands at the World Summit on Sustainable Development*. Center for the Study of Marine Policy, Newark, Delaware.
- Cinti, A., W. Shaw, R. Cudney-Bueno and M. Rojo. 2010. The unintended consequences of formal fisheries policies: Social disparities and resource overuse in a major fishing community in the Gulf of California, México. *Marine Policy* 34(2): 328-339.
- Cinti, A., W. Shaw, W. and J. Torre. 2010. Insights from the users to improve fisheries performance: Fishers' knowledge and attitudes on fisheries policies in Bahía de Kino, Gulf of California, México. *Marine Policy* 34(6): 1322–1334.
- Cinti, A., J. N. Duberstein, E. Torreblanca and M. Moreno-Báez. 2014. Overfishing drivers and opportunities for recovery in small-scale fisheries of the Midriff Island Region, Gulf of California, Mexico: The roles of land and sea institutions in fisheries sustainability. *Ecology and Society* 19.
- Cintra-Buenrostro, C. E. 2001. Los asteroideos (Echinodermata: Asteroidea) de aguas someras del Golfo de California, Mexico. *Oceanides* 16 (1):49–90.
- Cintra-Buenrostro, C. E. and K. W. Flessa. 2004. Cavidades, mordiscos y peladas: herramientas para determinar la importancia trófica de una especie en desvanecimiento dentro del delta del Río Colorado, México. [Holes and scars on the shells of *Mulinia coloradoensis* are used to determine the trophic importance of this vanishing species in the Colorado River Delta, Mexico.] *Ciencia y Mar* 8 (24):3–19.
- Cintra-Buenrostro, C. E., K. W. Flessa and D. L. Dettman. 2012. Restoration flows for the Colorado River Estuary, México: Estimates from oxygen isotopes in the bivalve mollusk *Mulinia coloradoensis* (Mactridae: Bivalvia). *Wetlands Ecology Management*, doi 10.1007/s11273-012-9255-5.

- Cintra-Buenrostro, C. E., K. W. Flessa and G. Avila-Serrano. 2004. Who cares about a vanishing clam? Trophic importance of *Mulinia coloradoensis* inferred from predatory damage. *Palaios* 20:295–301.
- Cintra-Buenrostro, C. E., M. S. Foster, and K. H. Meldahl. 2002. Response of nearshore marine assemblages to global change: A comparison of molluscan assemblages in Pleistocene and modern rhodolith beds in the southwestern Gulf of California, Mexico. *Palaeogeography, Palaeoclimatology, Palaeoecology* 183:299–320.
- CIRVA (Comité Internacional para la Recuperación de la Vaquita). 2016. Express meeting report of the Comité Internacional para la Recuperación de la Vaquita, December 16, 2015, San Francisco, CA. Final Report.
- CIRVA (Comité Internacional para la Recuperación de la Vaquita). 2015a. Report of the 5th meeting of the International Committee for the Recovery of the Vaquita, 2014. Available at: <http://www.iucn-csg.org/wp-content/uploads/2010/03/Report-of-the-Fifth-Meeting-of-CIRVA.pdf>.
- CIRVA (Comité Internacional para la Recuperación de la Vaquita). 2015b. Report of the 6th meeting of the International Committee for the Recovery of the Vaquita. Available at <http://www.iucn-csg.org/wp-content/uploads/2010/03/CIRVA-6-Report-Rev-19-July-2015.pdf>.
- Cisneros-Mata, M. A. 2001. Pesca y manejo pesquero en el Golfo de California. *Estudios Sociales* 11:57-69.
- Cisneros-Mata, M. A. 2004. Sustainability in complexity: from fisheries management to conservation of species, communities and spaces in the Sea of Cortez. Pp. 20–23 in R. C. Brusca (ed.), *Proceedings of the Gulf of California Conference 2004*. Arizona-Sonora Desert Museum, Tucson, Arizona. June 13–16, 2004. 173 pp.
- Cisneros-Mata, M. A. 2010. The importance of fisheries in the Gulf of California and ecosystem-based sustainable co-management for conservation. Pp. 119-134 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Cisneros-Mata, M. A., L. W. Botsford, and J. F. Quinn. 1997. Projecting viability of *Totoaba macdonaldi*, a population with unknown age-dependent variability. *Ecological Applications* 7 (3):968–980.
- Cisneros-Mata, M. A., G. Montemayor-López, and M. O. Nevárez-Martínez. 1996. Modeling deterministic effects of age structure, density dependence, environmental forcing and fishing in the population dynamics of the Pacific sardine (*Sardinops sagax caeruleus*) stock of the Gulf of California. *CalCOFI Report* 37:201–208.
- Cisneros-Mata, M. A., G. Montemayor-López, and M. J. Román-Rodríguez. 1995. Life history and conservation of *Totoaba macdonaldi*. *Conservation Biology* 9:806–814.
- Cisneros-Mata, M. A., M. O. Nevárez-Martínez, and M. G. Hammann. 1995. The rise and fall of the Pacific sardine, *Sardinops sagax caeruleus* Giard, in the Gulf of California, Mexico. *CalCOFI Reports* 36:136–143.
- Cisneros-Mata, M. A., R. H. Ulloa, V. Laurencez-Reyes, M. Rojo, A. Meza, J. Torre-Cosio and K. Andrews. 2011. Evaluación de un banco de callo de hacha liso (*Atrina oldroydii*) en Bahía de Kino, Sonora, en Marzo de 2011. INAPESCA, Dirección Investigación Pesquera en el Pacífico Norte, Guaymas, Sonora.
- Cisneros-Mata, M. A., R. H. Ulloa, V. Laurencez-Reyes, M. Rojo, A. Meza, J. Torre-Cosio, K. Andrews and A. Sánchez-Cruz. 2011. Dictamen Técnico “Evaluación de Callo de Árbol, el

- Desemboque, Sonroa. INAPESCA, Dirección Investigación Pesquera en el Pacífico Norte, Guaymas, Sonora.
- CITES. 2015. Totoaba, in Review of Appendixes, based on Resolution of the Conference 9.24 (Rev.). Accessed 15 May 2015.
- Clapham, P. 2002. Humpback whale. Pp. 589–592 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen (eds.), *Encyclopedia of Marine Mammals*. Academic Press, San Diego, CA. 1414 pp.
- Clark, E. W., A. B. Fleishman and M. F. Riegner. 2016. Diversity, abundance and nesting phenology of the wading birds of Bahía Kino, Sonora, México. *Waterbirds* 38(4): 355-363.
- Clark, R. N. 2000. The chiton fauna of the Gulf of California rhodolith beds (with descriptions of four new species). *Nemouria* (Occasional Papers of the Delaware Museum of Natural History) 43:1–20.
- Clark-Tapia, R. and F. Molina-Freaner. 2003. The genetic structure of a columnar cactus with a disjunct distribution: *Stenocereus gummosus* in the Sonoran Desert. *Heredity* 90: 443-450.
- Clarkson, R. W. and J. C. deVos Jr. 1986). The Bullfrog, *Rana catesbeiana* Shaw, in the lower Colorado River, Arizona-California. *Journal of Herpetology* 20(1): 42-49
- Clavigero, F. J. 1937 [1789] *The History of [Lower] California*. Translated by Sara E. Lake and edited by A. A. Gray. Stanford University Press, Stanford, California.
- Cliffon, K., D. O. Cornejo, and R. S. Felger. 1982. Sea turtles of the Pacific coast of Mexico. Pp. 199–209 in K. A. Bjorndal (ed.), *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, D.C.
- Coan, E. V. and P. Valentich-Scott. 2012. *Bivalve Seashells of Tropical West America (2 vols)*. Santa Barbara Museum of Natural History, Santa Barbara, CA.
- Coates, A. G. and J. A. Obando. 1996. The geologic evolution of the Central American isthmus. Pp. 21–56 in J. B. C. Jackson, A. F. Budd, and A. G. Coates (eds.), *Evolution and Environments in Tropical America*. University of Chicago Press, Chicago.
- Coate, A. G. et al. 1992. Closure of the Isthmus of Panama: the near-shore marine record of Costa Rica and western Panama. *Geological Society of America Bulletin* 104: 814-828.
- Cohen, M. J. 2004. Colorado River Delta. *BioScience*: 54: 386-391.
- Cohen, M. J. 2005. Understanding flows through the remnant Colorado River Delta—recommendations for stream-gauge sites and data collection. Pacific Institute Publication, Boulder Colorado. www.pacinst.org.
- Cohen, M. J. 2013. Groundwater Dynamics in the Colorado River Limitrophe. Pacific Institute, Oakland California. www.pacinst.org
- Cohen, M. and C. Henges-Jeck. 2001. Missing water: The uses and flows of water in the Colorado River Delta region. Report of the Pacific Institute. 44 pp.
- Cohen, M. J., C. Henges-Jeck, and G. Castillo-Moreno. 2001. A preliminary water balance for the Colorado River delta, 1992–1998. *Journal of Arid Environments* 49 (1):35–48.
- Colborn, J., R. E. Crabtree, J. B. Shaklee, E. Pfeiler and B. W. Bowen. 2001. The evolutionary enigma of bonefishes (*Albula* spp.): cryptic species and ancient separations in a globally distributed shore fish. *Evolution* 55: 807-820.
- Cole, K. L. 1986. The lower Colorado River valley: A Pleistocene desert." *Quaternary Research* 25(3): 392-400.
- Collins, C. A., N. Garfield, A. S. Mascarenhas, M. G. Spearman, and T. A. Rago. 1997. Ocean currents across the entrance to the Gulf of California. *Journal of Geophysical Research* 102:927–936.

- Collins, T. 1996. Molecular comparisons of transisthmian species pairs: rates and patterns of evolution. Pp. 303–334 in J. B. C. Jackson, A. F. Budd, and A. G. Coates (eds.), *Evolution and Environments in Tropical America*. University of Chicago Press, Chicago.
- Compean-Jiménez, G., O. Baylon-Grecco, H. Robles and J. Aranda. Undated (~1981). Estudio preliminar de la pesquería de la Laguna Salada, Baja California. Delegación Federal de Pesca en el Estado de Baja California. Online report:
<http://www.sci.sdsu.edu/salton/EstudioPesqueriaLagunaSala.html>
- CONABIO. 1999. *Ecorregiones de México*. Digital Map Scale 1:1 000 000. México, D.F.
(<http://www.conabio.gob.mx/>)
- CONABIO. 2005. La Vaquita.
[Conabio.gob.mx/institucion/conabio_espanol/doctos/vaquita.html](http://conabio.gob.mx/institucion/conabio_espanol/doctos/vaquita.html)
- CONAGUA. 2006. Relación de cultivos establecidos: Total sistemas (año agrícola 2005-06). Comisión Nacional del Aguajefatura del Distrito de Riego 014. Departamento de Estadística Agrícola, Mexicali, B. C., México.
- CONAGUA. 2007. Determinación de la disponibilidad de agua en el acuífero del valle de Mexicali, Estado de Baja California. Diario Oficial de la Federación (13 de agosto).
- CONAGUA. 2010. Determinación de la disponibilidad de agua en el acuífero 2601 valle de San Luis Río Colorado, Estado de Sonora. Diario Oficial de la Federación (16 de agosto).
- CONANP. 2004. Program de Conservación y Manejo de la Reserva de la Biósfera Alto Golfo de California y Delta del Río Colorado. (<http://conanp.gob.mx/anp/consulta.php>)
- CONANP. 2006. Programa de Conservación y Manejo Parque Nacional Cabo Pulmo, México. Comisión Nacional de Areas Naturales Protegidas, México.
- CONAPESCA. 2010. Subdelegación de Pesca en Sonora. In, Manual de capacitación y diseño de Recursos sobre diferentes técnicas recomendadas para el manejo y procesamiento de la curvina golfina que permitirá dar el valor agregado requerido, que será diverso y muy relacionado a los hábitos de consumo de los diferentes mercados en los que se pretende colocar el recurso (producto 3). Consultores Ejecutivos de Sonora S.A. de C. V. Agosto de 2010, Guaymas, Sonora. 84 pp.
- Coolidge, D. and M. R. Coolidge. 1939. *The Last of the Seris*. E. P. Dutton, New York.
- Congalton, R. G., M. Balogh, et al. 1998. Mapping and monitoring agricultural crops and other land cover in the lower Colorado River basin. *Photogrammetric Engineering and Remote Sensing* 64(11): 1107-1113.
- Conly, A.G., G. Beaudoin and S. D. Scott. 2006. Isotopic constraints on fluid evolution and precipitation mechanisms for the Boléo Cu-Co-Zn deposit, Mexico. *Mineralium Depostia* 41: 127-151.
- Cook, B. I. and R. Seager. 2013. The response of the North American Monsoon to increased greenhouse gas forcing. *American Geophysical Union*, doi: 10.1002/jgrd.20013.
- Corbosiero, K. L., M. J. Dickinson and L. F. Bosart. 2009. The contribution of eastern North Pacific tropical cyclones to the rainfall climatology of the southwest United States. *Monthly Weather Review* 137: 2415-2435.
- Cornelius, S. E. 1982. Status of sea turtles along the Pacific coast of Middle America. Pp. 211–219 in K. A. Bjorndal (ed.), *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, D.C.
- Cornell, W. C. 1979. Gulf of California in Lake Mead area of Arizona and Nevada during late Miocene time: discussion. *American Association of Petroleum Geologists Bulletin*, 63: 1139-1140.

- Correll, D. S. and H. B. Correll. 1972. Aquatic and wetland plants of the southwestern United States. Environmental Protection Agency, Washington, D.C.
- Cortés, J. and A. Morales-Ramírez (eds). 2014. Scientific research of the North Pacific marine and coastal areas of Costa Rica. *Revista de Biología Tropical* 62 (Supl. 4), December 2014. 186 pp.
- Cortés-Lara, M.C., S. Alvarez-Borrego, and A.D. Giles-Guzmán. 1999. Efecto de la mezcla vertical sobre la distribución de nutrientes y fitoplancton en dos regiones del Golfo de California, en verano. *Revista de la Sociedad Mexicana de Historia Natural*, 49:193–206.
- Cortés-Lara, A., A. López-López, L. L. Moctezuma-Torres, F. J. Mosqueda-Martínez, E. Paredes Arellano, and F. A. Sandoval. 2002. Revestimiento del Canal Todo Americano y sus efectos en Baja California. Gobierno del Estado de Baja California, Mexicali, Baja California, México.
- Cosgrove, J. A. 2005. The first specimens of Humboldt squid in British Columbia. *PICES Press* 13(2): 30-31.
- Council Directive 92/43/EEC. 1992. Conservation of natural habitats and of wild flora and fauna. *International Journal of the European Communities L* 206:7–49.
- Coyne and R. D. Clark (compilers). Proceedings of the twenty-first annual symposium on sea turtle biology and conservation. NOAA Tech. Memo. NMFS-SEFSC-528. Philadelphia, PA.
- Crabtree, C. B. 1989. A new silverside of the genus *Colpichthys* (Atheriniformes: Atherinidae) from the Gulf of California, Mexico. *Copeia* 1989 (3):558–568.
- Craig, J. A. 1926. A new fishery in Mexico. *California Fish and Game* 12:166–169.
- Craig, M. T., P. A. Hastings, D. J. Pondella II, D. R. Robertson, and J. A. Rosales-Casián. 2006. Phylogeography of the flag cabrilla *Epinephelus labriformis* (Serranidae): implications for the biogeography of the tropical eastern Pacific and the early stages of speciation in a marine shore fish. *Journal Biogeography* 33:969–979.
- Crews, S. and M. Hedin. 2006. Studies of morphological and molecular phylogenetic divergence in spiders (Araneae: *Homalonychus*) from the American southwest, including divergence along the Baja California Peninsula. *Molecular Phylogenetics and Evolution* 38: 470-487.
- CRIP (Centro Regional de Investigaciones Pesqueras). 2005. Compilación biológico pesquera de corvina golfina, *Cynoscion othonopterus* en al Alto Golfo de California. Tech. Rpt., 12. <http://www.cofememir.gob.mx/mir/uploadtests/7357.66.59.1.Compilacion%20curvina.doc>.
- Crosby, H. W. 1981. *Last of the Californios*. Copley Books, La Jolla, CA.
- Crother, B. I., M. M. Miyamoto and W. F. Presch. 1986. Phylogeny and biogeography of the lizard family Xantusidae. *Systematic Zoology* 35: 37-45.
- Crouch, J. K. 1979. Neogene tectonic evolution of the California continental borderland and western Transverse Ranges. *Geological Society of America, Bulletin* 90: 338-345.
- Crowell, B. W., Y. Bock, D. T. Sandwell and Y. Fialko. 2013. Geodetic investigation into the deformation of the Salton Trough. *Journal of Geophysical Research: Solid Earth* 118: 5030-5039.
- Crumrine, N. R. and L. S. Crumrine. 1967. Ancient and modern Mayo fishing practices. *The Kiva* 33(1): 25-33.
- Cruz-Ayala, M. B., R. A. Núñez-López and G. E. López. 2001. Seaweeds in the southern Gulf of California. *Botanica Marina* 44: 187-197.

- Cruz-Barraza J. A. and J. L. Carballo. 2005. First record of *Plakortis* Schulze (Porifera: Homosclerophorida) from the Northeast Pacific coast, with the description of *Plakortis albicans* sp. nov. *Zootaxa* 868: 1-12.
- Cruz-Barraza, J. A. and J. L. Carballo. 2006. A new species of *Haliclona* (Demospongiae: Haplosclerida) living in association with *Geodia media* Bowerbank (Mexican Pacific coast). *Zootaxa* 1343: 43-54.
- Cruz-Barraza, J. A. and J. L. Carballo. 2008. Taxonomy of sponges associated with corals from the Mexican Pacific Ocean. *Zoological Studies* 47(6): 741 a 758.
- Cruz-Barraza, J. A., J. L. Carballo, E. Bautista-Guerrero and H. Nava. 2011. New species of excavating sponges (Porifera: Demospongiae) on coral reefs from the Mexican Pacific Ocean. *Journal of the Marine Biological Association of the United Kingdom* 91(5): 999–1013.
- Cruz-Barraza, J. A., J. L. Carballo, A. Rocha-Olivares, H. Ehrlich and M. Hog. 2012. Integrative taxonomy and molecular phylogeny of genus *Aplysina* (Demospongiae: Verongida) from Mexican Pacific. *PLoS ONE* 7(8): e42049. doi:10.1371/journal.pone.0042049
- Cruz-Barraza, J. A., C. Vega and J. L. Carballo. 2014. Taxonomy of family Plakinidae (Porifera: Homoscleromorpha) from eastern Pacific coral reefs through morphology and cox1 and cob mtDNA data. *Zoological Journal of the Linnean Society* 171, 254–276.
- Cruz-Garcia, G. S. and P. J. E. Peters. 2015. Conservation of corals in the Colombian Caribbean. Pp. 209-234 (Ch. 12) in, N. E. Narchi and L. L. Price (eds.), *Ethnobiology of Corals and Coral Reefs*. *Ethnobiology*, DOI 10.1007/978-3-319-23763-6.
- Cruz-Hernández, P., A. Munguía-Vega, I. Leyva-Valencia, L. Lucero-Burquez and D. B. Lluch-Cota. 2014. Development of 24 tetra-nucleotide microsatellite markers in Cortes geoduck *Panopea globose* by next-generation sequencing. *Conservation Genetics Resources* 6: 531-533.
- Cruz-Vásquez, R. G. Rodríguez-Domínguez, E. Alcántara-Razo and E. A. Aragón-Noriega. 2012. Estimation of individual growth parameters of the Cortes geoduck *Panopea globose* from the central Gulf of California using a multimodal approach. *J. Shellfish Res.* 31: 725-732.
- CSGC. 2001. *Prioridades de conservación para la Región del Golfo de California*. Coalición para la Sustentabilidad del Golfo de California, with support from Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO), Cementos Mexicanos (CEMEX), Conservation International (CI), Fondo Mexicano para la Conservación de la Naturaleza (FMCN), Instituto Nacional de Ecología (INE), Instituto Tecnológico de Monterrey (ITESM), and World Wildlife Fund (WWF), México, D.F. Map Scale 1:1 500 000.
- CSGC. 2004. *Prioridades de conservación para el Golfo de California*. Coalición para la Sustentabilidad del Golfo de California (printed by WWF Mexico–Gulf of California Program), México, D.F. 70 pp.
- CTPTV. 1993. Propuesta para la Declaración de Reserva de la Biosfera Alto Golfo de California y Delta del Río Colorado. Internal report, Comité Técnico para la Preservación de la Totoaba y la Vaquita, Hermosillo, Son.
- Cudney-Bueno, R. and X. Basurto. 2009. Lack of cross-scale linkages reduces robustness of community-based fisheries management. *PLoS ONE* 4(7) e6253: 1-1-8.

- Cudney-Bueno, R., L. Bourillón, A. Sáenz-Arroyo, J. Torre-Cosío, P. Turk-Boyer, W. W. Shaw. 2008. Governance and effects of marine reserves in the Gulf of California, Mexico. *Ocean and Coastal Management* 52: 207-218.
- Cudney-Bueno, R., M. F. Lavín, S. G. Marinone, P. T. Raimondi, W. W. Shaw. Rapid Effects of Marine Reserves via Larval Dispersal. *PLoS ONE* 4(1) e4140: 1-7.
- Cudney-Bueno, R., R. Prescott and O. Hinojosa-Huerta. 2008. The black murex snail, *Hexaplex nigritus* (Mollusca, Muricidae), in the Gulf of California, Mexico: I. Reproductive ecology and breeding aggregations. *Bulletin of Marine Science* 83(2): 285-298.
- Cudney-Bueno, R. and K. Rowell. 2008. Establishing a baseline for management of the rock scallop, *Spondylus calcifer* (Carpenter, 1857): growth and reproduction in the upper Gulf of California, Mexico. *Journal of Shellfish Research* 27(4): 625-632.
- Cudney-Bueno, R. and K. Rowell. 2008. The black murex snail, *Hexaplex nigritus* (Mollusca, Muricidae) in the Gulf of California, Mexico. II. Growth, longevity and morphological variations with implications for management of a rapidly declining fishery. *Bulletin of Marine Science* 83(2): 299-313.
- Cuesta, J. A. M. U. García-Guerrero and M. E. Hendirckx. 2007. The complete larval development of *Johngarthia planatus* (Brachyura: Grapsoidea: Gecarcinidae) described from laboratory reared material, with notes on the affinity of *Gecarcinus* and *Johngarthia*. *J. Crustacean Biol.* 27(2): 263-277.
- D'Agrosa, C., C. Lennert-Cody, and O. Vidal. 2000. Vaquita bycatch in Mexico's artisanal gillnet fisheries: driving a small population to extinction. *Conservation Biology* 14 (4):1110-1119.
- Dahlheim, M. E., S. Leatherwood, and W. F. Perrin. 1982. Distribution of Killer Whales in the warm temperate and tropical eastern Pacific. *Reports of the International Whaling Commission* 36:647-653.
- Dall, W. H. 1894. On the species of *Mulinia* from the Pacific coast. *The Nautilus* 8(1): 5-6.
- Daesslé, L., K. C. Lugo-Ibarra, H. J. Tobschall, M. Melo, E. A. Gutiérrez-Galindo and J. García-Hernández. 2009. Accumulation of As, Pb and Cu associated to the recent sedimentary processes in the Colorado Delta, south of the US-Mexico boundary. *Archives in Environmental Contamination and Toxicology* 56: 680-692.
- Daesslé, L. W., A. Orozco, U. Struck, V. F. Camacho-Ibar, R. van Geldern, E. Santamaría-del-Angel and J. A. C. Barth. 2016. Sources and sinks of nutrients and organic carbon during the 2014 pulse flow of the Colorado River into Mexico. *Ecological Engineering*, doi.org/10.1016/j.ecoleng.2016.02.018.
- Damon, P. E., M. Shafiqullach and R. B. Scarborough. 1978. The evolution of the lower Colorado River: revised chronology for critical stages. *Geological Society America Abstracts with Program* 10(3): 101-102.
- Danell-Jiménez, A., L. Sánchez-Velasco, M. F. Lavín and S. G. Marinone. 2009. Three dimensional distribution of larval fish assemblages across a surface thermal/chlorophyll front in a semiencloded sea. *Esutarine, Coastal and Shelf Scieene* 85: 487-496.
- Danemann, G.D., and E. Ezcurra (eds.). 2008. *Bahía de Los Angeles: Recursos naturales y comunidad. Línea base 2007*. Pronatura Noroeste, Instituto Nacional de Ecología, and San Diego Natural History Museum. México, D.F. 740 pp.
- Dauphin, J. P. and G. E. Ness. 1991. *Bathymetry of the Gulf and Peninsular Province of the Californias*. American Association of Petroleum Geologists, Memoir 47.

- Dávila, G. and F. García-Badillo. 1986. Análisis de la biología y condiciones del stock del calamar gigante *Dosidicus gigas* en el Golfo de California, México, durante 1980. *Ciencia Pesquera* 5:63–76.
- Dauphin, J. P. and B. R. T. Simoneit (eds.). 1991. *The Gulf and Peninsular Province of the Californias*. Memoir 47, American Association of Petroleum Geologists, Tulsa, OK.
- Davis, E. and E. Y. Dawson. 1945. The savage Seris of Sonora—1. *Scientific Monthly* 60(3): 193-202; II. *Scientific Monthly* 60(4): 261-268.
- Davis, R. W., N. Jaquet, D. Gendron, U. Markaida, G. Bazzino, and W. Gilly. 2007. Diving behavior of sperm whales in relation to behavior of a major prey species, the jumbo squid, in the Gulf of California, Mexico. *Marine Ecology Progress Series* 333:291–302.
- Dawson, C. 1974. Studies on eastern Pacific sand stargazers (Pisces: Dactyloscopidae) 1. *Platygillelus* new genus, with descriptions of new species. *Copeia* 1974 (1):39–55.
- Dawson, C. 1975. Studies on eastern Pacific sand stargazers (Pisces: Dactyloscopidae). 2. Genus *Dactyloscopus*, with descriptions of new species and subspecies. *Natural History Museum of Los Angeles County, Scientific Bulletin* 22:1–61.
- Dawson, C. 1976. Studies on eastern Pacific sand stargazers. 3. *Dactylagnus* and *Myxodagnus*, with description of a new species and subspecies. *Copeia* 1976 (1):13–43.
- Dawson, C. 1985. *Indo-Pacific Pipefishes (Red Sea to the Americas)*. Gulf Coast Research Laboratory, Ocean Springs, MS. 230 pp.
- Dawson, E. Y. 1944. The marine algae of the Gulf of California. *Allan Hancock Pacific Expeditions* 3: 189–453.
- Dawson, E. Y. 1945. Some new and unreported sublittoral algae from Cedros Island, Mexico. *Bulletin Southern California Academy Sciences* 43: 102–122.
- Dawson, E. Y. 1949. Resultados preliminares de un reconocimiento de las algas marinas de la costa Pacífica de México. *Revista Sociedad Mexicana Historia Naturalia* 9: 215–255.
- Dawson, E. Y. 1950. A review of *Ceramium* along the Pacific coast of North America with special reference to its Mexican representatives. *Farlowia* 4: 113–138.
- Dawson, E. Y. 1953. Marine red algae of Pacific Mexico. Part 1, Bangiales to Corallinaceae Subf. Corallinoideae. *Allan Hancock Pacific Expeditions* 17: 1–238.
- Dawson, E. Y. 1954a. Resumen de las investigaciones recientes sobre algas marinas de la costa Pacífica de México, con una synopsis de la literatura, sinonimia y distribución de las especies descritas. *Revista Sociedad Mexicana Historia Natural* 13: 97–197.
- Dawson, E. Y. 1954b. Marine red algae of Pacific Mexico. Part 2, Crkptonemiales (cont.): Dermocorynidae to Chorecolaceae. *Allan Hancock Pacific Expeditions* 1: 240–396.
- Dawson, E. Y. 1959. Marine algae from the 1958 cruise of the *Stella Polaris* in the Gulf of California. *Los Angeles Co. Museum of Natural History, Contribution to Science* 27: 1–39.
- Dawson, E. Y. 1960a. A review of the ecology, distribution, and affinities of the benthic flora. In: *The Biogeography of Baja California and Adjacent Seas. Part II: Marine Biotas. Systematic Zoology* 9: 93–100.
- Dawson, E. Y. 1960b. Marine red algae of Pacific Mexico, Part 3: Cryptomeniales; Corallinaceae subf. Melobesioideae. *Pacific Naturalist* 2: 1–125.
- Dawson, E. Y. 1960c. New records of marine algae from Pacific Mexico and Central America. *Pacific Naturalist* 1(20): 31–52.
- Dawson, E. Y. 1961a. Marine red algae of Pacific Mexico, Part 4: Gigartinales. *Pacific Naturalist*. 2: 191–343.

- Dawson, E. Y. 1961b. Marine red algae of Pacific Mexico. Part 7, Ceramiales, Ceramiaceae, Deles seriaceae. Allan Hancock Pacific Expeditions 26: 1–207.
- Dawson, E. Y. 1961c. A guide to the literature and distributions of Pacific benthic algae from Alaska to the Galapagos Islands. Pacific Science 15: 370–461.
- Dawson, E. Y. 1963a. Marine red algae of Pacific Mexico. Part 6, Rhodymeniales. Nova Hedwigia 5: 437–476
- Dawson, E. Y. 1963b. Marine red algae of Pacific Mexico. Part 8, Ceramiales: Dasyaceae, Rhodomelaceae. Nova Hedwigia 6: 401–481
- Dawson, E. Y. 1966a. Marine algae in the vicinity of Puerto Peñasco, Sonora, Mexico. Gulf of California Field Guide Series, No. 1. University of Arizona, Tucson, AZ.
- Dawson, E. Y. 1966b. New records of marine algae from the Gulf of California. Journal Arizona Academy of Sciences 4: 55–66.
- Dawson, E. Y. and M. S. Foster. 1982. *Seashore Plants of California*. University California Press, Berkeley, CA.
- Dayton, P. K. 2004. The importance of the natural sciences to conservation. American Naturalist 162:1–13.
- Dayton, P. K., S. Thrush, and F. C. Coleman. 2002. Ecological effects of fishing in marine ecosystems of the United States. Pew Oceans Commission, Arlington, VA. 44 pp.
- D'Agrosa, C., O. Vidal and W. C. Graham. 1995. Análisis preliminar de la mortalidad incidental de la vaquita (*Phocoena sinus*) en redes agalleras durante 1993-1994. XX Reunión Internacional para el Estudio de los Mamíferos Marinos, La Paz, BCS Mexico.
- Dean, M. A. 1996. Neogene Fish Creek gypsum and associated stratigraphy and paleontology, southwestern Salton Trough, California, in P. Abbott and D. Seymour (eds.), Sturzstroms and Detachment Faults Anza-Borrego Desert State Park California, South Coast. Geological Society of America, Annual Field Trip Guide Book Number 24:123–148.
- Daesslé, L., K. C. Lugo-Ibarra, H. J. Tobschall, M. Melo, E. A. Gutiérrez-Galindo and J. García-Hernández. 2009. Accumulation of As, Pb and Cu associated to the recent sedimentary processes in the Colorado Delta, south of the US-Mexico boundary. Archives in Environmental Contamination and Toxicology 56: 680-692.
- de Diego-Forbis, T. A., R. Douglas, D. Gorsline, E. Nava-Sanchez, L. Marrack, and J. Banner. 2004. Late Pleistocene (last interglacial) terrace deposits, Bahía Coyote, Baja California Sur, México; coastal environmental change during sea-level highstands. IGCP 437 symposium, Barbados. Quaternary International 120 (1): 29–40.
- Dedina, S. 2000. *Saving the Gray Whale. People, Politics, and Conservation in Baja California*. University of Arizona Press, Tucson.
- De Francia, G. 1930 [1596] Memorial of Gonzalo de Francia. Pp. 218-220, in H. R. Wagner, Pearl Fishing Enterprises in the Gulf of California. Hispanic American Historical Review 10(2): 188-220.
- De Grave, S. 1999. The influence of sedimentary heterogeneity on maerl bed differences in infaunal crustacean community. Estuarine, Coastal and Shelf Science 49:153–163.
- De Grave, S., H. Fazakerley, L. Kelly, M. D. Guiry, M. Ryan, and J. Walshe. 2000. *A study of selected maerl beds in Irish waters and their potential for sustainable extraction*. Marine Resource Series: 10. The Marine Institute, Dublin. 44 pp.
- De Grave, S., and A. Whitaker. 1999. Benthic community re-adjustment following dredging of a muddy-maerl matrix. Marine Pollution Bulletin 38:102–108.

- De la Cruz-Agüero, J. and F. Galván-Magaña. 1992. Peces mesopelágicos de la costa occidental de Baja California Sur y del Golfo de California. *Anales del Instituto de Ciencias del Mar y Limnología*, Universidad Nacional Autónoma de México 19:25–31.
- De la Cruz-González, F. J., L. F. Beltrán-Morales, C. A. Salinas-Zavala, M. Á. Cisneros-Mta, E. A. Aragón-Noriega and G. Avilés-Polanco. 2011. Socioeconomic analysis of giant squid fishery in Guaymas Sonora. *Economía, Sociedad y Territorio* 11(37): 645-666.
- De la Cruz-Agüero, J., M. Arellano-Martínez, V. M. Cota-Gómez, and G. De la Cruz-Agüero. 1997. Catálogo de los peces marinos de Baja California Sur. Instituto Politécnico Nacional, Centro Interdisciplinario de Ciencias Marinas, La Paz, Baja California Sur, México. 346 pp.
- De la Cruz González, J., L. F. Beltrán-Morales, E. A. Aragón-Noriega, C. Salinas-Zavala, J. I. Urciaga-García, and M. Á. Cisneros-Mata. 2005. Socioeconomic analysis of the of jumbo squid and shrimp fishery in Guaymas. Page 107 in CICIMAR, IPN *Proceedings of the Symposium on Fishery Sciences in Mexico*. May 2–4, 2005. La Paz, Baja California Sur. 245 pp.
- Del Barco, Miguel. 1768. *Correcciones y adiciones a la historia o noticia de la California en su primera edición de Madrid, año de 1757*. (edited by M. León-Portilla under the title *Historia Natural y Crónica de la antigua California*; Universidad Nacional Autónoma de México, Instituto de Investigaciones Históricas, 1988; México, D.F.)
- Del Barco, Miguel. 1980 [ca. 1770-1780] *The Natural History of Baja California*. Translated by Froylán Tiscareno. Baja California Travel Series 43. Dawson's Book Shop, Los Angeles.
- Del Río-Portilla, M. A., C. E. Vargas-Peralta, D. A. Paz-García, F. Lafarga De La Cruz, E. F. Balart and F. J. García-de-León. 2014. The complete mitochondrial DNA of endemic Eastern Pacific coral (*Porites panamensis*). Mitochondrial DNA, doi: 10.3109/194017362014913166.
- Delebout, M. L., G. J. B. Ross, C. S. Baker, R. C. Anderson, P. B. Best, V. G. Cockcroft, H. L. Hinz, V. Peddemors, and R. L. Pitman. 2003. Appearance, distribution and genetic distinctiveness of Longman's beaked whale, *Indopacetus pacificus*. *Marine Mammal Science* 1 (3):421–461.
- De León-González, J. A., J. R. Bastida-Zavala, F. Carrera-Parral, M. E. García-Garza, A. Peña-Rivera, S. I. Salazar-Valejos and V. Solís-Weiss. 2009. Poliquetos (Annelida: Polychaeta) de México y America Tropical. Universidad Autónoma de Nuevo León, Monterrey, Mexico.
- Delgadillo-Hinojosa, F., V. Camacho-Ibar, M. A. Huerta-Díaz, V. Torres-Delgado, P. Pérez-Brunius, L. Lares, S. G. Marinone, J. A. Segovia, J. L. Peña-Manjarrez, E. García-Mendoza and R. Castro. 2015. Seasonal behavior of dissolved cadmium and Cd/PO₄ ratio in Todos Santos Bay: a retention site of upwelled waters in the Baja California Peninsula, Mexico. *Marine Chemistry* 168: 37-48.
- Delgadillo-Hinojosa, F., J. V. Macías-Zamora, J. A. Segovia-Zavala, and S. Torres-Valdés. 2001. Cadmium enrichment in the Gulf of California. *Marine Chemistry* 75:109–122.
- Delgado-Argote, L. A., M. López-Martínez, and M. C. Perilliat. 2000. Geologic reconnaissance and Miocene age of volcanism and associated fauna from sediments of Bahía de los Ángeles, Baja California, in H. Delgado-Granados, G. Aguirre-Gutiérrez, and J. Stock (eds.), *Cenozoic Tectonics and Volcanism of Mexico*. Geological Society of America, Special Paper 334:111–121.
- Delgado-Estrella, A., J. G. Ortega-Ortíz, and A. Sánchez-Ríos. 1994. Varamientos de mamíferos marinos durante primavera y otoño y su relación con la actividad pesquera. *Anales Instituto de Biología, Universidad Nacional Autónoma de México, serie Zoológica*, 65:287–295.

- Delgado-Grandados, H., G. Aguirre-Gutiérrez and J. Stock (eds.). 1994. *Cenozoic Tectonics and Volcanism of Mexico*. Geological Society of America, Special Paper 334.
- De Mets, C. 1995. A reappraisal of seafloor spreading lineations in the Gulf of California: implications for the transfer of Baja California to the Pacific Plate and estimates of Pacific-North America motion. *Geophysical Research Letters* 22:3545–3548.
- Del Monte-Luna, P., S. E. Lluch-Cota, C. J. Salvadeo and D. Lluch-Belda. 2011. Ecosystem-level effects of the small pelagics fishery in the Gulf of California. *CICMAR Oceanides* 26(1): 51-62.
- De Silva-Dávila, R., C. Franco-Gordo, F. G. Hochberg, E. Godínez-Domínguez, R. Avendaño-Ibarra, J. Gómez-Gutiérrez and C. J. Robinson. 2015. Cephalopod paralarval assemblages in the Gulf of California during 2004-2007. *Marrine Ecology Progress Series* 520: 123-141.
- De Silva-Dávila, R., F. G. Hochberg, A. R. Lindgren and M. Franco-Gordo. 2013. Paralarval development, abundance, and distribution of *Pterygioteuthis hoylei* (Cephalopoda: Oegopsida: Pyroteuthidae) in the Gulf of California, Mexico. *Molluscan Research* 33: 50-64.
- Des Lauriers, M. R. 2006. Terminal Pleistocene and Early Holocene occupations of Isla de Cedros, Baja California, Mexico. *Journal of Island and Coastal Archaeology* 1(2): 255-270.
- Desonie, D. L. 1992. Geologic and geochemical reconnaissance of Isla San Esteban: post-subduction orogenic volcanism in the Gulf of California. *Journal of Volcanology and Geothermal Research* 52: 123-140.
- Dettman, D. L., K. W. Flessa, P. D. Roopnarine, B. R. Schoene and D. H. Goodwin. 2004. The use of oxygen isotope variation in shells of estuarine mollusks as a quantitative record of seasonal and annual Colorado River discharge. *Cochimica et Cosmochimica Acta*, 68: 1253-1263.
- Dettman, D. L. and K. C. Lohmann. 1995. Approaches to microsampling carbonates for stable isotope and minor element analysis: physical separation of samples on a 20-micrometer scale. *Journal of Sedimentology and Petrology* A65: 566-569.
- Devitt, T. J. 2006. Phylogeography of the Western Lyresnake (*Trimorphodon biscutatus*): testing aridland biogeographical hypotheses across the Nearctic-Neotropic transition. *Molecular Ecology* 15: 4387-4407.
- DGE. 1993. Plan de Ordenamiento Ecológico del Estado de Baja California. Dirección General de Ecología, Gobierno del Estado de Baja California, México. 122 pp.
- Diario Oficial (Diario Oficial de la Federación)*. 1963. Decreto por el que se declara zona de reserva natural y refugio para la fauna silvestre, la Isla de Tiburón, situada en el Golfo de California. *Diario Oficial de la Federación*, México, D.F., 15 March 1963.
- Diario Oficial (Diario Oficial de la Federación)*. 1964. Decreto que declara zona de reserva natural y refugio de aves a Isla Rasa, Estado de Baja California. *Diario Oficial de la Federación*, México, D.F., 30 May 1964.
- Diario Oficial (Diario Oficial de la Federación)*. 1974. Decreto de zona de reserva, cultivo y/o repoblación para todas las especies de pesca, al área del delta del Río Colorado, en el Golfo de California, delimitada ésta por una línea imaginaria trazada de Este a Oeste, tangente al extremo Sur de isla Montague y Gore, desde las costas del Golfo de Santa Clara al litoral oriente de Baja California. *Diario Oficial de la Federación*, México, D.F., 30 May 1974.
- Diario Oficial (Diario Oficial de la Federación)*. 1978. Decreto por el que se establece una zona de reserva y refugio de aves migratorias y de la fauna silvestre en las islas que se relacionan, situadas en el Golfo de California. *Diario Oficial de la Federación*, México, D.F., 2 August 1978.

- Diario Oficial (Diario Oficial de la Federación)*. 1988. Ley General del Equilibrio Ecológico y la Protección al Ambiente. *Diario Oficial de la Federación*, México, D.F., 28 January 1988.
- Diario Oficial (Diario Oficial de la Federación)*. 1990. Acuerdo por el que se establece veda para las especies y subespecies de tortuga marina en aguas de jurisdicción Federal del Golfo de México y Mar Caribe, así como en las costas del Océano Pacífico, incluyendo el Golfo de California. *Diario Oficial de la Federación*, México, D.F., May 28, 1990.
- Diario Oficial (Diario Oficial de la Federación)*. 1991. “Artículo 254 bis al Código Penal.” México, *Diario Oficial de la Federación*, México, D.F., 30 Diciembre 1991.
- Diario Oficial (Diario Oficial de la Federación)*. 1993. Decreto por el que se declara área natural protegida con el carácter de Reserva de la Biosfera, la Región conocida como Alto Golfo de California y Delta del Río Colorado, ubicada en aguas del Golfo de California y los Municipios de Mexicali, B.C., de Puerto Peñasco y San Luis Río Colorado, Sonora. *Diario Oficial de la Federación*, México, D.F., 10 June 1993. pp. 24–28.
- Diario Oficial (Diario Oficial de la Federación)*. 1996a. Decreto por el que se declara área natural protegida con el carácter de parque marino nacional, la zona conocida como Bahía de Loreto, ubicada frente a las costas del Municipio de Loreto, Estado de Baja California Sur, con una superficie de 11,987–87–50 hectáreas. *Diario Oficial de la Federación*, México, D.F., 19 July 1996.
- Diario Oficial (Diario Oficial de la Federación)*. 1996b. Decreto que reforma, adiciona y deroga diversas disposiciones de la Ley General del Equilibrio Ecológico y la Protección al Ambiente. *Diario Oficial de la Federación*, México, D.F., 13 de diciembre de 1996.
- Diario Oficial (Diario Oficial de la Federación)*. 1999. Modificación a la Norma Oficial Mexicana 002-PESC-1993, Para ordenar aprovechamiento de las especies de camarón en aguas de jurisdicción federal de los Estados Unidos Mexicanos, publicada el 31 de diciembre de 1993. *Diario Oficial de la Federación*, México, D.F., 29 December 1999.
- Diario Oficial (Diario Oficial de la Federación)*. 2000a. Acuerdo que tiene por objeto dotar con una categoría acorde con la legislación vigente a las superficies que fueron objeto de diversas declaratorias de áreas naturales protegidas emitidas por el Ejecutivo Federal. *Diario Oficial de la Federación*, México, D.F., 7 de junio de 2000.
- Diario Oficial (Diario Oficial de la Federación)*. 2000b. Ley General de Vida Silvestre. *Diario Oficial de la Federación*, México, D.F. 4 Julio 2000.
- Diario Oficial (Diario Oficial de la Federación)*. 2000c. Norma Oficial Mexicana NOM-131-ECOL-1998. Que establece lineamientos y especificaciones para el desarrollo de actividades de observación de ballenas, relativas a su protección y conservación de su hábitat. *Diario Oficial de la Federación*, México, D.F., 10 Enero 2000 (Primera sección):11–17.
- Diario Oficial (Diario Oficial de la Federación)*. 2002a. Norma Oficial Mexicana NOM-059–2001. Protección ambiental de especies nativas de México de flora y fauna silvestres, categorías de riesgo y especificaciones para su inclusión, exclusión o cambio. Secretaría del Medio Ambiente y Recursos Naturales. México, D.F.
- Diario Oficial (Diario Oficial de la Federación)*. 2002b. Decreto por el que se reforman diversas disposiciones de la Ley General de Vida Silvestre. *Diario Oficial de la Federación*, México, D.F., 10 Enero 2002.
- Diario Oficial (Diario Oficial de la Federación)*. 2002c. Acuerdo por el que se establece como área de refugio para proteger a las especies de grandes ballenas de los subórdenes Mysticeti y Odontoceti, las zonas marinas que forman parte del territorio nacional y aquellas sobre las

- que la nación ejerce su soberanía y jurisdicción. *Diario Oficial de la Federación*, México, D.F., 24 Mayo 2002.
- Diario Oficial (Diario Oficial de la Federación)*. 2004. Acuerdo mediante el cual se aprueba la actualización de la Carta Nacional Pesquera y su Anexo. Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación. Segunda Sección. 504 pp.
- Diario Oficial (Diario Oficial de la Federación)*. 2007. NORMA Oficial Mexicana, NOM-063-PEWSC-2005, pesca responsable de curvina golfina (*Cynoscion othonopterus*) en aguas de jurisdicción federal del Alto Golfo de California y Delta del Río Colorado. Especificaciones para su aprovechamiento. Publ. DOF, 16 de Agosto de 2007. 7 pp.
- Díaz de León-Corral, A. and M. A. Cisneros-Mata. 2000. Buzón del futuro: la Carta Nacional Pesquera. *Desarrollo Sustentable (Instituto Nacional de Ecología, SEMARNAP, México, D.F.)* 2 (16):10–12.
- Díaz-Uribe, J. G., V. M. Valdez-Ornelas, G. D. Danemann, E. Torreblanca-Ramírez, A. Castillo-López and M. A. Cisneros-Mata. 2013. Regionalización de la pesca ribereña en el Noroeste de México como base práctica para su manejo. *Ciencia Pesquera* 21(1): 41-54.
- Dickinson, W. R. 1977. Tectonic implications of Cenozoic volcanism in coastal California *Bull. Geol. Soc. Amer.* 109: 936-954.
- Dill, W. A. 1941. The fishery of the lower Colorado River.” *California Fish and Game* 30: 109:211.
- DiPeso, C. C. and D. S. Matson. 1965. The Seri Indians in 1692 as described by Adamo Gilg, S. J. *Arizona and the West* 7: 33-56.
- Dixon, J. R. 1964. The systematics and distribution of lizards of the genus *Phyllodactylus* in North and Central America. *New Mexico State University Research Center, Scientific Bulletin* 64-1: 1-139.
- Dixon, J. R. 1966. Speciation and systematics of the gekkonid lizard genus *Phyllodactylus* of the islands in the Gulf of California. *Proceedings of the California Academy of Sciences*, ser. 4: 415-452.
- Dixon, T. F. Farina, C. DeMets, F. Suarez Vidal, J. Fletcher, B. Marquez-Azua, M. Miller and P. Umhoefer. 2000. New kinematic models for Pacific-North America motion from 3 Ma to present: evidence for a “Baja California shear zone.” *Geophysical Research Letters* 27: 3961-3964.
- Dizon, A. E., C. A. Lux, R. G. Leduc, J. Urbán, M. Henshaew, and R. L. Brownell. 1995. An interim phylogenetic analysis of sei and Bryde’s whale mitochondrial DNA control region sequences. Paper SC/47/NP23 presented at the Scientific Committee of the International Whaling Commission. Unpublished 12 pp.
- Dodd, N. L. and J. R. Vahle. 1998. Osprey (*Pandion haliaetus*). Pp. 37–41 in R. L. Glinski (ed.), *The Raptors of Arizona*. University of Arizona Press, Tucson.
- DOF (Diario Oficial de la Federación). 2007. NORMA Oficial Mexicana, NOM-063-PEWSC-2005, pesca responsable de curvina golfina (*Cynoscion othonopterus*) en aguas de jurisdicción federal del Alto Golfo de California y Delta del Río Colorado. Especificaciones para su aprovechamiento. Publ. DOF, 16 de Agosto de 2007. 7 pp.
- Dolby, G. A., S. E. K. Bennett, A. Lira-Noriega, B. T. Wilder and A. Munguía-Vega. 2015. Assessing the geological and climatic forcing of biodiversity and evolution surrounding the Gulf of California. *J. Southwest* 57: 391-455.
- Dominguez-Contreras, J. F., A. Munguía-Vega, B. Ceballos-Vázquez, M. Arellano-Martínez and M. Culver. 2014. Characterization of microsatellite loci from two-spotted octopus *Octopus*

- bimaculatus* Verrill 1883 from pyrosequencing reads. Conservation Genetics Resources 6: 465-468.
- Dorsey, R. J. 2010. Sedimentation and crustal recycling along an active oblique-rift margin: Salton Trough and northern Gulf of California. *Geology* 38(5): 443-446.
- Dorsey, R. J., R. Castro, J. Fletcher, D. Lizarralde and P. J. Umhoefer. 2006. Report on RCL-Cortez Workshop: Lithospheric rupture in the Gulf of California—Salton Trough region. *Margins Newsletter* 16: 9-12
- Dorsey, R. J., A. Fluette, K. McDougall, et al. 2007. Chronology of Miocene-Pliocene deposits at Split Mountain Gorge, Southern California: a record of regional tectonics and Colorado River Evolution. *Geology* 35: 57-60.
- Dorsey, R. J. and P. I. Umhoefer. 2000. Tectonic and eustatic controls on sequence stratigraphy of the Pliocene Loreto Basin, Mexico. *Geological Society of America, Bulletin* 112: 177-199.
- Dorsey, R. J., P. J. Umhoefer, J. C. Ingle, Jr. and L. Mayer. 2001. Pliocene stratigraphic evolution of northeastern Carmen Island, Gulf of California: implications for oblique-rifting tectonics. *Sedimentary Geology* 144: 97-123.
- Dorsey, R. J., P. J. Umhoefer and P. R. Renne. 1995. Rapid subsidence and stacked Gilbert-type fan deltas, Pliocene Loreto Basin, Baja California Sur, Mexico. *Sedimentary Geology* 98: 181-204.
- Douglas, M. W., R. A. Maddox and K. Howard. 1993. The Mexican monsoon. *Journal Climate* 6: 1665-1677.
- Douglas, R., O. Gonzalez-Yajimovich, J. Ledesma-Vazquez and F. Staines-Urias. 2007. Climate forcing, primary production and the distribution of Holocene biogenic sediments in the Gulf of California. *Quaternary Science Reviews* 26: 115-129.
- Dozier, C. L. 1963. Mexico's transformed northwest: The Yaqui, Mayo and Fuerte examples. *Geographical Reviews* 53:548–571.
- Duberstein, J. N. and A. Lira-Noriega. 2015. Human dimensions of research in the Sonoran Desert: Next generation Sonoran Desert researchers. *J. Southwest* 57: 187-198.
- Duberstein, J. N., Jiménez-Serranía V., Pfister, T. A., Lindquist, K. E. & Meltzer, L. M. (2005). Breeding Double-Crested Cormorants and Wading Birds on Isla Alcatraz, Sonora, México. USDA Forest Service Gen. Tech. Rep. PSW-GTR-191.
- Due, A. D. and G. A. Polis. 1986. Trends in scorpion diversity along the Baja California Peninsula. *American Naturalist* 128: 460-468.
- Dumitru, T. A., P. B. Gans, D. A. Foster and E. L. Miller. 1991. Refrigeration of the western Cordilleran lithosphere during Laramide shallow-angle subduction. *Geology* 19: 1145-1148.
- Dungan, M. L. 1985. Competition, and the morphology, ecology, and evolution of acorn barnacles: an experimental test. *Paleobiology* 11:165–173.
- Dunham, J. B. and W. L. Minckley. 1997. Allozymic variation in desert pupfish. *Biological Conservation* 84: 7-15.
- Dunn, J. R. 1997. Charles Henry Gilbert (1859–1928): pioneer ichthyologist of the American West. Pp. 265–278 in T. W. Pietsch and W. D. Anderson, Jr. (eds.), *Collection Building in Ichthyology and Herpetology*. American Society of Ichthyologists and Herpetologists Special Publication 3, Lawrence, Kansas, xiii + 593 pp.
- Durham, J. W. 1947. Corals from the Gulf of California and the North Pacific Coast of America. *The Geological Society of America Memoir* 20.

- Durham, J. W. 1950. E. W. Scripps Cruise to the Gulf of California, Part II Megascopic paleontology and marine stratigraphy. Geological Society of America Memoir 43.
- Early Capistran, M. M. 2014. Amazons, pirates and turtles on the Island of California. The Appendix Vol. 2 No. 4, October. <http://theappendix.net/issues/2014/10/amazons-pirates-and-turtles-on-the-island-of-california>.
- Eberly, L. D. and T. B. Stanley, Jr. 1978. Cenozoic stratigraphy and geological history of southwestern Arizona. Geological Society of America Bulletin 89: 921-940.
- Eckert, S. A., K. L. Eckert, P. Ponganis, and G. L. Kooyman. 1989. Diving and foraging behavior of leatherback sea turtles (*Dermochelys coriacea*). Canadian Journal of Zoology 67:2834–2840.
- Eckert, S. A. and L. Sarti. 1997. Distant fisheries implicated in the loss of the world's largest leatherback nesting population. Marine Turtle Newsletter 78:2–7.
- Eder, T. and I. Sheldon. 2002. *Whales and other Marine Mammals of California and Baja*. Lone Pine Publishing, Renton, WA.
- Edwards, R. R. C. 1978. The fishery and fisheries biology of penaeid shrimp on the Pacific coast of Mexico. Annual Reviews, Marine Biology 16:145–180.
- Ehrhardt, N. M. 1991. Potential impact of a seasonal migratory jumbo squid (*Dosidicus gigas*) stock on a Gulf of California sardine (*Sardinops sagax caeruleus*) population. Bulletin of Marine Science 49 (1/2):325–332.
- Ehrhardt, N. M., P. S. Jacquemin, F. García, G. González, J. M. López, J. Ortriz, and A. Solis. 1983. On the fishery and biology of the giant squid *Dosidicus gigas* in the Gulf of California, Mexico. Pp. 306–340 in J. F. Caddy (ed.), Advances in Assessment of World Cephalopod Resource. FAO Fisheries Technical Paper No. 231.
- Ehrhardt, N. M., P. S. Jacquemin, D. G. González, R. P. Ulloa, B. F. García, C. J. Ortiz and N. A. Solis. 1982. Descripción de la pesquería del calamari gigante *Dosidicus gigas* durante 1980 en el Golfo de California. Flota y poder de pesca. Ciencia Pesquera 3: 41-60.
- Ehrlich, H., M. Ilan, M. Maldonado, G. Muricy, G. Bavestrello, Z. Kljajic, J. L. Carballo and others. 2010. Three dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part I. Isolation and Identification of chitin. International Journal of Biological Macromolecules 47(2):132-40.
- Ehrlich, H., E. Steck, M. Ilan M. Maldonado G. Muricy, G. Bavestrello, Z. Kljajic, J. L. Carballo and others. 2010. Three dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part II. Biomimetic Potential and Applications. International Journal of Biological Macromolecules 47(2):141-5.
- Ellingson, R. A., C. C. Swift, L. T. Findley and D. K. Jacobs. 2013. Convergent evolution of ecomorphological adaptations in geographically isolated bay gobies (Teleostei: Gobionellidae) of the temperate North Pacific. Molecular Phylogenetics and Evolution, in press <http://dx.doi.org/10.1016/j.ympev.2013.10.009>.
- Emhoff, K. F., M. E. Johnson, D. H. Backus and J. Ledesma-Vázquez. 2012. Pliocene stratigraphy at Paredones Blancos: significance of a massive crushed-rhodolith deposit on Isla Cerralvo, Baja California Sur (Mexico). Journal of Coastal Research 28: 234-243.
- Emilsson, I. and M. A. Alatorre. 1997. Evidencias de un remolino ciclónico de mesoescala en la parte sur del Golfo de California. Pp. 173–182 in M. F. Lavín (ed.), Contribuciones a la Oceanografía Física en México, Unión Geofísica Mexicana, Monografía 3, Ensenada.
- Engel, J. and R. Kvitek. 1998. Effects of otter trawling on a benthic community in Monterey Bay National Marine Sanctuary. Conservation Biology 12 (6):1204–1214.

- Engilis, A. Jr., L. W. Oring, E. Carrera, J. W. Nelson, and A. M. Lopez. 1998. Shorebird surveys in Ensenada Pabellones and Bahía Santa Maria, Sinaloa, Mexico: critical winter habitats for pacific flyway shorebirds. *Wilson Bulletin* 110: 332-341.
- Enríquez, S., E. Ávila and J. L. Carballo. 2009. Phenotypic plasticity induced in transplant experiments in a mutualistic association between the red alga *Jania adhaerens* (Rhodophyta, Corallinales) and the sponge *Haliclona caerulea* (Porifera: Haplosclerida): Morphological responses of the alga. *Journal of Phycology*. 45: 81-90.
- Enríquez-Andrade, R., G. Anaya-Reyna, J. C. Barrera-Guevara, M. A. Carvajal-Moreno, Martínez-Delgado, J. Vaca-Rodriguez and C. Valdés-Casillas. 2005. An analysis of critical areas for biodiversity conservation in the Gulf of California Region. *Ocean and Coastal Management* 48:31–50.
- Epple, A. O., J. F. Wiens and L. E. Epple. *Plants of Arizona, 2nd ed.* Falcon Guides, Helena, Montana.
- Erisman, B.E., O. Aburto-Oropeza, C. Gonzalez-Abraham, I. Mascareñas-Osorio, M. Moreno-Baez and P.A. Hastings. 2011. Spatio-temporal dynamics of a fish spawning aggregation and its fishery in the Gulf of California. *Nature Scientific Reports* 2: 284 DOI: 10.1038/srep00284.
- Erisman, B., O Aburto-Oropeza, C. Gonzalez-Abraham, I. Mascareñas-Osorio, M. Moreno-Baez and P. Hastings. 2012. Satellite tracking a massive spawning migration. *Nature Reports* 2: 284, DOI: 10.1038/srep00284
- Erisman, B., Aburto-Oropeza, C. Gonzalez-Abraham, I. Mascareñas-Osorio, M. Moreno-Baez and P. Hastings. 2012. Satellite tracking a massive spawning migration. *Nature Reports* 2: 284, DOI: 10.1038/srep00284
- Erisman, B., Aburto-Oropeza, C. Gonzalez-Abraham, I. Mascareñas-Osorio, M. Moreno-Báez and P. Hastings. 2012. Spatio-temporal dynamics of a fish spawning aggregation and its fishery in the Gulf of California. *Science Reports* 2, 284; DOI:10.1038/srep00284.
- Erisman, B., M. Buckhorn and P. Hastings. 2007. Spawning behavior and periodicity in the leopard grouper, *Mycteroperca rosacea*, from the central Gulf of California, Mexico. *Marine Biology* 151:1849–1861.
- Erisman, B. E., M. C. Craig & P. A. Hastings. 2010. Reproductive biology of the Panama Graysby, *Cephalopholis panamensis* (Teleostei: Epinephelidae). *Journal of Fish Biology* 76:1312-1328.
- Erisman B., G. Galland, I. Mascareñas, J. Moxley, H. J. Walker, O. Aburto- Oropeza, P. Hastings and E. Ezcurra. 2011. List of coastal fishes of Islas Marías archipelago, Mexico, with comments on taxonomic composition, biogeography, and abundance. *Zootaxa* 2985: 26–40.
- Erisman B., A. Gustavo, T. Paredes, J. J. Tomas Plomozo-Lugo, P. Cota-Nieto, P. Hastings and O. Aburto-Oropeza. 2011. Spatial structure of commercial marine fisheries in Northwest Mexico. *ICES Journal of Marine Sciences*, doi:10.1093/icesjms/fsq179.
- Erisman, B., I. Mascareñas-Osorio, C. López-Sagástegui, M. Moreno-Báez, V. Jiménez-Esquível and O. Aburto-Oropeza. 2015. A comparison of fishing activities between two coastal communities within a biosphere reserve in the Upper Gulf of California. *Fisheries Research* 164: 254-265.
- Erisman B., I. Mascareñas, G. Paredes, Y. Sadovy de Mitcheson, O. Aburto-Oropeza, P. Hastings. 2010. Seasonal, annual, and long term trends in commercial fisheries for aggregating reef fishes in the Gulf of California, Mexico. *Fisheries Research* 106: 279-288.

- Erismán B., G. A. Paredes, T. Plomozo-Lugo, J. J. Cota-Nieto, P. A. Hastings & O. Aburto-Oropeza. 2011. Spatial structure of commercial marine fisheries in Northwest Mexico. *ICES Journal of Marine Sciences*, doi:10.1093/icesjms/fsq179.
- Erismán, B.E., J. A. Rosales Casian, and P. A. Hastings. 2008. Evidence of gonochorism in a grouper, *Mycteroperca rosacea*, from the Gulf of California, Mexico. *Environmental Biology of Fishes* 82:23–33.
- Ernst, C. H. and R. W. Barbour. 1989. *Turtles of the World*. Smithsonian Institution Press, Washington, D.C.
- Eros, J. M., M. E. Johnson and D. H. Backus. 2006. Rocky shores and development of the Pliocene-Pleistocene Arroyo Blanco Basin on Isla Carmen in the Gulf of California, Mexico. *Canadian Journal of Earth Sciences* 43:1149-1164.
- Escalante-Almazán, F. I., J. E. Valdez-Holguín, S. Álvarez-Borrego and J. R. Lara-Lara. 2013. Temporal and spatial variation of sea surface temperature, chlorophyll a, and primary productivity in the Gulf of California. *Ciencias Marinas* 39(2):203-215.
- Escalante-Pliego, B. P., 1988. *Aves de Nayarit*. Universidad Autónoma de Nayarit, Tepic, Nayarit, Mexico.
- Escalona-Alcázar, F. J. and L. A. Delgado-Argote. 1998. Descripción estratigráfica de la zona El Paladar y litología de la isla Ángel de la Guarda, Golfo de California. *GEOS, Unión Geofísica Mexicana, A.C.*, September, 197–205.
- Escalona-Alcázar, F. J., L. A. Delgado-Argote, M. López-Martínez, and G. Rendón-Márquez. 2001. Late Miocene volcanism and marine incursions in the San Lorenzo Archipelago, Gulf of California, Mexico. *Revista Mexicana de Ciencias Geológicas* 18 (2):111–128.
- Espinosa, M., J. A. Nourse, W. R. Premo and A. Iriondo. 2009. Stratigraphy, structure, and U-Pb geochronology of paleoproterozoic gneisses in Sierra Hornaday and Cerro el Aguila, NW Sonora, Mexico. *Fingerprints at the truncated margin of Laurentia*, Geological Society of America, Abstracts with Program, v. 37, no. 4, p. 57.
- Espino-Barr, E., A. García-Boa, E. G. Cabral-Solis and M. Puente-Gómez. 2007. La pesca ribañera en las costa de Jalisco, México. Pp. 514-524 in, M. C. Jiménez-Quiróz and E. Espino-Barr (eds.), *Los Recursos Pesqueros y Acuícolas de Jalisco, Colima, y Michoacán*. Instituto Nacional de Pesca, México.
- Espinosa-Carreón, T. L. and P. T. Strub. 2004. Seasonal and interannual variability of satellite-derived chlorophyll pigment, surface height, and temperature off Baja California. *Journal of Geophysical Research* 109, C03039, doi:10.1029/2003JC002105.
- Espinosa-Pérez, M. del C. and M.E. Hendrickx. 1999. Isópodos. *Biodiversitas*. 25: 1–6.
- Espinosa-Pérez, M. del C. and M.E. Hendrickx. 2001a. A new species of *Exosphaeroma* Stebbing (Crustacea: Isopoda: Sphaeromatidae) from the Pacific coast of Mexico. *Proceedings of the Biological Society of Washington* 114 (3):640–648.
- Espinosa-Pérez, M. del C. and M.E. Hendrickx. 2001b. Checklist of isopods (Crustacea: Peracarida: Isopoda) from the eastern tropical Pacific. *Belgian Journal of Zoology* 131 (1): 41–54.
- Espinosa-Pérez, M. del C. and M.E. Hendrickx. 2002. Distribution and ecology of isopods (Crustacea: Peracarida: Isopoda) of the Pacific coast of Mexico. Pp. 95–104 in: E. Escobar-Briones and F. Alvarez (eds.), *Modern Approaches to the Study of Crustacea*. Kluwer Academic Publishers.

- Espinosa-Pérez, M. del C. and M.E. Hendrickx. 2006. A comparative analysis of biodiversity and distribution of shallow water marine isopods (Crustacea: Isopoda) from polar and temperate waters in the East Pacific. *Belgian Journal of Zoology* 136(2): 219–247.
- Espinosa-Romero, M. J., L. F. Rodríguez, A. H. Weaver, C. Villanueva-Aznar and J. Torre. 2014. The changing role of NGOs in Mexican small-scale fisheries: From environmental conservation to multi-scale governance. *Marine Policy* 50: 290-299.
- Estados Unidos Mexicanos. 1993. *Ley General del Equilibrio Ecológico y la Protección al Ambiente*. Editorial Porrúa, México, D.F.
- Evermann, B. W. and O. P. Jenkins. 1891. Report upon a collection of fishes made at Guaymas, Sonora, Mexico, with descriptions of new species. *Proceedings United States National Museum* 14 (no. 846): 121–165.
- Evertt, W. T. and D. W. Anderson. 1991. Status and conservation of the breeding seabirds on offshore Pacific islands of Baja California and the Gulf of California. Pp. 115–139 in J. P. Croxall (ed.), *Seabird Status and Conservation: A Supplement*. International Council for Bird Preservation, Technical Publication No. 11. Cambridge, U.K.
- Ezcurra, E. 2003. Conservation and sustainable use of natural resources in Baja California. Pp. 279–296 in J. G. Nelson, J.C. Day, and L. Sportza (eds.). *Protected Areas and the Regional Planning Imperative in North America*. University of Calgary Press and Michigan State University Press, Calgary, Alberta.
- Ezcurra, E. 2007. Hornaday, Lumholtz, and the grandeur of nature. In “Science on Desert and Lava: A Pinacate Centennial, Part I,” Special Issue of *Journal of the Southwest* 49(2): 135–140.
- Ezcurra E., O. Aburto-Oropeza, L. Rosenzweig. 2009. Los riñones del mundo: ¿por qué debemos proteger los manglares de México? *Investigacion Ambiental* 1(2): 202-206.
- Ezcurra, E., L. Bourillón, A. Cantú, M. E. Martínez, and A. Robles. 2002. Ecological Conservation. Pp. 417–444 in T. Case, M. Cody, and E. Ezcurra (eds.). *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Ezcurra, E., M. Equihua and J. López-Portillo. 1987. The desert vegetation of El Pinacate, Sonora, Mexico. *Vegetation* 71: 49-60.
- Ezcurra, E., R.S. Felger, A. Russell and M. Equihua. 1988. Freshwater islands in a desert sand sea: the hydrology, flora and phytogeography of the Gran Desierto Oases of Northwestern Mexico. *Desert Plants* 9(2):35–44, 55–63.
- Ezcurra, E., H. Fujita, E. Hambleton, and R. Ogarrio (eds.). 2003. *Isla Espiritu Santo. Evolución, rescate y conservación*. Fundación Mexicana para la Educación Ambiental, México, D.F. 144 pp.
- Ezcurra, E. and V. Rodríguez. 1986. Rainfall patterns in the Gran Desierto, Sonora, Mexico. *Journal of Arid Environments* 10(1):13–28.
- FAO (Food and Agriculture Organization of the United Nations). 1995. *Code of Conduct for Responsible Fisheries*. Rome. 41 pp.
- Farmer, W. 1968. *Tidepool Animals from the Gulf of California*. Wesword Company, San Diego, CA.
- Fauchald, K. 1977. *The Polychaete Worms—Definitions and Keys to the Orders, Families and Genera*. Natural History Museum, Los Angeles County, CA.
- Faulds, J. E., K. A. Howard and E. M. Duebendorfer. 2008. Cenozoic evolution of the abrupt Colorado Plateau-Basin and Range boundary, northwest Arizona: A tale of three basins, immense lacustrine-evaporite deposits, and the nascent Colorado River. Pp. 119-151 in, E.

- M. Duebendorfer and E. I. Smith (eds.), *Field Guide to Plutons, Volcanoes, Faults, Reefs, Dinosaurs and Possible Glaciation in Selected Areas of Arizona, California, and Nevada*. Geological Society of America, Field Guide 11.
- Faulds, J. E., B. C. Schreiber, S. J. Reynolds, L. Gonzalez and D. Okaya. 1997. Origin and paleogeography of an immense, nonmarine Miocene salt deposit in the Basin and Range (western USA). *Journal of Geology* 105: 19-36.
- Faulk, O. B. (ed.). 1969. *Derby's Report on the Opening of the Colorado 1850-1851*. University of New Mexico Press, Albuquerque, NM.
- Fay, N. P. and E. D. Humphreys. 2005. Fault slip rates, effects of elastic heterogeneity on geodetic data, and the strength of the lower crust in the Salton Trough region, southern California. *Journal of Geophysical Research* 110, B09401, doi: 10.1029/2004JB003548.
- Fehlberg, S. D. and T. A. Ranker. 2009. Evolutionary history and phylogeography of *Encilia farinosa* (Asteraceae) from the Sonoran, Mojave, and Peninsular Deserts. *Molecular Phylogenetics and Evolution* 50: 326-335.
- Felger, R. S. 1980. Vegetation and flora of the Gran Desierto, Sonora, Mexico. *Desert Plants* 2:87-114.
- Felger, R. S. 1999. The flora of Cañon del Nacapule: a desert-bounded tropicsal canyon near Guaymas, Sonora, Mexico. *Proceedings, San Diego Society of Natural History* 35: 1-42.
- Felger, R. S. 2000. *Flora of the Gran Desierto and Rio Colorado of Northwestern Mexico*. University of Arizona Press, Tucson.
- Felger, R. S. 2000. The Seris and the guy who cuts the tops off plants. *Journal of the Southwest* 42: 521-543.
- Felger, R. S. 2001. Coastal Wetlands. Pp. 159-181 in P. Robles Gil, E. Ezcurra, and E. Mellink (eds.), *The Gulf of California, a World Apart*. Agrupación Sierra Madre. Mexico, D.F.
- Felger, R. S. 2007. Living resources at the center of the Sonoran Desert: Native American plant and animal utilization. Pages 147-192, in Felger & Broyles, editors, *Dry Borders: Great Natural Reserves of the Sonoran Desert*. University of Utah Press.
- Felger, R. S. and B. Broyles (eds.). 2007. *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake City, UT.
- Felger, R. S., K. Clifton, and P. J. Regal. 1976. Winter dormancy in sea turtles: independent discovery and exploitation in the Gulf of California, Mexico, by two local cultures. *Science* 191:283-285.
- Felger, R.S., M.B. Johnson, M.F. Wilson. 2000. *The Trees of Sonora, México*. Oxford University Press, Oxford.
- Felger, R. S. and E. Joyal. 1999. The palms (Arecaceae) of Sonora, Mexico. *Aliso* 18:1-18.
- Felger, R. S. and C. H. Lowe. 1976. The island and coastal vegetation and flora of the northern part of the Gulf of California. *Natural History Museum of Los Angeles County, Contributions in Science* No. 285.
- Felger, R. S. and M. B. Moser. 1970. Seri use of Agave. *Kiva* 35: 159-167.
- Felger, R. S. and M. B. Moser. 1973. Eelgrass (*Zostera marina* L.) in the Gulf of California: discovery of its nutritional value by the Seri Indians. *Science* 181:355-356.
- Felger, R. S. and M. B. Moser. 1974. Columnar cacti in Seri culture. *Kiva* 39: 257-275.
- Felger, R. S. and M. B. Moser. 1974. Seri Indian pharmacopeia. *Economic Botany* 28: 414-436.
- Felger, R. S. and M. B. Moser. 1976. Seri Indian food plants: desert subsistence without agriculture. *Ecology of Food and Nutrition* 5(1): 13-27.

- Felger, R. S. and M. B. Moser. 1985. *People of the Desert and Sea: Ethnobotany of the Seri Indians*. University of Arizona Press. Tucson. 438 pp. (reprinted 1991).
- Felger, R. S. and M. B. Moser. 1987. Sea turtles in Seri Indian culture. *Environment Southwest*, Autumn, pp. 18–21.
- Felger, R. S., M. B. Moser, and E. W. Moser. 1980. Seagrasses in Seri Indian Culture. Pp. 260–276 in R. C. Phillips and C. P. McRoy (eds.), *Handbook of Seagrass Biology, and Ecosystem Perspective*. Garland STPM Press, New York.
- Felger, R. S., W. J. Nichols, and J. A. Seminoff. 2004. Sea turtle conservation, diversity and desperation in northwestern Mexico. In J.-L. Cartron, G. Ceballos, and R. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Felger, R. S., W. J. Nichols, and J. A. Seminoff. 2005. Sea turtles in Northwestern Mexico: Conservation, Ethnobiology, and Desperation. Pp. 405–424 in J.-L.E. Cartron, G. Ceballos, and R.S. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northwestern Mexico*. Oxford University Press, New York.
- Felger, R. S., P. L. Warren, L. S. Anderson, and G. P. Nabhan. 1992. Vascular plants of a desert oasis: flora and ethnobotany of Quitobaquito, Organ Pipe Cactus National Monument, Arizona. *Proceedings of the San Diego Society of Natural History*, 8.
- Felger, R. S., B. T. Wilder and J. P. Gallo-Reynosa. 2011. Floristic diversity and long-term vegetational dynamics of San Pedro Nolasco Island, Gulf of California, Mexico. *Proceedings San Diego Society Natural History*, 43: 1–42.
- Felger, R. S. and B. T. Wilder (in collaboration with H. Romero-Morales). 2012. *Plant Life of a Desert Archipelago: Flora of the Sonoran Islands in the Gulf of California*. University of Arizona Press, Tucson, AZ.
- Félix-Ortiz, M. E. Siu-Quevedo, N. Castañeda-Lomas, G. Rodríguez-Domínguez, G. Rodríguez-Montes de Oca and E. A. Aragón-Noriega. 2014. Species composition and timing of penaeid shrimp postlarvae (Decapoda, Penaeidae) in two zones of the Mexican Pacific coast. *Crustaceana* 87(7): 801-813.
- Ferguson, M. C., J. Barlow, S. B. Reilly, and T. Gerrodette. 2006. Predicting Cuvier's (*Ziphius cavirostris*) and mesoplodon beaked whale population density from habitat characteristics in the eastern tropical Pacific Ocean. *Journal of Cetacean Research and Management* 7 (3):287–299.
- Fernández, G. J., R. Carmona, and H. de la Cueva. 1998. Abundance and seasonal variation of western sandpipers (*Calidris mauri*) in Baja California Sur, Mexico. *Southwestern Naturalist* 43: 57-61.
- Fernández-Rivera Melo, F. J., A. Hernández-Velasco, M. Luna, A. Lejbowicz and A. Sáez-Arroyo. 2012. Protocolo de monitoreo para reservas marinas del Golfo de California. Comunidad y Biodiversidad, AC, Programa Península de Baja California. La Paz BCS, México.
- Ferrari, L. 1995. Miocene shearing along the northern boundary of the Jalisco Block and the opening of the southern Gulf of California. *Geology* 23: 751-754.
- Ferrari, L. M. Valencia-Moreno and S. Bryan. 2007. Magmatism and tectonics of the Sierra Madre Occidental and its relation with the evolution of the western margin of North America. Pp. 1-39 in, S. A. Alaniz-Alvarez and A. F. Nieto-Smaniego (eds.), *Geology of México: Celebrating the Centenary of the Geological Society of México*. Geological Society of America, Spec. Pa. 422.

- Ferrusquía-Villafranca, I., and V. Torres-Roldán. 1980. El registro de mamíferos terrestres del Mesozoico y Cenozoico de Baja California. Universidad Nacional Autónoma de México, Instituto de Geología, Revista 4:56–62.
- Figueroa, A., J. Alvarado, F. Hernández, G. Rodríguez, and J. Robles. 1993. The ecological recovery of sea turtles of Michoacán, Mexico. Special attention to the black turtle (*Chelonia agassizi*). Final Report to WWF-USFWS, Albuquerque. 96 pp.
- Filloux, J. H. 1973. Tidal patterns and energy balance in the Gulf of California. *Nature* 243:217–221.
- Findley, L. T. 1976. Aspectos ecológicos de los esteros con manglares en Sonora y su relación con la explotación humana/[Ecological aspects of mangrove estuaries in Sonora and their relation to human exploitation]. Pp. 95–106 in B. Braniff and R. S. Felger (eds.). *Sonora: Antropología del Desierto*. Instituto Nacional de Antropología e Historia, México, D. F., Serie Científica Diversa No. 27.
- Findley, L. 2010. *Totoaba macdonaldi*. The IUCN Red List of Threatened Species 2010: e.T22003A9346099.
<http://dx.doi.org/10.2305/IUCN.UK.20103.RLTS.T22003A9346099.en>.
- Findley, L. T., P. A. Hastings, A. M. van der Heiden, R. Güereca, J. Torre and D. A. Thompson. 1997. Abstract: Distribution of endemic fishes of the Gulf of California, Mexico. Pp. 130 in, Abstracts, 77th Annual Meeting of the American Society of Ichthyologists and Herpetologists, Seaattle, WA.
- Findley, L. T. and O. Vidal. 2002. Gray whale (*Eschrichtius robustus*) at calving sites in the Gulf of California. *Journal of Cetacean Research and Management* 14(1): 27–40.
- Fischer, W., F. Krupp, W. Schneider, C. Sommer, K. E. Carpenter, and V. H. Niem (eds.). 1995. *Guía FAO Para la Identificación de Especies para los Fines de la Pesca, Pacífico Centro-Oriental, Volumen I, Plantas e Invertebrados*. Organización de las Naciones Unidas para la Agricultura y la Alimentación, Roma.
- Fischer, W., F. Krupp, W. Schneider, C. Sommer, K. E. Carpenter, and V. H. Niem (eds.). 1995. *Guía FAO para la identificación para los fines de la pesca. Pacífico centro-oriental. Volumen II. Vertebrados—Parte 1:647–1200; Volumen III. Vertebrados*. Organización de las Naciones Unidas para la Agricultura y la Alimentación, Roma.
- Fischer, W., F. Krupp, W. Schneider, C. Sommer, K. E. Carpenter, and V. H. Niem (eds.). 1995. *Guía FAO Para la Identificación de Especies para los Fines de la Pesca, Pacífico Centro-Oriental, Volumen 3, Vertebrados Parte 2*. Organización de las Naciones Unidas para la Agricultura y la Alimentación, Roma.
- Fisher, A. T., E. Giambalvo, J. Sclater, M. Kastner, B. Ransom, Y. Weinstein and P. Lonsdale. 2001. Heat flow, sediment and pore fluid chemistry, and hydrothermal circulation on the east flank of Alarcon Ridge, Gulf of California. *Earth Planetary Science Letters* 188:: 521-534.
- Fite, E. D. and A. Freeman. 1926. *A Book of Old Maps*. Harvard University Press, Cambridge, MA.
- Flanagan, C. A. and J. R. Hendrickson. 1976. Observations on the commercial fishery and reproductive biology of the totoaba, *Cynoscion macdonaldi*, in the northern Gulf of California. *Fishery Bulletin* 74:531–554.
- Fleischer, L. 1996. Mexico progress report on cetacean research. April 1994 to March 1995. Report of the International Whaling Commission 46: 262-265.

- Fleischer, L., R. Moncada Cooley, H. Pérez-Cortés Moreno and A. Polanco Ortíz. 1996. Análisis de la mortalidad incidental de la vaquita, *Phocoena sinus*. Historia y actualidad (April de 1994). *Ciencia Pesquera* 13: 78-82.
- Fleischer, L. and H. Pérez-Cortés. 1996. Diagnosis del recurso vaquita, *Phocoena sinus*. *Ciencia Pesquera* 13: 83-86.
- Fletcher, J. M. and L. Munguia. 2000. Active continental rifting in southern Baja California, Mexico: implications for plate motion partitioning and the transition to seafloor spreading in the Gulf of California. *Tectonics* 19(6): 1107-1123.
- Fleischner, T. L. and H. River Gates. 2009. Shorebird use of Estero Santa Cruz, Sonora, México: Abundance, diversity and conservation implications. *Waterbirds* 32(1): 36-43.
- Fleming, T. H. 2000. Pollination of cacti in the Sonoran Desert. *American Scientist* 88(5): 432-439.
- Fleming, T. H. and J. N. Holland. 1998. The evolution of obligate pollination mutualisms: senita cactus and senita moth. *Oecologia* 114(3): 368-375.
- Fleming, T. H., S. Maurice, S. L. Buchmann and M. D. Tuttle. 1994. Reproductive biology and relative male and female fitness in a trioecious cactus, *Pachycereus pringlei* (Cactaceae). *American Journal of Botany* 81(7): 858-867.
- Fleming, T., S. Maurice and J. L. Hamrick. 1998. Geographic variation in the breeding system and the evolutionary stability of trioecy in *Pachycereus pringlei* (Cactaceae). *Evolutionary Ecology* 12(3): 279-289.
- Fleming, T. H., R. A. Nuñez and L. S. L. Sternberg. 1993. Seasonal changes in the diets of migrant and non-migrant nectarivorous bats as revealed by carbon stable isotope analysis. *Oecologia* 94(1): 72-75.
- Fleming, T. H., C. T. Sahley, J. N. Holland, J. D. Nason and J. L. Hamrick. 2001. Sonoran Desert columnar cacti and the evolution of generalized pollination systems. *Ecological Monographs* 71(4): 511-530.
- Fleming, T. H., M. D. Tuttle and M. A. Horner. 1996. Pollination biology and the relative importance of nocturnal and diurnal pollinators in three species of Sonoran Desert columnar cacti. *The Southwestern Naturalist* 41(3): 257-269.
- Fleming, T. H. and A. Valiente-Banuet (eds.). 2002. *Columnar Cacti and Their Mutualists: Evolution, Ecology and Conservation*. University of Arizona Press, Tucson, AZ.
- Flessa, K. 2001. Panel III, Environmental issues. Page 49 in Colorado River Delta Bi-National Symposium Proceedings, International Boundary and Water Commission, United States and Mexico, Mexicali, 11–12 September 2001.
- Flessa, K. W., E. P. Glenn, O. Hinojosa-Huerta, C. A. de la Parra-Rentería, J. Ramírez-Hernández, J. C. Schmidt and F. A. Zamora-Arroyo. 2013. Flooding the Colorado River Delta: a landscape-scale experiment. *EOS, Transactions AGU* 94(50): 485-46.
- Fleishman, A. B. and N. S. Blinick. 2011. Nesting Least Terns (*Sternula antillarum*) at Estero Cardonal, Sonora, México: a newly discovered colony in the Gulf of California. *Marine Ornithology* 39: 277-279.
- Fleishman, A. B. and N. S. Blinick. 2011. Northerly Extension of the Breeding Range of the Roseate Spoonbill in Sonora, México. *Western Birds* 42:243-246.
- Fleischner, T. L. and H. R. Gates. 2009. Shorebird Use of Estero Santa Cruz, Sonora, México: Abundance, Diversity and Conservation Implications. *Waterbirds*, 32(1), 36-43. doi: 10.1675/063.032.0104

- Fleischner, T. L. and M. Riegner. 1993. Winter birds of Bahía Kino, Central Gulf of California Coast, Sonora, México. *Ecológica*, 3, 29-34.
- Fletcher, J. M., M. Grove, D. Kimbrough, O. Lovera and G. E. Gehrels. 2007. Ridge-trench interactions and the Neogene tectonic evolution of the Magdalena Shelf and southern Gulf of California: insights from detrital zircon U-Pb ages from the Magdalena Fan and adjacent areas. *Geological Society of America, Bulletin* 119: 1313-1336.
- Fletcher, J. M., B. P. Kohn, D. A. Foster, and A. J. W. Gleadow. 2000. Heterogeneous Neogene cooling and exhumation of the Los Cabos block, Southern Baja California: Evidence from fission-track thermochronology. *Geology* 28:107–110.
- Fletcher, J. M. and L. Munguia. 2000. Active continental rifting in southern Baja California, Mexico: implications for plate motion partitioning and the transition to seafloor spreading in the Gulf of California. *Tectonics* 19(6): 1107-1123.
- Fletcher, J. M., J. A. Pérez-Venzor, G. González-Barba and J. J. Aranda-Gómez. 2003. Ridge-trench interactions and the ongoing capture of the Baja California Microplate: new insights from the Southern Gulf Extensional Province. Pp. 13-31 in, *Geological Transects Across Cordilleran Mexico, Guidebook for Field Trips of the 99th Annual Meeting of the Cordilleran Section, Geological Society of America, Mexico, D.F., UNAM*. Special Publication 1,2.
- Fletcher, J. M. and R. M. Spelz. 2009. Patterns of Quaternary deformation and rupture propagation associated with an active low-angle normal fault, Laguna Salada, Mexico: Evidence of a rolling hinge? *Geosphere* 5(4): 385-407.
- Flores-Campaña, L. M. (ed.). 2008. *Estudios de las Islas del Golfo de California*. Universidad Autónoma de Sinaloa, Culicán, Sinaloa.
- Flores-Verdugo, F., F. González-Farías, and U. Zaragoza-Araujo. 1993. Ecological parameters of the mangroves of semi-arid regions of Mexico. Importance for ecosystem management. Pp. 123–132 in H. Lieth and A. Masoom (eds.), *Toward the Rational Use of High Salinity Tolerant Plants, Vol. 1*. Kluwer Academic Publishers, The Netherlands.
- Flowers, R. M. 2010. The enigmatic rise of the Colorado Plateau. *Geology* 38(7): 671-672.
- Flowers, R. M., B. P. Wernicke and K. A. Farley. 2008. Unroofing, incision, and uplift history of the southwestern Colorado Plateau from apatite (U-Th)/He thermochronometry. *Bulletin, Geological Society of America* 120, doi: 10:1130/B26231.1.
- Floyd, C. H., J. J. Flores-Martínez, M. L. G. Herrera, O. Mejía and B. May. 2010. Conserving the endangered Mexican fishing bat (*Myotis vivesi*): genetic variation indicates extensive gene flow among islands in the Gulf of California. *Conservation Genetics* 11(3): 813-822.
- Follett, W. I. 1957. Fish remains from aboriginal sites in the Punta Peñasco region of Sonora, Mexico. *Trans. San Diego Soc. Nat. Hist.* XII: 14: 279-286.
- Fontana, B. L. 1994. *Entrada. The Legacy of Spain and Mexico in the United States*. Southwest Parks and Monuments Association, Tucson, and The University of New Mexico Press, Albuquerque. 286 pp.
- Fontana, B. L. 2010. *A Gift of Angels: The Art of Missioun San Xavier del Bac*. University of Arizona Press, Tucson, AZ.
- Fontana, H. M. and B. L. Fontana. 2000. *Trails to Tiburón, the 1894 and 1895 Field Diaries of W. J. McGee*. University of Arizona Press, Tucson, AZ.
- Forbes, J. D. Melchior Diaz and the Discovery of Alta California. *Pacific Historical Review*, Vol. XXVII pp. 356ff.
- Forrest, M., J. Ledesma-Vázquez, W. Ussler III, J. T. Kulongoski, D. R. Hilton, and H. G. Greene. 2005. Gas geochemistry of a shallow submarine hydrothermal vent associated with

- the El Requesón fault zone, Bahía Concepción, Baja California Sur, Mexico. *Chemical Geology* 224:82–95.
- Foster, J. W. 1975. Shell middens, paleoecology, and prehistory: the case from Estero Morua, Sonora, Mexico. *The Kiva* 41(2): 185-193.
- Foster, M. S. 2001. Rhodoliths: Between rocks and soft places. *Journal of Phycology* 37:659–667.
- Foster, M. S., L. M. McConnico, L. Lundsten, T. Wadsworth, T. Kimball, L. B. Brooks, M. Medina-Lopez, R. Riosmena-Rodríguez, G. Hernandez-Carmona, R. Vasquez-Elisando, S. Johnson, and D. L. Steller. 2007. The diversity and natural history of a *Lithothamnion muelleri*–*Sargassum horridum* community in the Gulf of California. *Ciencias Marinas* 33 (4):367–384.
- Foster, M. S., D. R. Mitchell, G. Huckleberry and D. L. Dettman. 2008. Observations on the archaeology, paleoenvironment, and geomorphology of the Puerto Peñasco area of northern Sonora, Mexico. *Kiva* 73(3): 263-290.
- Foster, M. S., D. R. Mitchell, G. Huckleberry, D. L. Dettman and K. R. Adams. 2012. Archaic period shell middens, sea level fluctuations, and seasonality: archaeology along the northern Gulf of California littoral, Sonora, Mexico. *American Antiquity* 77: 756-772.
- Fradkin, P.L. 1984. *A River No More: The Colorado River and the West*. University of Arizona Press, Tucson.
- Fradkin, P. L. 1996. *A River No More: The Colorado River and the West, Expanded and Updated Edition*. University of California Press. 360pp.
- Francez, J. D. 1996. *The Lost Treasures of Baja California*. Black Forest Press, Chula Vista, CA.
- Franklin K. A., K. Lyons, P. L. Nagler, D. Lampkin, E. P. Glenn, F. Molina-Freaner, T. Markow and A. R. Huete. 2006. Buffelgrass (*Pennisetum ciliare*) land conversion and productivity in the plains of Sonora, Mexico. *Biological Conservation* 127:62–71
- Frantz, B. R., M. Kashgarian, K. H. Coale, and M. S. Foster. 2000. Growth rate and potential climate record from a rhodolith using super (14)C accelerator mass spectrometry. *Limnology and Oceanography* 45 (8) (Dec):1773–1777.
- Frazier, J. 2003. Prehistoric and ancient historic interactions between humans and marine turtles. Pp. 1–38 in P. L. Lutz, J. A. Musick, and J. Wyneken (eds.), *The Biology of Sea Turtles, Vol. 2*. Boca Raton: CRC Press.
- Friedlander, A. M., B. J. Zgliczynski, E. Ballesteros, O. Aburto-Oropeza, E. Sala. 2012. The shallow-water fish assemblage of Isla del Coco National Park, Costa Rica: structure and patterns in an isolated, predator-dominated ecosystem. *Revista Biología Tropical* 60(3).
- Freiwald, A., R. Henrich, P. Schafer, and H. Willkomm. 1991. The significance of high-boreal to subarctic maerl deposits in northern Norway to reconstruct Holocene climatic changes and sea level oscillations. *Facies* 25:315–340.
- Fritzsche, R. A. 1980. Revision of the eastern Pacific Syngnathidae (Pisces: Syngnathiformes), including both recent and fossil forms. *Proceedings of the California Academy of Sciences* 42 (6):181–227.
- Frizzell, V. A. (ed.). 1984. *Geology of Baja California*. Pacific Section, Society of Economic Paleontologists and Mineralogists Vol. 39.
- Fujita, H. and G. Poyatos de Paz. 1998. Settlement patterns on Espíritu Santo Island, Baja California Sur. *Pacific Coast Archaeological Society Quarterly* 34(4): 67-105.

- Fukami, H., A. F. Budd, G. Paulay, A. Solé-Cava, C. A. Chen, K. Iwao and N. Knowlton. 2004. Conventional taxonomy obscures deep divergence between Pacific and Atlantic corals. *Nature* 427: 832-835.
- Furlong, K. P. and S. Y. Schwartz. 2004. Influence of the Mendocino triple junction on the tectonics of coastal California. *Ann. Rev. Earth and Planetary Sci.* 32: 403-433.
- Gaines, E. P., G. Sanchez and V. T. Holliday. 2009. Paleoindian archaeology in northern Sonora, Mexico: a review and update. *Kiva* 74: 305-336.
- Galindo-Bect, M. S., A. A. Aragón Noriega, J. M. Hernández Ayón, M. F. Lavín, M. A. Huerta Diaz, F. Delgadillo Hinojosa and J. A. Segovia Zavala. 2010. Distribution of penaeid shrimp larvae and postlarvae in the upper Gulf of California. *Crustaceana* 83(7): 809-819.
- Galindo-Bect, M. S., E. P. Glenn, H. M. Page, K. Fitzsimmons, L. A. Galindo-Bect, J. M. Hernández-Ayon, R. L. Petty, J. García-Hernández, and D. Moore. 2000. Penaeid shrimp landings in the upper Gulf of California in relation to Colorado River freshwater discharge. *Fisheries Bulletin* 98:222–225.
- Galindo-Bect, M. S., A. Santa Ríos, J. M. Hernández-Ayón, M. A. Huereta-Diaz and F. Delgadillo-Hinojosa. 2013. The use of urban wastewater for the Colorado River delta restoration. *Procedia Environmental Sciences* 18: 829-835.
- Galland G. R., O. Aburto-Oropeza, P. A. Hastings. 2010. Irregular schooling behavior and abandonment of mimicry by the Sabertooth Blenny (Blenniidae) in Cabo Pulmo National Park, Gulf of California, Mexico. *Coral Reefs* 30(1): 215.
- Gallo, J. P., and D. Aurioles. 1984. Distribución y estado actual de la población de foca común (*Phoca vitulina richardsi* [Gray, 1864]), en la Península de Baja California, México. *Anales del Instituto de Biología, Ser. Zool*, 55:323–332.
- Gallo-Reynoso, J. P. 1998. La vaquita marina y su hábitat crítico en el alto Golfo de California. *Gaceta Ecológica (Instituto Nacional de Ecología, SEMARNAP, México, D.F.)* 47:29–44.
- Galván-Villa, C. M. 2015. Estructura de los ensamblajes de peces arrecifales de tres áreas marinas protegidas del Pacífico Mexicano. *Ecosistemas y Recursos Agropecuarios* 2(4): 69-86.
- Galván, J. P. 2007. California Brown Pelican Nesting on Isla Alcatraz, Sonora, México. *Western Birds*, 38: 296-298.
- Galván-Magaña, F., L. A. Abitia-Cárdenas, J. Rodríguez-Romero, H. Pérez-España, and H. Chávez-Ramos. 1996. Lista sistemática de los peces de la Isla Cerralvo, Baja California Sur, México (Systematic list of the fishes from Cerralvo Island, Baja California Sur, Mexico). *Ciencias Marinas* 22 (3):295–311.
- Galván-Magaña, F., F. Gutiérrez-Sánchez, L. A. Abitia-Cárdenas, and J. Rodríguez-Romero. 2000. The distribution and affinities of the shore fishes of the Baja California Sur lagoons. Pp. 383–398 in M. Munawar, S. G. Lawrence, I. F. Munawar, and D. F. Malley (eds.), *Aquatic Ecosystems of Mexico: Status and Scope*. Backhuys Publishers, Leiden, The Netherlands.
- Galván-Magaña, F., E. M. Hoyos-Padilla, C. J. Navarro-Serment and F. Márquez-Farías. 2010. Records of white shark, *Carcharodon carcharias*, in the Gulf of California, México. *Marine Biodiversity Records*, 3(e111). doi: doi:10.1017/S1755267210000977
- Galván-Magaña, F., H. J. Nienhuis, and P. A. Klimley. 1989. Seasonal abundance and feeding habits of sharks of the lower Gulf of California. *California Fish and Game* 75 (2):74–84.

- Galván-Piña, V. H., F. Galván-Magaña, L. A. Abitia-Cárdenas, F. J. Gutiérrez-Sánchez, and J. Rodríguez-Romero. 2003. Seasonal structure of fish assemblages in rocky and sandy habitats in Bahía de La Paz, Mexico. *Bulletin of Marine Science* 72:19–35.
- Gámez, A. E. (ed.). 2008. *Turismo y Sustentabilidad en Cabo Pulmo*, B.C.S. San Diego State University, San Diego, CA.
- Gans, P. B. 1997. Large-magnitude Oligo-Miocene extension in southern Sonora; implications for the tectonic evolution of northwest Mexico. *Tectonics* 16: 388-408.
- Gans, P. B., H. Scott and I. Macmillan. 2013. Late Miocene transtensional faulting, block rotations, and volcanism during inception of the Gulf of California oblique rift, southwestern Sonora, Mexico. *Geological Society of America, Abstracts with Program*, Vol. 45, No. 6, P. 21.
- Gantenbein, B., V. Fet and M. D. Barker. 2001. Mitochondrial DNA reveals a deep, divergent phylogeny in *Centruroides exilicauda* (Wood, 1963) (Scorpiones: Buthidae). Pp. 235-244 in, F. Fet and P. A. Selden (eds.), *Scorpions 2001. In Memoriam, Gary A. Polis*. British Arachnological Society, London.
- Gárate-Lizárraga, I. C., D. J. Band Schmidt, J. J. López Cortés, K. Bustillos Guzmán and K. Erler. 2007. Bloom of *Pseudonitzschia fraudulenta* in Bahía de La Paz, Gulf of California (June-July 2006). *Harmful Algae News*, 33: 6-7
- Garate-Lizárraga, I., C. J. Band-Schmidt, D. J. López-Cortés and J. J. Bustillos-Guzmán. 2009. Raphidophytes in Bahía de La Paz, Gulf of California. *Harmful Algae News* 40: 1-4.
- Gárate-Lizárraga, I., C. J. Band-Schmidt, J. J. López-Cortés and M.-S. Muñetón-Gómez. 2008. Bloom of *Scrippsiella trochoidea* (Gonyaulaceae) in a shrimp pond from the southeastern Gulf of California, Mexico. *Marine Pollution Bulletin* 58:145-149.
- Gárate-Lizárraga, I., J.J. Bustillos-Guzmán, R. Alonso-Rodríguez and B. Luckas. 2004. Comparative paralytic shellfish toxin profiles in two marine bivalves during outbreaks of *Gymnodinium catenatum* (Dinophyceae) in the Gulf of California. *Marine Pollution Bulletin* 48(3-4):397-402.
- Gárate-Lizárraga, I., J. Bustillos-Guzmán, K. Erler, M.S. Muñeton-Gómez, B. Luckas and A. Tripp-Quezada. 2004. Paralytic shellfish toxins in the chocolata clam, *Megapitaria squalida* (Bivalvia: Veneridae), in Bahía de La Paz, Gulf of California. *Revista de Biología tropical* 52:133-142.
- Gárate Lizárraga, I., J. J. Bustillos Guzmán, D. J. López Cortés, F. Hernández Sandoval, K. Releer and B. Luckas. 2006. Paralytic shellfish toxin profiles in net phytoplankton samples from Bahía Concepción, Gulf of California, México. *Marine Pollution Bulletin*, 52: 800-815.
- Gárate-Lizárraga, I., J. J. Bustillos-Guzmán, M. L. Morquecho-Escamilla, C. J. Band-Schmidt,^R Alonso-Rodríguez, A. Reyes-Salinas, D. T. Góngora-González, K. Reinhardt and B. Luckas. 2005. Comparative paralytic shellfish toxin profiles in *Gymnodinium catenatum* Graham strains in the Gulf of California, México. *Marine Pollution Bulletin* 50:208-236.
- Gárate-Lizárraga, I., D. J. López-Cortés, J. J. Butillos-Guzmán, C. J. Band-Schmidt and M. S. Muñetón-Gómez. 2012. Short-term dinoflagellate bloom in a shrimp pond in Bahía de La Paz, Gulf of California. *Journal of Applied Aquaculture* 24: 235-246.
- Gárate-Lizárraga, I., D.J. López-Cortes, J.J. Bustillos-Guzmán and F. Hernández-Sandoval. 2004. Blooms of *Cochlodinium polykrikoides* Margalef occurring in the Gulf of California, México. *Revista de Biología Tropical* 52:51-58.

- Gárate-Lizárraga, I., R. E. Muciño-Márquez y D. J. López-Cortés. 2010. Estadios de vida de *Gyrodinium falcatum* (Dinophyceae) en La Bahía de La Paz, Golfo de California. *Oceánides* 25 (1): 53-58.
- García, A., G. Ceballos, and R. Adaya. 2003. Intensive beach management as an improved sea turtle conservation strategy in Mexico. *Biological Conservation* 111:253–261.
- García-Borbón, J. A., E. F. Balart, J. J. Gallo and P. A. Loreto-Campos. 1996. Pesquería del camarón. Pp. 187-206 in, M. Casas-Valdez and G. Ponce-Díaz (eds.), *Estudio del Potencial Pesquero y Acuícola de Baja California Sur*. Ediciones COBNOR, La Paz. México.
- García-Caudillo, J. M. 1999. El uso de los excluidores de peces en la pesca comercial de camarón: situación actual y perspectivas. *Pesca y Conservación* 3 (7):5.
- García-Caudillo, J. M., M. A. Cisneros-Mata, and A. Balmori-Ramírez. 2000. Performance of a by-catch reduction device in the shrimp fishery of the Gulf of California, Mexico. *Biological Conservation* 92:199–205.
- García-Caudillo, J. M. and J. V. Gómez-Palafox. 2005. *La pesca industrial de camarón en el Golfo de California: Situación económico-financiera e impactos socio-ambientales*. Conservación Internacional-Región Golfo de California. Guaymas, Sonora, México. 104 pp.
- García-Caudillo, J. M., M. A. Cisneros-Mata and A. Balmori-Ramírez. 2000. Performance of bycatch reduction device in the shrimp fishery of the Gulf of California, México. *Biological Conservation* 92: 199-205.
- García-Hernandez, J., L. Cadena-Cádenas, M. Betancourt-Lozano, L. M. García-de-la-Parra, L. García-Rico and F. Márquez-Farías. 2010. Total mercury content found in edible tissues of top predator fish from the Gulf of California, Mexico. *Toxicological & Environmental Chemistry* 89(3): 507-522.
- García-Hernández, J., K. Flessa, E. Santiago-Serrano, S. Romero-Hernández, F. Zamora-Arroyo and J. Ramírez-Hernández. 2013. Salinity responses to inflow alterations in a 6500 Ha *Typha* wetland. *Ecological Engineering* 59: 18-29.
- García-Hernandez, J., E. P. Glenn, J. Artiola and D. J. Baumgartner. 2000. Bioaccumulation of selenium (Se) in the Cienega de Santa Clara wetland, Sonora, Mexico. *Ecotoxicology and Environmental Safety* 46: 298-304.
- García-Hernández, J., E. P. Glenn and K. Flessa. 2013. Identification of chemicals of potential concern (OPECs) in anthropogenic wetlands of the Colorado River Delta. *Ecological Engineering* 59: 52-60.
- García-Hernandez, J., O. Hinojosa-Huerta, V. Gerhart, Y. Carrillo-Guerrero and E. P. Glenn. 2001. Willow flycatcher (*Empidonax traillii*) surveys in the Colorado River Delta: implications for management. *Journal of Arid Environments*. 49: 161-169.
- García-Hernández, J., L. A. Hurtado, G. Leyva-García, A. Guido-Moreno, D. Aguilera-Márquez, V. Mazzei and M. Ferrante. 2015. Isopods of the genus *Ligia* as potential biomonitors of trace metals from the Gulf of California and Pacific coast of the Baja California peninsula. *Ecotoxicology and Environmental Safety* 112: 177-185.
- García-Hernández, J., K. King, A. Velaso, E. Shumilin, M. Morea, and E. Glenn. 2001. Selenium, selected inorganic elements, and organochlorine pesticides in bottom material and biota from the Colorado River delta. *Journal of Arid Environments* 49 (1):65–89.
- García-Hernández, C. C., H. Reyes-Bonilla, E. F. Balart, E. Ríos-Jara, S. E. Lluch-Cota and E. Serviere-Zaragoza. 2014. Comparison of ecological diversity and species composition of macroalgae, benthic macroinvertebrates, and fish assemblages between two tropical rocky reefs. *Revista de Biología Marina y Oceanografía* 39(3): 477-491.

- García-Hernández, J., Y. V. Sapozhnikova, D. Schlenk, A. Z. Mason, O. Hinojosa-Huerta, J. J. Rivera-Díaz, N. A. Ramos-Delgado and G. Sánchez-Bon. 2005. Concentration of contaminants in breeding bird eggs from the Colorado River Delta, Mexico. *Environmental Toxicology and Chemistry* 25(6): 1640-1647.
- García-Madriral, M. 1999. Anomuros (Anomura) del arrecife de Cabo Pulmo—Los Frailes y alrededores, Golfo de California. *Revista de Biología Trpical* 47(4): 923-928.
- García-Madriral, M. and J. R. Bastida-Zavala. 1999. Cangrejos braquiuros (Brachyura) del arrecife de Cabo Pulmo-Los Frailes y alrededores, Golfo de California, México. *Rev. Biol. Trop* 47: 123-132.
- García-Pámanes and J. R. Lara-Lara. 2013. Marine zooplankton grazing studies in Mexico: an overview. Pp. 91-106 in, R. Riosmena-Rodríguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Garcillán, P. P. and E. Ezcurra. 2003. Biogeographic regions and beta-diversity of woody dryland legumes in the Baja California peninsula. *Journal of Vegetation Science* 14 (6):859–868.
- Gardea, A. A., L. T. Findley, J. A. Orozco-Avitia, N. Bañuelos, M. Esquida and T. H. Huxman. 2012. Bacanora and sotol: so far, so close. *Estudios Sociales, Segundo Número Especial*: 149-168.
- Gardner, S. C. and W. J. Nichols. 2001. Assessment of sea turtle mortality rates in the Bahía Magdalena region, Baja California Sur, Mexico. *Chelonian Conservation and Biology* 4:197–199.
- Garman, S. 1899. The Fishes. *In* Reports on an exploration off the west coasts of Mexico, Central and South America, and off the Galapagos Islands by the U. S. Fish Commission steamer “Albatross,” during 1891, No. XXVI. *Memoirs, Museum of Comparative Zoology* 24:1–431.
- Garrahy, S. T. and D. J. Weber. 1971. Francisco de Ulloa, Joseph James Markey, and the discovery of Upper California. *California Historical Quarterly* 50(1): 73-77.
- Garrick, R. C., J. D. Nason, C. A. Meadows and R. J. Dyer. 2009. Not just vicariance: phylogeography of a Sonoran Desert euphorbs indicates a major role of range expansion along the Baja Peninsula. *Molecular Ecology*, doi: 10.1111/j.1365-294C.2009.04148.x
- Garth, J. S. 1960. Distribution and affinities of the brachyuran Crustacea. *Systematic Zoology* 9: 105-123.
- Gastil, R. G., Kimbrough and P. L. Abbott. 1996. Arrival of the Colorado River in the Salton Trough defined by magnetic susceptibility. *South Coast Geological Society Guidebook No. 24*, pp. 203-208.
- Gastil, R. G. and D. Krummenacher. 1977. Reconnaissance geology of coastal Sonora between Puerto Lobos and Bahía Kino. *Geological Society America, Bulletin* 88: 189-198.
- Gastil, R. G., D. Krummenacher and J. A. Minch. 1979. The record of Cenozoic volcanism around the Gulf of California. *Bull. Geological Society of America* 90: 839-857.
- Gastil, R. G., D. V. Lemone and W. J. Stewart. 1973. Permian fusulinids from near San Felipe, Baja California. *Bull. Amer. Assoc. Petroleum Geologists* 57: 746-747.
- Gastil, R. G. J. C. Minchand R. P. Philips. 1975. Reconnaissance geology of the state of Baja California. *Geological Society of American Memoir* 14: 1-170.
- Gastil, R. G., J. Neuhaus, M. E. Cassidy, J. T. Smith, J. C. Ingle, Jr. and D. Krummenacher. 1999. Geology and paleontology of southwestern Isla Tiburón, Sonora, Mexico. *Revista Mexicana de Ciencias Geológicas*, 16 (1): 1–34, geologic map, scale 1:25,000.

- Gastil, R. G., R. P. Phillips and E. C. Allison. 1973. Reconnaissance geology of the State of Baja California. Geological Society of America, Memoir 140:1–70; geologic map, scale 1:250,000.
- Gastil, R. G., M. Wracher, G. Strand, L. L. Kear, D. Eley, D. Chapman and C. Anderson. 1992. The tectonic history of the southwestern United States and Sonora, Mexico, during the past 100 M.Y. *Tectonics* 11(5): 990-997.
- Gaxiola-Castro, G., S. Alvarez-Borrego, and R. A. Schwartzlose. 1978. Sistema del bióxido de carbono en el Golfo de California. *Ciencias Marinas* 2:25–40.
- Gaxiola-Castro, G., Saul Alvarez-Borrego, S. Najera-Martinez, and A. Zirino. 2002. Internal waves effect on the Gulf of California phytoplankton. *Ciencias Marinas*, 28: 297-309.
- Gaxiola-Castro, G., S. Alvarez-Borrego, M. Lavín, A. Zirino and S. Nájera-Martínez. 1999. Spatial variability of the photosynthetic parameters and biomass of the Gulf of California phytoplankton. *Journal of Plankton Research* 21: 231-245.
- Gaxiola-Castro, G., J. Garcia-Cordova, J. Eduardo Valdez-Holguin and M. Botello-Ruvalcaba. 1995. Spatial distribution of chlorophyll α and primary productivity in relation to winter physical structure in the Gulf of California. *Continental Shelf Research* 15(9): 1043-1059.
- Gehlbach, F. R. 1993. *Mountain Islands and Desert Seas: A Natural History of the U.S.-Mexican Borderlands. 2nd Ed.* Texas A&M University Press, College Station, TX.
- Gehrels, G. E. and J. E. Spencer (eds). 1990. Geologic Excursions Through the Sonoran Desert Region, Arizona and Sonora. Field-Trip Guidebook for the 86th Annual Meeting of The Geological Society of America. Arizona Geological Survey, Special Paper 7.
- Gell, F. and C. Roberts. 2003. Benefits beyond boundaries: the fishery effects of marine reserves. *Trends in Ecology and Evolution* 18 (9):448–454.
- Gendron, D. 2000. Familia Kogiidae. Pp. 639–641 in S. T. Alvarez-Castañeda and J. L. Patton (eds.). *Mamíferos del Noroeste de México II*. Centro de Investigaciones Biológicas del Noroeste, S.C, La Paz, Baja California Sur. 873 pp.
- Gendron, D. 2002. Ecología poblacional de la ballena azul *Balaenoptera musculus* de la Península de Baja California. Ph.D. thesis, CICESE. Ensenada, B.C., México. 105 pp.
- Gendron, D. and S. Chavez. 1996. Recent sei whale (*Balaenoptera borealis*) sightings in the Gulf of California, Mexico. *Aquatic Mammals* 22:127–130.
- Gendron, D. and T. Gerrodette. 2003. First abundance estimates of blue whales in Baja California waters from slip and aerial surveys. Abstracts. 15th Biennial Conference on the Biology of Marine Mammals. Greensboro, NC.
- Gendron, D., S. Lanham, and M. Carardine. 1999. North Pacific right whale (*Eubalaena glacialis*) sighting south of Baja California, Mexico. *Aquatic Mammals* 25:31–34.
- Gendrop-Funes, V., M. Acosta-Ruiz and R. A. Schwartzlose. 1978. Distribución horizontal de clorofila α durante la primavera en ia parte Norte del Golfo de California. *Ciencias Marinas* 5(1): 71-89.
- Gentry, H. S. 1942. Rio Mayo Plants. Carnegie Insittuion of Washington, Publ. No. 527. Washington, D.C.
- Gentry, H. S. 1949. Land plants collected by the *Velero III*, Allan Hancock Pacific Expeditions 1937-1951. Allan Hancock Pacific Expeditions 13. University of Southern California, Los Angeles, CA.
- Gentry, H. S. 1982. *Agaves of Continental North America*. University of Arizona Press, Tucson, AZ.

- Gerrodette, T. and D. M. Palacios. 1996. Estimates of cetacean abundance in EEZ waters of the eastern tropical Pacific. National Marine Fisheries Service, Southwest Fisheries Science Center Administrative Report No. LJ-96-10. La Jolla, California. 28 pp.
- Gerrodette, T. and L. Rojas-Bracho. 2011. Estimating the success of protected areas for the vaquita, *Phocoena sinus*. *Marine Mammal Science* 27: E101-E125.
- Gerrodette, T., B. L. Taylor, R. Swift, S. Rankin, A. M. Jaramillo-Legorreta and L. Rojas-Bracho. 2011. A combined visual and acoustic estimate of 2008 abundance, and change in abundance since 1997, for the vaquita, *Phocoena sinus*. *Marine Mammal Science* 27(2): E79-E100.
- Gherard, K. E., B. E. Eirsman, O. Aburto-Oropeza, K. Rowell and L. G. Allen. 2013. Growth, development, and reproduction in Gulf Corvina (*Cynoscion othonopterus*). *Bull. So. Calif. Acad. Sci.* 112(1): 1-18.
- Gieskes, J. M., T. Shaw, T. Brown, A. Sturz and A. C. Campbell. 1991. Interstitial water and hydrothermal water chemistry, Guaymas Basin, Gulf of California. Pp. 753-779 in J. P. Dauphin and B. R. Simoneit (eds.), *The Gulf of California and Peninsular Province of the Californias*. American Association of Petroleum Geologists, Memoir 47, Tulsa.
- Gifford, E. W. 1946. Archaeology in the Punta Peñasco region, Sonora. *American Antiquity* 4: 215-221.
- Gilbert, C. H. 1890. Scientific results of explorations by the U.S. Fish Commission steamer Albatross. XII. A preliminary report on the Pacific coast of North America during the year 1889, with descriptions of twelve new genera and ninety-two new species. *Proceedings of the United States National Museum, Washington, D.C.*, 13:49-126.
- Gilbert, C. H. 1891. A preliminary report on the fishes collected by the steamer 'Albatross' on the Pacific coast of North America during the year 1889, with descriptions of twelve new genera and ninety-two new species. *Proc. U. S. National Museum* 13: 49-126.
- Gilbert, C. H. 1892. Scientific results of explorations by the U. S. Fish Commission steamer Albatross. XXII. Descriptions of thirty-four new species of fishes collected in 1888 and 1889, principally among the Santa Barbara Islands and in the Gulf of California. *Proceedings of the United States National Museum* 14 [for 1891] (880):539-566.
- Gilbert, J. Y. and W. E. Allen. 1943. The phytoplankton of the Gulf of California obtained by the "E. W. Scripps" in 1939 and 1940. *Journal of Marine Research* 5:89-110.
- Gilbert, J. Y. and W. E. Allen. 1943. The phytoplankton of the Gulf of California obtained by the "E. W. Scripps" in 1939 and 1940. *Journal of Marine Research* 5(2): 89-110.
- Giles-Guzmán, A. D. and S. Álvarez-Borrego. 2000. Vertical attenuation coefficient of photosynthetically active radiation as a function of chlorophyll concentration and depth in case 1 waters. *Applied Optics* 39(9): 1351-1358.
- Gill, T. H. 1862-1863. Catalogue of the fishes of Lower California in the Smithsonian Institution, collected by Mr. J. Xantus, Parts 1-4. *Proceedings of the Academy of Natural Sciences of Philadelphia* 1862:140-151, 242-246, 249-262; 1863:80-88.
- Gilligan, M. R. 1991. Bergmann ecogeographic trends in triplefin blennies (Teleostei: Tripterygiidae) in the Gulf of California, Mexico. *Environmental Biology of Fishes* 31:301-305.
- Gilly, W. F. 2005. Spreading and stranding of jumbo squid. *Ecosystems Observations for the Monterey Bay National Marine Sanctuary*, pp. 20-22.
- Gilmore, R. M. 1960. A census of the California gray whale. U.S. Fish and Wildlife Service, Special Scientific Report: Fisheries 342.

- Gilmore, R. M., R. L. Brownell, Jr., J. G. Mills, and A. Harrison. 1967. Gray whales near Yavaros, southern Sonora, Golfo de California, México. *Transactions of the San Diego Society of Natural History* 14:197–204.
- Girón-Nava, A., C. López-Sagástegui and O. Aburto-Oropeza. 2015. On the conditions of the 2012 cannonball jellyfish (*Stomolophus meleagris*) bloom in Golfo de Santa Clara: A fishery opportunity? *Fisheries Management and Ecology* 22: 261-264.
- Glenn E. 2001. Coastal wetlands of the northern Gulf of California: inventory and conservation status. *Aquatic Conservation: Marine and Freshwater Ecosystems* 16: 5–28.
- Glenn, E. P., R. Felger, A. Burquez, and D. Turner. 1992. Ciénega de Santa Clara: endangered wetland in the Colorado Delta. *Natural Resources Journal* 32:817–824.
- Glenn, E. P., K. Flessa, M. J. Cohen, P. L. Nagler, K. Rowell and F. Zamora-Arroyo. 2007. Just add water and the Colorado River still reaches the sea. *Environmental Management* 40:1–6.
- Glenn, E. P., K. Flessa and J. Pitt. 2013. Restoration potential of the aquatic ecosystems of the Colorado River Delta, Mexico: introduction to special issue on “Wetlands of the Colorado River Delta.” *Ecol. Eng.* 59: 1-6
- Glenn, E. P., J. Garcia-Hernandez, R. Tanner, C. Congdon, and D. Luecke. 1999. Status of wetlands supported by agricultural drainage water in the Colorado River Delta, Mexico. *HortScience* 34 (1): 39–45.
- Glenn, E. P., K. Hucklebridge, O. Hinojosa-Huerta, P. L. Nagler and J. Pitt. 2008. Reconciling environmental and flood control goals on an arid-zone river: case study of the limitrophe region of the Lower Colorado River in the United States and Mexico. *Environmental Management* 41: 322-335.
- Glenn, E. P., C. Lee, R. Felger and S. Zengel. 1996. Effects of water management on the wetlands of the Colorado River Delta, Mexico. *Conservation Biology* 10 (4):1175–1186.
- Glenn, E. P., C. Lee and C. Valdes-Casillas. 2001. Introduction [to special issue on the Colorado River Delta]. *Journal of Arid Environments* 49: 1-4.
- Glenn, E. P., L. Mexicano, J. García-Hernandez, P. L. Nagler, M. M. Gomez-Sapiens, D. Tang, M. A. Lomeli, J. Ramirez-Hernandez and F. Zamora-Arroyo. 2013a. Evapotranspiration and water balance of an anthropogenic coastal desert wetland: Responses to fire, inflows and salinities. *Ecological Engineering* 59: 176-184.
- Glenn, E. P. and P. L. Nagler. 2007. New life for the Colorado River Delta. Pp. 357-363 in, R. S. Felger and B. Broyles, *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake city, UT.
- Glenn, E. P., P. L. Nagler, R. C. Brusca and Osvel Hinojosa-Huerta. 2006. Coastal wetlands of the northern Gulf of California: inventory and conservation status. *Aquatic Conservation: Marine and Freshwater Ecosystems* 16:5–28.
- Glenn, E., R. Tanner, S. Mendez, T. Kehret, D. Moore, J. Garcia, and C. Valdés-Casillas. 1998. Growth rates, salt tolerance and water use characteristics of native and invasive riparian plants from the delta of the Colorado River, Mexico. *Journal of Arid Environments* 40:281–294.
- Glenn, E., L. Thompson, R. Frye, J. Riley and D. Baumgartner. 1995. Effects of salinity on growth and evapotranspiration of *Typha domingensis* Pers. *Aquatic Botany*. 52:75-91.
- Glenn, E. P., F. Zamora-Arroyo, P. L. Nagler, M. Briggs, W. Shaw and K. Flessa. 2001. Ecology and conservation biology of the Colorado River Delta, Mexico. *Journal of Arid Environments* 49:5–15.

- Glennon, R. J. and P. W. Culp. 2002. The Last Green Lagoon: How and Why the Bush Administration Should Save the Colorado River Delta. *Ecology Law Quarterly* 28(4): 903-988.
- Godínez, Víctor M. Miguel F. Lavín, Rafael Ramírez Mendoza, Juan Carlos Leal Lupercio, Salvador Galindo Bect y Martín Hernández Ayón. Datos meteorológicos y de corrientes en el Alto Golfo de California: del 29 junio al 22 de agosto de 1999. Informe Técnico CTOFT20008. Comunicaciones Académicas. Serie Oceanografía Física, CICESE. 61 pp. 2000.
- Godínez Sandoval, V. M., M. F. Lavín, R. Ramírez Mendoza, A. I. Ocampo Torres, M. S. Galindo Bect and J. M. Hernández Ayón. 2003. Datas hidrográficos en el Alto Golfo de California: Campaña FU9908 (Agosto 17-23, 1999). Informe Técnico 6376, UABC y CICESE. 247 pp.
- Goebel, T., M. R. Waters and D. H. O'Rourke. 2008. The Late Pleistocene dispersal of modern humans in the Americas. *Science* 319: 1497-1502.
- Gómez, P. 1998. First record and new species of *Gastrophanella* (Porifera: Demospongiae: Lithistida) from the central east Pacific. *Proceedings of the Biological Society of Washington* 111 (4):774-780.
- Gómez, P. and G. J. Bakus. 1992. *Aplysina gerardogreeni* and *Aplysina aztecus* (Porifera: Demospongiae), new species from the Mexican Pacific. *Anales Instituto Ciencias del Mar y Limnología UNAM* 19 (2):175-180.
- Gómez, P., J. L. Carballo, L. E. Vázquez, and J. A. Cruz. 2002. New records for the sponge fauna (Porifera: Demospongiae) of the Pacific coast of Mexico (eastern Pacific Ocean). *Proceedings of the Biological Society of Washington* 115 (1):223-237.
- Gómez, S. and M. A. Tovar-Hernández. 2008. First record of the copepod *Gastrodelpheys dalesi* (Green) in the sabellid polychaete *Megalomma circumspectum* (Moore) for the Gulf of California. *Contribuciones al Estudio de los Crustáceos del Pacífico Este*. 5(1): 51-54. ISSN 1870-3054.
- Gómez-Gutiérrez, J., G. González-Chávez, C. J. Robinson and V. Arenas-Fuentes. 1999. Latitudinal changes of euphausiid assemblages related to the morphological variability of the sound scattering layer along Baja California, October 1994. *Scientia Marina* 63(1): 79-91.
- Gómez-Gutiérrez, J., S. Martínez-Gómez and C. J. Robinson. 2007. Influence of the thermohaline fronts forced by tides on near-surface zooplankton aggregation and community structure in Bahía Magdalena, Mexico. *Marine Ecology Progress Series* 346: 109-125.
- Gómez-Noguera, S. E. and M.E. Hendrickx. 1997. Distribution and abundance of meiofauna in a subtropical coastal lagoon in the southeastern Gulf of California Mexico. *Marine Pollution Bulletin* 34(7): 582-587.
- Gómez-Pompa, A. and R. Dirzo. 1995. *Reservas de la biosfera y otras áreas naturales protegidas de México*. INE/CONABIO, México, D.F.
- Gómez-Ponce, M. 1971. Sobre la presencia de estratos marinos del Mioceno en el Estado de Sonora, México. *Instituto Mexicano del Petróleo Revista, Notas Técnicas*, Octubre, 77-78.
- Gómez-Sapiens, M. M., D. Tang, E. P. Glenn, M. A. Lomelí, J. Ramírez-Hernández and J. Pitt. 2013. Modeling water management scenarios for the Ciénega de Santa Clara, an anthropogenic coastal desert wetland system, based on inflow volumes and salinities. *Ecological Engineering* 59: 30-40.

- Gómez-Valdivia, F. A. Parés-Sierra and A. L. Flores-Morales. 2015. The Mexican Coastal Current: A subsurface seasonal bridge that connects the tropical and subtropical Northeastern Pacific. *Continental Shelf Research* 110: 100-107.
- González, G. D. and L. A. Soto. 1988. Hábitos alimenticios de peces depredadores del sistema lagunar Huizache-Caimaneo, Sinaloa, México. *Inst. Ciencias del Mar y Limnología, UNAM* 15(1): 97-124.
- González, O. H. A., L. F. Beltrán, C. Cáceres-Martínez, H. Ramírez, S. Hernández-Vazquez, E. Troyo-Dieguez and A. Ortega-Rubio. 2003. Sustainability development analysis of semi-intensive shrimp farms in Sonora, México. *Sustainable Development* 11: 213-222.
- González-Acosta, G., J. De la Cruz-Agüero, and G. Ruíz-Campos. 1999. Ictiofauna asociada al manglar del estero El Conchalito, Ensenada de La Paz, Baja California Sur, México. *Oceánides* 14:121-131.
- González-Armas, R., R. Polomares-Garca, and R. De Silva-Dávila. 2002. Copepod and macrozooplankton distribution associated to El Bajo Espíritu Santo Seamount. *Contribuciones al Estudio de los Crustáceos del Pacífico Este* 1:1-11.
- González-Cabello, A. 2003. Variabilidad espacio-temporal de las asociaciones de peces crípticos en áreas arrecifales coralinas y rocosas de la región de La Paz, B.C.S. Tesis de maestría. Master's thesis, Centro de Investigaciones Biológicas del Noroeste, S.C., La Paz, B.C.S., México. 84 pp.
- González-Escobar, M., C. Aguilar-Campos, F. Suarez-Vidal and A. Martín-Barajas. 2009. Geometry of the Wagner Basin, upper Gulf of California based on seismic reflections. *Internat. Geol. Rev.* 51: 133-144.
- González-Fernández, A., J. J. Dañobeitia, L. A. Delgado-Argote F. Michaud, D. Córdoba and R. Bartolomé. 2005. Mode of extension and rifting history of upper Tiburón and upper Delfín Basins, northern Gulf of California. *J. Geophysical Res.* 110, B01313.
- González-Medina, E., J. A. Castillo-Guerrero, F. Santiago-Quesada, A. Villegas, J. A. Masero, J. M. Sánchez-Guzmán and G. Fernández. 2016. Variation in parental rearing expenditure triggers short-term physiological effects on offspring in a long-lived seabird. *IBIS*, doi: 10.1111/ibi.12346.
- González-Ocampo, H. A., L. F. Beltrán Morales, C. Cáceres-Martínez, H. Ramírez Aguirre, S. Hernández-Vázquez, E. Troyo-Diéguez and A. Orgega-Rubio. 2006. Shrimp aquaculture environmental diagnosis in the semiarid coastal zone of Mexico. *Fresenius Environmental bulletin* 15(7): 659-670.
- González-Peláez, S. S., E. Morales-Bojórquez, D. B. Lluch-Cota and J. J. Bautista-Romero. 2015. Application of a gnomonic model to estimate the life span and natural mortality of *Panopea globosa*. *Journal of Shellfish Research* 34(1): 113-118.
- González-Suárez, M. D. Auriol-Gamboa and L. R. Gerber. 2010. Past exploitation of California sea lions did not lead to a genetic bottleneck in the Gulf of California. *Ciencias Marinas* 36(3): 199-211.
- Gonzalez-Yajimovich, O., R. Douglas and D. Gorsline. 2007. Holocene rainfall and productivity variation in the Gulf of California. American Geophysical Union, Spring Meeting, Abstract OS32A-07.
- Goodfriend, G. A. and K. W. Flessa. 1997. Radiocarbon reservoir ages in the Gulf of California: roles of upwelling and flow from the Colorado River. *Radiocarbon* 39: 139-148.

- Goodwin, D. H., K. W. Flessa, B. R. Schöme and D. L. Dettman. 2001. Cross-calibration of daily increments, stable isotope variation and temperature in the Gulf of California bivalve mollusk *Chione cortezi*: implication for paleoenvironmental analysis. *Palaios* 16: 378-398.
- Goodwin, D. H., B. R. Schöme and D. L. Dettman. 2002. Resolution and fidelity of oxygen isotopes as paleotemperature proxies in bivalve mollusk shells: models and observations. *Palaios* 18: 110-125.
- Gordon, H. R. and A. Morel. 1983. *Remote Assessment of Ocean Color for Interpretation of Satellite Visible Imagery: A Review. Vol. 4 of Lecture Notes on Coastal and Estuarine Studies*. Springer-Verlag, New York, 114 pp.
- Gotshall, D. W. 1994. *Guide to Marine Invertebrates: Alaska to Baja California*. Sea Challengers, Monterey, CA.
- Gotshall, D. W. 1998. *Sea of Cortez Marine Animals*. Sea Challengers, Monterey, CA.
- Gottscho, A. D. 2014. Zoogeography of the San Andreas Fault System: great Pacific fracture zones correspond to spatially concordant phylogeographic boundaries in western North America. *Biological Reviews*, doi: 10.1111/brv.12167
- Gould, F. W. and R. Moran. 1981. *The Grasses of Baja California, Mexico*. Memoirs, San Diego Society of Natural History, 12. San Diego, CA.
- Graham, H. W. 1943. *Gymnodinium catenatum*, a new dinoflagellate from the Gulf of California. *Transactions of the American Microscopical Society* 62(3): 259-261.
- Graham, M. R., R. W. Bryson Jr. and B. R. Riddle. 2014. Late Pleistocene to Holocene distributional stasis in scorpions along the Baja California Peninsula. *Biological Journal of the Linnean Society* 111: 450-461.
- Graham, M. R., J. R. Jaeger, L. Prendini and B. R. Riddle. 2013. Phylogeography of the Arizona hairy scorpion (*Hadrurus arizonensis*) supports a model of biotic assembly in the Mojave Desert and adds a new Pleistocene refugium. *Journal of Biogeography* 40: 1298-1312.
- Grall, J. and M. Glemarec. 1997. Biodiversité des fonds de maërl en Bretagne: approche fonctionnelle et impacts anthropogéniques. *Vie Milieu* 47:339-349.
- Granados-Gallegos, J. L., and R. A. Schwartzlose. 1974. Corrientes superficiales en el Golfo de California. Pp. 271-285 in F. A. Manrique (ed.), *Memorias del V Congreso Nacional de Oceanografía*. Escuela de Ciencias Marítimas del Instituto Tecnológico de Monterrey, Guaymas.
- Grant, P. R. and I. McT. Cowan. 1964. A review of the avifauna of the Tres Marias Islands, Nayarit, Mexico. *Condor* 66: 221-228.
- Grant, U. S., IV and H. R. Gale. 1931. *Catalogue of the marine Pliocene and Pleistocene Mollusca of California and adjacent regions*. San Diego Society of Natural History, Memoirs 1: 1036 pp. [reprinted 1958]
- Gray, A. B. 1856. Letter address to John Torrey, on the *Ammobroma sonorae*. *Proceedings of the American Association for the Advancement of Science* 9: 233-236.
- Grayson, A. J. 1871. The physical geography and natural history of the islands of the Tres Marias. *Proceedings of the Boston Natural History Society* 14:261-302.
- Green, T. M. 1985. *Pinnotheres jamesi* synonymized with *P. reticulatus* (Decapoda: Brachyura). *Proc. Biol. Soc. Wash.* 98(3): 611-614.
- Green Ruiz, M., S. Caschetto and S. Álvarez-Borrego. 1983. Silice disuelto en la columna de agua y en las aguas intersticiales de una laguna costera. *Ciencias Marinas* 9(2): 51-74.

- Greenberg, J. B. In press. Territorialization, globalization, and dependent capitalism in the political ecology of fisheries in the upper Gulf of California. In A. Biersack and J. B. Greenberg (eds.), *Culture, History, Power, Nature: Ecologies for the New Millennium*. Bureau of Applied Research in Anthropology, University of Arizona, Tucson.
- Greenberg, J. B. and C. Vélez-Ibáñez. 1993. Community dynamics in a time of crisis: An ethnographic overview of the upper Gulf. In T. R. McGuire and J. B. Greenberg (eds.), *Maritime Community and Biosphere Reserve: Crisis and Response in the Upper Gulf of California*. Occasional Paper No. 2, Bureau of Applied Research in Anthropology. University of Arizona, Tucson. 169 pp.
- Greenberg, K. and K. Schlatter (eds.). 2012. *Ciénega de Santa Clara Monitoring Program, Final Report*. International Boundary and Water Commission, El Paso, Texas.
- Grigg, R. W. and R. Hey. 1992. Paleooceanography of the tropical eastern Pacific Ocean. *Science* 255:172–178.
- Grijalva-Chon, J. M., S. Núñez-Quevedo, and R. Castro-Longoria. 1996. Ictiofauna de la laguna costera La Cruz, Sonora, México (Ichthyofauna of La Cruz coastal lagoon, Sonora, Mexico). *Ciencias Marinas* 22 (2):129–150.
- Grinnell, J. 1928. A distributional summation of the ornithology of Lower California. *University of California Publications in Zoology* 32 (1):1–300.
- Grismer, L. L. 1994. The origin and evolution of the peninsular hepetofauna of Baja California, Mexico: *Herpetological Natural History* 2:51–106.
- Grismer, L. L. 1994. Geographic origins for the reptiles on islands in the Gulf of California, Mexico. *Herpetological Natural History* 2: 17-40.
- Grismer, L. L. 1999. Checklist of amphibians and reptiles on islands in the Gulf of California, Mexico. *Bulletin, Southern California Academy of Sciences* 98(1): 45-56.
- Grismer, L. L. 2000. An evolutionary classification and checklist of amphibians and reptiles on the Pacific of Baja California, Mexico. *Bulletin Southern California Academy of Sciences* 100: 12-23.
- Grismer, L. L. 2000. Evolutionary biogeography on Mexico's Baja California peninsula: a synthesis of molecules and historical geology. *Proceedings of the National Academy of Sciences* 97:14017–14018.
- Grismer, L. L. 2001. Comments on the taxonomy of gopher snakes from Baja California, Mexico: A reply to Rodríguez-Robles and de Jesús-Escobar. *Herpetological Review* 32: 81-83.
- Grismer, L. L. 2002. A re-evaluation of the evidence for a mid-Pleistocene mid-peninsular seaway in Baja California: a reply to Riddle et al. *Herpetological Review* 33: 15-16.
- Grismer, L. L. 2002. *Amphibians and Reptiles of Baja California, Including its Pacific Islands and the Islands in the Sea of Cortés*. University of California Press, Berkeley.
- Grismer, L. L. and J. A. McGuire. 1996. Taxonomy and biogeography of the *Sceloporus magister* complex (Squamata: Phrynosomatidae) in Baja California, Mexico. *Herpetologica* 52: 416-427.
- Groombridge, B. and R. Luxmoore. 1989. *The green turtle and hawksbill (Reptilia: Cheloniidae): world status, exploitation and trade*. Secretariat of the Convention on International Trade in Endangered Species of Wild Fauna and Flora, Lausanne, Switzerland. 601 pp.

- Guala, I., M. M. Flagella, N. Andreakis, G. Procaccini, W. H. C. F. Kooistra, and M. C. Buia. 2003. Aliens-algal introductions to European shores. *Biogeographia* 24:45–52.
- Guerrero-Ruíz, M., H. Pérez-Cortés M., M. Salinas Z., and J. Urbán R. 2006. First Mass Stranding of Killer Whales (*Orcinus orca*) in the Gulf of California, Mexico. *Aquatic Mammals* 2006, 32 (3):265–272.
- Guerrero-Ruíz, M., J. Urbán R., and L. Rojas-Bracho. 2006. *Las ballenas del Golfo de California*. Instituto nacional de Ecología, Secretaría del Medio Ambiente y Recursos Naturales. 524 pp.
- Guevara, J. C. B. 1990. The conservation of *Totoaba macdonaldi* (Sciaenidae), in the Gulf of California, Mexico. *Journal of Fish Biology* 37: 201-202.
- Günther, A. 1864. On some new species of Central-American fishes. *Proceedings of the Zoological Society, London 1864 (Part 1):23–27.*
- Gutiérrez-Galindo, E. A., G. Flores-Muñoz, et al. 1988. Chlorinated hydrocarbons in molluscs of the Mexicali Valley and Upper Gulf of California. *Ciencias Marinas* 13(3): 91-113.
- Gutierrez, O. Q., S. G. Marinone, and A. Parés-Sierra. 2004. Lagrangian surface circulation in the Gulf of California from a 3D numerical model. *Deep-Sea Research II*, 51:659–672.
- Guzmán, H. M. and J. Cortés. 1993. Arrecifes coralinos del Pacífico Oriental Tropical. *Revisión y Perspectivas: Revista Biología Tropical* 41: 535-557.
- Gutmann, J. T. 1976. Geology of Crater Elegante, Sonora, Mexico. *Bull., Geol. Soc. America* 87: 1718-1729.
- Gutmann, J. T. 2002. Strombolian and effusive activity as precursors to phreatomagmatism: eruptive sequence at maars of the Pinacate volcanic field, Sonora, Mexico. *Journal of Volcanology and Geothermal Research* 113: 345-356.
- Guzmán, J., R. Carmona, E. Palacios, and M. Bojórquez. 1994. Seasonal distribution of aquatic birds in Estero de San José del Cabo, B.C.S., Mexico. *Ciencias Marinas* 20: 93-103.
- Haenszel, A. M. 1957. *The Visual Knowledge of California*.
- Hafner, D. J. and B. R. Riddle. 1997. Biogeography of Baja California Peninsular Desert Mammals. Pp. 39-68 in, T. L. Yates, W. L. Gannon and D. E. Wilson, eds.), *Life Among the Muses: Papers in Honor of James S. Findley*. Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM.
- Hafner, D. J. and B. R. Riddle. 2005. Mammalian Phylogeography and Evolutionary History of Northern Mexico's Deserts. Pp. 225-245 in, J. L. Cartron, G. Ceballos and R. S. Felger, *Biodiversity, Ecosystems and Conservation in Northern Mexico*. Oxford University Press, Oxford, UK.
- Hafner, D. J. and B. R. Riddle. 2011. Boundaries and barriers of North American warm deserts: an evolutionary perspective. Pp. 75-114 in, P. Upchurch, A. J. McGowan and C. S. C. Slater (eds.), *Palaeography and Palaeobiogeography: Biodiversity in Space and Time*. CRC Press, Boca Raton, FL.
- Halfar, J. 1999. Warm-temperate to subtropical shallow water carbonates of the southern Gulf of California and geochemistry of rhodoliths. Ph.D. dissert., Stanford University, USA. 307 pp.
- Halfar, J., L. Godinez-Orta, and J. C. Ingle Jr. 2000. Microfacies analysis of recent carbonate environments in the southern gulf of California, Mexico; a model for warm-temperate to subtropical carbonate formation. *Palaios* 15:323–342.
- Halfar, J., L. Godinez-Orta, M. Mutti, J. Valdez-Holguin, J. Borges. 2004. Nutrient and temperature controls on modern carbonate production: an example from the Gulf of California, Mexico, *Geology* 32:213–216.

- Halfar, J., J. C. Ingle Jr, and L. Godinez-Orta. 2004. Modern non-tropical mixed carbonate-siliciclastic sediments and environments of the southwestern gulf of California, Mexico. *Sedimentary Geology* 165:93–115.
- Halfar, J. and M. Mutti 2005. Global dominance of coralline red-algal facies: A response to Miocene oceanographic events, *Geology* 33:481–484.
- Halfar, J., T. Zack, A. Kronz, and J. C. Zachos. 2000. Growth and high-resolution paleoenvironmental signals of rhodoliths (coralline red algae): A new biogenic archive. *Journal of Geophysical Research* 105 (C9):22107–22116.
- Hall, C. A., Jr. 1964. Shallow-water marine climates and molluscan provinces. *Ecology* 45: 226-234.
- Hall, C. A., Jr. 2002. Nearshore marine paleoclimatic regions, increasing zoogeographic provinciality, molluscan extinctions, and paleoshorelines, California: Late Oligocene (27 Ma) to late Pliocene (2.5 Ma). *Geol. Soc. Amer., Special Paper 357*: 1-487.
- Hall, H. 1992. *Shadows in a desert sea*. Howard Hall Productions, Del Mar, CA. video.
- Hall-Spencer, J. M. 1998. Conservation issues relating to maerl beds as habitats for molluscs. *Journal of Conchology Special Publication* 2:271–286.
- Hall-Spencer, J. M. 1999. Effects of towed demersal fishing gear on biogenic sediments: a 5-year study. Pp. 9–20 in O. Giovanardi (ed.), *Impact of trawl fishing on benthic communities*. ICRAM, Rome.
- Hall-Spencer, J. M., and P. G. Moore. 2000. Impact of scallop dredging on maerl grounds. Pp. 105–117 in M. J. Kaiser and S. J. d. Groot (eds.), *Effects of Fishing on Non-target Species and Habitats: Biological, Conservation and Socio-economic Issues*. Blackwell Science, USA.
- Hallenbeck, C. 1939. *Alvar Nuñez Cabeza de Vaca: The Journey and Route of the First European to Cross the Continent of North America*. The Arthur H. Clark Co., Glendale.
- Hamilton, W. 1961. Origin of the Gulf of California. *Geological Society of America Bulletin*, 72:1307–1318.
- Hammann, M. G., T. R. Baumgartner, and A. Badan-Dangon. 1988. Coupling of the Pacific sardine (*Sardinops sagax caeruleus*) life cycle with the Gulf of California pelagic environment. *CalCOFI Reports* 29:102–109.
- Hammann, M. G., M. O. Nevárez-Martínez, and Y. Green-Ruíz. 1998. Spawning habit of the Pacific sardine (*Sardinops sagax*) in the Gulf of California: egg and larval distribution 1956–1957 and 1971–1991. *CalCOFI Reports* 39:169–179.
- Hammond, George P. and A. Rey. 1940. *Narratives of the Coronado Expedition 1540-1542*. Coronado Cuarto Centennial Publications (Albuquerque) 11: 1540-1940.
- Hanna, P. T. 1940. Hail to Alarcón, Unsung Discoverer of California. *Westways*, August 1940, pp. 8-9.
- Harding, B. L., T. B. Sangoyomi and E. A. Payton. 1995. Impacts of severe sustained drought on Colorado River water resources. *Water Resources Bull.* 31: 815-824.
- Hariot, P. 1895. Algues du Golfe de California recueillies par M. Diguët. *Journal Botanic* 9:167–170.
- Harris, M. F. 1969. Effects of tropical cyclones upon Southern California. Master's thesis, San Fernando Valley State College, San Fernando. 89 pp.
- Hart, C. E., G. S. Blanco, M. S. Coyne, C. Delgado-Trejos, B. J. Godley, T. T. Jones, A. Resendiz, J. A. Seminoff, M. J. Witt and W. J. Nichols. 2015 Multinational tagging efforts

- illustrate regional scale of distribution and treats for east Pacific green turtles (*Chelonia mydas agassizii*). PLOS One, doi:10.1371/journal.pone.0116225.
- Hart, C. E., C. Ley-Quíñonez, A. Maldonado-Gasca, A. Zavala-Norzagaray and F. A. Abreu-Grobois. 2014. Nesting characteristics of olive ridley turtles (*Lepidochelys olivacea*) on el Naranjo Beach, Nayarit, Mexico. *Herpetological Conserv. & Biol.* 9(2): 524-534.
- Hartmann, W. K. 1989. *Desert Heart. Chronicles of the Sonoran Desert*. Fisher Books, Tucson.
- Hartmann, W. K. 2014. *Searching for Golden Empires. Epic Cultural Collisions in Sixteenth-Century America*. University of Arizona Press, Tucson, AZ.
- Harvey, A. S., S. Broadwater, W. J. Woelkerling, and P. Mitrovski. 2003. *Choreonema* (Corallinales, Rhodophyta): 18S rDNA phylogeny and resurrection of the Hapalidiaceae for the subfamilies Choreonematoidea, Austrolithoideae and Melobesioidea. *Journal of Phycology* 39:988–998.
- Harvey, A. and W. J. Woelkerling. 2007. A guide to nongeniculate coralline red algal (Corallinales, Rhodophyta) rhodolith identification. *Ciencias Marinas* 33 (4):411–426.
- Hastings, J. R. 1964. Climatological data for Sonora and northern Sinaloa. Technical Reports on the Meteorology and Climatology of Arid Regions. No. 15, Institute of Atmospheric Physics, University of Arizona, Tucson.
- Hastings, J. R. and R. R. Humphrey. 1969. Climatological data and statistics for Sonora and northern Sinaloa. Technical Reports on the Meteorology and Climatology of Arid Regions. No. 19. Institute of Atmospheric Physics, University of Arizona, Tucson.
- Hastings, J. R. and R. M. Turner. 1965. Seasonal precipitation regimes in Baja California, Mexico. *Geografiska Annaler., Ser. A. Physical Geography* 47: 204-223.
- Hastings, J. R. and R. M. Turner. 1972. *The Changing Mile. An Ecological Study of Vegetation Change with Time in the Lower Mile of an Arid and Semiarid Region*. University of Arizona Press, Tucson.
- Hastings, P. A. 1986. Habitat selection, sex ratio, and sexual selection in *Coralliozetus angelica* (Blennioidea: Chaenopsidae). pp. 785-793. In: Uyeno, T., R. Arai, T. Taniuchi, and K. Matsuura (eds), *Indo-Pacific Fish Biology*. Ichthyological Soc. Japan, Tokyo.
- Hastings, P. A. 1988. Correlates of male reproductive success in the browncheek blenny, *Acanthemblemaria crockeri* (Chaenopsidae). *Behavioral Ecology and Sociobiology* 22:95–102.
- Hastings, P. A. 1988. Female choice and male reproductive success in the angel blenny, *Coralliozetus angelica* (Chaenopsidae). *Animal Behaviour* 36:115–124.
- Hastings, P. A. 1989. Protogynous hermaphroditism in *Paralabrax maculatofasciatus* (Pisces: Serranidae). *Copeia* 1989(1): 184–188.
- Hastings, P. A. 1991. Flexible responses to predators in a marine fish. *Ethology, Ecology and Evolution* 3(3): 177–184.
- Hastings, P. A. 1991. The ontogeny of sexual dimorphism in *Coralliozetus angelica* (Chaenopsidae). *Copeia* 1991(4): 969-978.
- Hastings, P. A. 1992. Nest-site size as a short-term constraint on the reproductive success of paternal fishes. *Environmental Biology Fishes* 20: 213–218.
- Hastings, P. A. 2000. Biogeography of the tropical eastern Pacific: distribution and phylogeny of chaenopsid fishes. *Zoological Journal of the Linnean Society* 128:319–335.
- Hastings, P. A. 2002. Evolution of morphological and behavioral ontogenies in females of a highly dimorphic clade of blennioid fishes. *Evolution* 56(8): 1644-1654.

- Hastings, P. A. 2009. Biogeography of Neotropical blennies. P. 95-118, In: Patzner, R. A., E. J. Gonçalves, P. A. Hastings & B. G. Kapoor (eds). *The Biology of Blennies*. Science Publishers, Enfield, New Hampshire.
- Hastings, A. and L. W. Botsford. 1999. Equivalence in yield from marine reserves and traditional fisheries management. *Science* 284:1537–1538.
- Hastings, P. A. and L. T. Findley. 2007. Marine Fishes of the Upper Gulf Biosphere Reserve, Northern Gulf of California. Pp. 364–382 in R. S. Felger and W. Broyles (eds.), *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake City.
- Hastings, P. A., L. T. Findley and A. M. Van der Heiden. 2010. Fishes of the Gulf of California. Pp. 96-118 in Brusca, R.C. (ed.), *The Gulf of California. Biodiversity and Conservation*. The University of Arizona Press, Tucson, AZ.
- Hastings, P. A. and G. R. Galland. 2010. Ontogeny of microhabitat use and two-step recruitment in a specialist reef fish, the Browncheek Blenny (Chaenopsidae). *Coral Reefs* 29:155-164.
- Hastings, P. A. and C. W. Petersen. 1986. A novel sexual pattern in serranid fishes: simultaneous hermaphrodites and secondary males in *Serranus fasciatus*. *Environmental Biology of Fishes* 15:59–68.
- Hastings, P. A., & D. R. Robertson. 1999. *Acanthemblemaria atrata* and *Acanthemblemaria mangognatha*, new species of eastern Pacific barnacle blennies (Chaenopsidae) from Isla del Coco, Costa Rica, and Islas Revillagigedo, Mexico, and their relationships with other barnacle blennies. *Revue française d'Aquariologie Herpétologie* 25 (1998): 107-118.
- Hastings, P. A., and D. R. Robertson (eds). 2001. Systematics of tropical eastern Pacific fishes. *Revista de Biología Tropical* 49 (Suppl. 1). 198 pp.
- Hastings, P. A. & V. G. Springer. 2009. Recognizing diversity in blennioid nomenclature. *Zootaxa* 2120:3-14.
- Hastings, P. A., H. J. Walker and G. R. Galland. 2014. *Fishes: A Guide to their Diversity*. University of California Press.
- Hauksson, E., J. Stock, K. Hutton, W. Yang, J. A. Vidal-Villegas and H. Kanamori. 2010. The 2010 M_w 7.2 El Mayor-Cucapah earthquake sequence, Baja California, Mexico and southernmost California, USA: active seismotectonics along the Mexican Pacific Margin. *Pure and Applied Geophysics* 168: 8-9.
- Haury, E. W. 1950. *The Stratigraphy and Archaeology of Ventana Cave, Arizona*. University of Arizona Press, Tucson, AZ.
- Haury, E. W. 1976. *The Hohokam, Desert Farmers and Craftsmen. Excavations at Snaketown 1964-1965*. University of Arizona Press, Tucson, AZ.
- Hayashi, R., S. Takuma, T. Narazaki and K. Sato. 2011. *Chelonia mydas agassizii* (black[Pacific] sea turtle). Epibiont barnacles. *Herpetological Review* 42(2): 264-265.
- Hayden, J. D. 1956. Notes on the archaeology of the central coast of Sonora, Mexico. *Kiva* 21: 19-22.
- Hayden, J. D. 1967. Summary of prehistory and history of the Sierra Pinacate, Sonora. *American Antiquity* 32: 335-344.
- Hayden, J. D. 1969. Gyratory crushers of the Sierra Pinacate, Sonora. *American Antiquity* 34: 154-161.
- Hayden, J. D. 1972. Hohokam petroglyphs of the Sierra Pinacate, Sonora and the Hohokam shell expeditions. *Kiva* 37(2): 74-83.

- Hayden, J. D. 1976. Pre-altithermal archaeology in the Sierra Pinacate, Sonora, Mexico. *American Antiquity* 41: 274-289.
- Hayden, J. D. 1982. Ground figures of the Sierra Pinacate, Sonora, Mexico. Pp. 581-595 in, R. H. McGuire and M. B. Schiffer (eds.), *Hohokam and Patayan: Prehistory of Southern Arizona*. Academic Press, New York.
- Hayden, J. D. and J. W. Dykinga. 1998. *The Sierra Pinacate*. Southwest Center Series, University of Arizona Press, Tucson.
- Hayes, M. L., M. E. Johnson and W. T. Fox. 1993. Rocky-shore biotic associations and their fossilization potential: Isla Requeson (Baja California Sur, Mexico). *Journal Coastal Research* 9: 944-957.
- Heath, W. G. 1967. Ecological significance of temperature tolerance in Gulf of California shore fishes. *Journal of the Arizona Academy of Sciences* 4:172-178.
- Hedgpeth, J. W. 1945. The United States Fish Commission Steamer Albatross. *Neptune* 5:5-26.
- Hedgpeth, J. W. 1978a. *The Outer Shores. Part 1. Ed Ricketts and John Steinbeck Explore the Pacific Coast*. Mad River Press, Eureka, CA.
- Hedgpeth, J. W. 1978b. *The Outer Shores. Part 2. Breaking Through*. Mad River Press, Eureka, CA.
- Helenes, J. and A. L. Carreño. 1999. Neogene sedimentary evolution of Baja California in relation to regional tectonics. In C. Lomnitz (ed.), *Earth sciences in Mexico: some recent perspectives*, *Journal of South American Sciences*, Special Issue, 12 (6):589-605.
- Helenes, J., A. L. Carreño, M. A. Esparza, and R. M. Carrillo. 2005. Neogene paleontology in the Gulf of California and the geologic evolution of Baja California. VII International meeting on the geology of the Baja California peninsula. Ensenada, B.C. Proceedings, p. 2.
- Helenes, J., A. L. Carreño and R. M. Carrillo. 2009. Middle to late Miocene chronostratigraphy and development of the northern Gulf of California. *Marine Micropaleontology* 72: 10-25.
- Helenes-Escamilla, J. 1980. Stratigraphy, depositional environments and Foraminifera of the Miocene Tortugas Formation, Baja California, Mexico. *Boletín de la Sociedad Geológica Mexicana*, 41 (1-2):47-67.
- Helps, A. 1857. *The Spanish Conquest of America, Vols. 1-3*. John Lane, London.
- Hely, A. G. 1969. Lower Colorado River water supply—its magnitude and distribution. U. S. Geol. Sur. Professional Paper 486-D.
- Hely, A. G., G. H. Hughes and B. Ireland. 1966. Hydrologic regimen of Salton Sea, California. U. S. Geol. Sur. Professional Paper 486-C.
- Hely, A. G. and E. L. Peck. 1964. Precipitation, Runoff and Water Loss in the lower Colorado River-Salton Sea Area. Geological Survey Professional Paper 486-B. Government Printing Office, Washington, D.C. 16 pp.
- Henderson, A., G. Galeano and R. Bernal. 1995. *Field Guide to the Palms of the Americas*. Princeton University Press, Princeton, NJ.
- Henderson, D. A., 1972. *Men and Whales at Scammon's Lagoon*. Dawson's Book Shop, Los Angeles. 313 pp.
- Hendrickson, D. A., H. Espinosa Pérez, L. T. Findley, W. Forbes, J. R. Tomelleri, R. L. Mayden, J. L. Nielsen, B. Jensen, G. Ruiz Campos, A. Varela Romero, A. van der Heiden, F. Camarena, and F. J. García de León. 2003. Mexican native trouts: a review of their history and current systematic and conservation status. *Reviews in Fish Biology and Fisheries* 12: 273-316.

- Hendrickson, J. R. 1973. Study of the marine environment in the northern Gulf of California. Final Report, National Technical Information Service Publication N74-16008. Washington, D.C.
- Hendrickx, M.E. 1984. The species of *Sicyonia* H. Milne Edwards (Crustacea: Penaeoidea) of the Gulf of California, México, with a key for their identification and a note on their zoogeography. *Revista de Biología Tropical* 32 (2): 279–298.
- Hendrickx, M.E. 1985. Diversidad de los macroinvertebrados bentónicos acompañantes del camarón en el área del Golfo de California y su importancia como recurso potencial. Cap. 3, pp. 95–148 in: Yañez-Arancibia, A. (ed.), *Recursos potenciales pesqueros de México: La pesca del camarón*. Programa Universitario de Alimentos, Instituto de Ciencias del Mar y Limnología, Instituto Nacional de Pesca, UNAM, México.
- Hendrickx, M.E. 1990. The stomatopod and decapod crustaceans collected during the GUAYTEC II Cruise in the Central Gulf of California, México, with the description of a new species of *Plesionika* Bate (Caridea: Pandalidae). *Revista de Biología Tropical* 38(1): 35–53.
- Hendrickx, M.E. 1993. Crustáceos decápodos del Pacífico Mexicano. Pp. 271–318, in *Biodiversidad Marina y Costera de México*. Salazar-Vallejo, S.I. y N.E. González (eds.). Comisión Nacional para el Estudio de la Biodiversidad y CIQRO, México.
- Hendrickx, M.E. 1995. Checklist of lobsters-like decapod crustaceans (Crustacea: Decapoda: Thalassinidea, Astacidea and Palinuridea) from the Eastern Tropical Pacific. *Anales del Instituto de Biología, UNAM*. 66 (2): 153–165.
- Hendrickx, M.E. 1995. Checklist of brachyuran crabs (Crustacea: Decapoda) from the Eastern Tropical Pacific. *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* 65: 125–150.
- Hendrickx, M.E. 1996. Habitats and biodiversity of decapod crustaceans in the southeastern Gulf of California. *Revista de Biología Tropical* 44 (2):603–617.
- Hendrickx, M.E. 1996. *Los camarones Penaeoidea bentónicos (Crustacea: Decapoda: Dendrobranchiata) del Pacífico mexicano*. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad e Instituto de Ciencias del Mar y Limnología, UNAM, México.
- Hendrickx, M.E. 1997. *Los cangrejos braquiuros (Crustacea: Brachyura: Dromiidae, hasta Leucosiidae) del Pacífico mexicano*. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad e Instituto de Ciencias del Mar y Limnología, UNAM, México.
- Hendrickx, M.E. 1999. *Los cangrejos braquiuros (Crustacea: Brachyura: Majoidea y Parthenopoidea) del Pacífico mexicano*. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad e Instituto de Ciencias del Mar y Limnología, UNAM, México.
- Hendrickx, M.E. 2001. Occurrence of a continental slope deep-water decapod crustacean community along the edge of the minimum oxygen zone in the southeastern Gulf of California, Mexico. *Belgian Journal Zoology* 131:71–86.
- Hendrickx, M.E (ed). 2002. *Contribuciones al Estudio de los Crustáceos del Pacífico Este*, Vol. 1. Instituto de Ciencias del Mar y Limnología, UNAM, México.
- Hendrickx, M. E. 2014. First record of the caridean shrimp genus *Bresilia* Calman, 1896 (Crustacea: Decapoda: Bresiliidae) from the East Pacific and description of a new species. *Zootaxa* 3878(2): 185-195.
- Hendrickx, M. E. 2010. A new species of *Glyphocrangon* (Decapoda: Caridea: Glyphocrangonidae) from off the coast of western Mexico. *Zootaxa* 2372: 358-366.
- Hendrickx, M. E. 2011. Distribution and abundance of *Neocrangon resima* (Rathbun, 1902) (Decapoda: Caridea: Crangonidae) collected during the TALUD XIV cruise in the Gulf of California, Mexico. *Nauplius* 19: 129-134.

- Hendrickx, M. E. 2012. Distribution and abundance of the pelagic processid, *Processa pippinae* Wicksten & Méndez, 1985 (Decapoda, Caridea, Processidae), collected during the Talud XIV Cruise in the Gulf of California, Mexico, and description of a new genus. *Crustaceana* 85: 463-472.
- Hendrickx, M. E. 2012. Squat lobsters (Crustacea: Decapoda: Galatheaidea and Chirostyloidea) collected during the TALUD XIV cruise in the Gulf of California, Mexico, and rediscovery of *Gastroptychus perarmatus* (Haig, 1968) in the Eastern Pacific. *Zootaxa* 3418: 28-40.
- Hendrickx, M. E. 2012. Pandalid shrimps (Crustacea: Decapoda: Caridea: Pandalidae) collected during the TALUD XIV cruise in the Gulf of California, Mexico, and rediscovery of *Plesionika carinirostris* Hendricks, 1989. *Cah. Biol. Mar.* 53: 495-504.
- Hendrickx, M. E. 2013. Prevalence and distribution of the dinoflagellate *Thalassomyces californiensis* Collard, 1966 (Ellobiopsidae) on *Pasiphaea emarginata* Rathbun, 1920 (Decapoda, Caridea, Pasiphaeidae), off western Mexico. *Crustaceana* 86: 693-703.
- Hendrickx, M. E. 2014. Deep-water species of Crangonidae and Glyphocrangonidae (Decapoda, Caridea) collected during the Talud XV Cruise off the west coast of southern Baja California, Mexico. *Crustaceana* 87: 83-90.
- Hendrickx, M. E. 2014. First record of the caridean shrimp genus *Bresilia* Calman, 1896 (Crustacea: Decapoda: Bresiliidae) from the east Pacific and description of a new species. *Zootaxa* 3878(2): 185-195.
- Hendrickx, M. E. 2014. *Calyptraeotheres* sp. nov. (Crustacea: Decapoda: Pinnotheridae), symbiont of the slipper shell *Crepidula striolata* Menke, 1851 (Mollusca: Gastropoda: Calyptraeidae) from the Gulf of California, Mexico.
- Hendrickx, M. E. 2015. Specimens of *Stereomastis pacifica* (Faxon, 1893) collected during the TALUD XVI-B cruise off the west coast of the Baja California Peninsula, Mexico. *Crustaceana* 88 (2): 203-207.
- Hendrickx, M. E. 2015. Further records of species of *Gennades* (Decapoda: Brachyura: Majoidea: Epialtidae) in the Mexican Pacific. *Zootaxa* 3980(3): 417-426.
- Hendrickx, M. E. 2015. Further records of species of *Chorilia turgida* (Crustacea, Decapoda, Dendrobranchiata, Benthescymidae) from the Pacific coast of Mexico. *Zootaxa* 3980(3): 417-426.
- Hendrickx, M. E. 2015. Clearing up a 17 years old editorial slip: The case of *Benthescymus bartletti* S. I. Smith, 1882. *Crustaceana* 88(4): 502-503.
- Hendrickx, M. E. 2015. First records from Pacific Mexico of the rare deep-water mysid *Ceratomyxis spinosa* (Crustacea, Peracarida, Mysida, Petalophthalmidae). *Marine Biodiversity Records* 8: 1-4. doi:10.1017/S1755267215000780
- Hendrickx, M. E. and M. Ayón Parente. 2010. A new species of *Munida* Leach (Decapoda, Galatheaidea) from off the west coast of Baja California, Mexico. *Studies in Malacostraca, Lipke Bijdeley Holthuis Memorial Volume*, pp. 305-314.
- Hendrickx, M. E. and M. Ayón-Parente. 2011. Rediscovery of *Uroptychus pubescens* Faxon, 1893 (Decapoda, Anomura, Chirostyliidae) in the southern Gulf of California, Pacific coast of Mexico. *Crustaceana* 84: 1411-1420.
- Hendrickx, M. E. and M. Ayón-Parente. 2014. Two new species of deep-water *Caprella* (Peracarida, Amphipoda, Caprellidae) from the Pacific coast of Mexico collected during the Talud XIV Cruise, with a checklist of the species of Caprellidae recorded for the Eastern Pacific. *Crustaceana* 87: 41-63.

- Hendrickx, M. E. and M. Ayón-Parente. 2014. A new deep-water species of *Odontozona* (Decapoda: Stenopodidae) from the East Pacific, and a new record of *O. foresti* Hendrickx, 2002. *Zootaxa* 3835: 338-348.
- Hendrickx, M. E., M. Ayón Parente, B. E. Mejía-Mercado and A. Hinojosa-Corona. 2014. Registros de especies de Crustáceos Decápodos (Crustacea: Decapoda). Pp. 176-190 in, B. E. M. Mercado, A. H. Corona and M. E. Hendrickx, *Explorando el Mar Profundo del Golfo de California, 2008-2014*. CICESE, Ensenada, Mexico.
- Hendrickx, M. E., M. Ayón Parente and D. Serrano. 2011. Additional record of *Janetogalatea californiensis* (Anomura: Galatheidae) from the central Gulf of California, Mexico, with notes on its distribution. *Hidrobiológica* 21: 89-94.
- Hendrickx, M. E. and R. C. Brusca. 2003. Biodiversidad de los invertebrados marinos de Sinaloa. Pp. 141–163 in J. L. Cifuentes (ed.), *Atlas de los Ecosistemas y la Biodiversidad de Sinaloa*. Centro de Ciencias de Sinaloa, México.
- Hendrickx, M. E. and R. C. Brusca. 2007. Distribución de invertebrados marinos endémicos en el Golfo de California, México. XII Congreso Latino-Americano de Ciências do Mar, Florianópolis, 15 a 19 de Abril de 2007. Memorias AOCEANO – Associação Brasileira de Oceanografia, 4 pp.
- Hendrickx, M. E., R. C. Brusca, M. Cordero, and G. Ramírez R. 2007. Marine and brackish-water molluscan biodiversity in the Gulf of California, Mexico. *Scientia Marina* 71 (4):637–647.
- Hendrickx, M. E., R. C. Brusca, and L. T. Findley (eds.). 2005. A Distributional Checklist of the Macrofauna of the Gulf of California, Mexico. Part I. Invertebrates. Arizona-Sonora Desert Museum and Conservation International. 429 pp.
- Hendrickx, M. E., R. C. Brusca, and G. Ramirez Resendiz. 2002. Biodiversity of Macrocrustaceans in the Gulf of California, Mexico. Pp. 349–368 in M.E. Hendrickx (ed.), *Contributions to the Study of East Pacific Crustaceans_Vol. 1*. Instituto de Ciencias del Mar y Limnología, UNAM, Mexico.
- Hendrickx, M.E. and F.D. Estrada Navarrete. 1989. A checklist of the species of pelagic shrimps (Penaeoidea and Caridea) from the eastern Pacific with notes on their geographic and depth distribution. *CalCOFI Reports* 30: 104–121.
- Hendrickx, M. E. and F. D. Estrada Navarrete. 1996. *Los camarones Pelágicos (Crustacea: Dendrobranchiata y Caridea) del Pacífico mexicano*. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad e Instituto de Ciencias del Mar y Limnología, UNAM, México.
- Hendrickx, M. E. and A. W. Harvey. 1999. Checklist of anomuran crabs (Crustacea: Decapoda) from the Eastern Tropical Pacific. *Belgian Journal of Zoology* 129 (2): 327–352.
- Hendrickx, M. E. & P. A. Hastings. 2007. Ecological data for *Myxine circifrons* Garman, 1899 (Myxiniformes: Myxinidae) in the Gulf of California, Mexico. *Hidrobiológica* 17(3):81-84.
- Hendrickx, M. E., A. Hinojosa and M. Ayón-Parente. 2013. In situ observations on the habitat and abundance of the squat lobster *Gastroptychus perarmatus* (Haig, 1968) (Crustacea: Decapoda: Chirostylidae) in the northern Gulf of California, Mexico. *Journal of threatened Taxa* 5(17): 5228-5236.
- Hendrickx, M. E. and J. López. 2012. Additional data related to the distribution of ventrally sclerotized species of *Lepidophthalmus* Holmes, 1904 (Decapoda: Axiidea, Callianassidae, Challichirinae) from the Tropical Eastern Pacific. *CICIMAR Océánides* 27(2): 59-63.

- Hendrickx, M. E., C. Mah, and C. Magno Zárate-Montes. 2011. Deep-water Asteroidea (Echinodermata) collected during the TALUD cruises in the Gulf of California, Mexico. *Revista Mexicana de Biodiversidad* 82: 798-824.
- Hendrickx, M. E., F. Páez-Osuna and H. M. Zazueta-Padilla. 1998. Biology and biochemical composition of the deep-water shrimp *Heterocarpus vicarious* Faxon (Crustacea: Decapoda: Caridea: Pandalidae) from the southeastern Gulf of California, Mexico. *Bulletin of Marine Science* 63(2): 265-275.
- Hendrickx, M. E. and V. Papiol. 2015. Distribution of *Benthesicymus tanneri* Faxon, 1893 (Dendrobranchiata, Benthesicymidae) off the west coast of Mexico and notes on its morphology. *Zookeys* 473: 119-136. doi: 10.3897/zookeys.473.8956
- Hendrickx, M. E. and V. Papiol. 2015. Insights on the biology and ecology of the deep-water shrimp *Parapontophilus occidentalis* (Faxon, 1893) (Crustacea: Caridea: Crangonidae) in the eastern Pacific with notes on its morphology. *Zootaxa* 4007(3): 370-388.
- Hendrickx, M. E., D. L. Pawson, B. E. Mejía-Mercado, M. Ayon-Parente and A. Hinojosa-Corona. 2014. Registros de especies de Holothuroidea (Echinodermata). Pp. 191-205 in, B. E. M. Mercado, A. H. Corona and M. E. Hendrickx, *Explorando el Mar Profundo del Golfo de California, 2008-2014*. CICESE, Ensenada, Mexico.
- Hendrickx, M.E. and J. Salgado Barragán. 1989. Ecology and fishery of stomatopods in the Gulf of California. Pp. 241–249 in E.A. Ferrero (ed.) (R.B. Manning, M.L. Reaka, W. Wales co-eds.). *Biology of stomatopods, Collana UZI: Selected Symposia and Monographs*, Mucchi Editore, Modena (Italy).
- Hendrickx, M.E. and J. Salgado Barragán. 1991. Los estomatópodos (Crustacea: Hoplocarida) del Pacífico mexicano. *Publicación Especial, Instituto de Ciencias del Mar y Limnología, UNAM* 10: 1–200.
- Hendrickx, M.E., J. Salgado Barragán, A. Toledano-Grandos and M. Cordero-Ruiz. 2014. Mollusks (Pelecypoda, Gastropoda, Cephalopoda, Polyplacophora and Scaphopoda) collected in the SE Gulf of California during the SIPCO cruises aboard the R/V “El Puma.” Faunistic catalog. *Revista Mexicana de Biodiversidad* 85: 682-722.
- Hendrickx, M. E., B. Urbano and P. Zamorano. 2015. Distribution of pelagic squids *Abraliopsis* Joubin, 1896 (Enoploteuthidae) and *Pterygioteuthis* P. Fischer, 1896 (Pyroteuthidae) (Cephalopoda, Decapodiformes, Oegopsida) in the Mexican Pacific. *ZooKeys* 537: 51-64.
- Hendrickx, M. E. and M. K. Wicksten. 2011. New distribution ranges and records of caridean shrimps (Crustacea: Decapoda: Caridea) from the west coast of Mexico. *Hidrobiológica* 21(1): 26-33.
- Hendrickx, M.E., I. Winfield & M. Ortiz. 2014. New records of the deep-water *Epimeria morronei* Winfield, Ortiz & Hendrickx, 2012 (Amphipoda: Gammaridea: Epimeriidae) in the East Pacific. *Crustaceana* 87 (14): 1699-1703.
- Henny, C. J. 1988. Osprey. Pp. 73–101 in R. S. Palmer (ed.), *Handbook of North American Birds, Vol. 4*. Yale University Press, New Haven, Connecticut.
- Henny, C. J. 2007. Population size and trends for nesting ospreys in northwestern México: region-wide surveys, 1977, 1992/1993 and 2006 (Vol. Open-File Report 2007-1298, pp. 15). Reston, Virginia: US Geological Survey.
- Henny, C. J. and D. W. Anderson. 1979. Osprey distribution, abundance, and status in western North America: III. The Baja California and Gulf of California population. *Bulletin of the Southern California Academy of Science* 78:89–106.

- Henny, C. J. and D. W. Anderson. 2004. Status of nesting ospreys in coastal Baja California, Sonora and Sinaloa, Mexico, 1977 and 1992–1993. *Bulletin of the Southern California Academy of Sciences* 103:95–114.
- Henny, C.J., D.W. Anderson, A. Castellanos Vera and J.-L.E. Cartron. 2008. Region-wide trends of nesting Ospreys in northwestern Mexico: A three decade perspective. *Journal Raptor Research* 42:229–242.
- Henny, C. J., D. W. Anderson, A. C. Vera and J. L. E. Cartron. 2008. Region-wide trends of nesting ospreys in northwestern México: A three-decade perspective. *Journal of Raptor Research* 42(4): 229-242.
- Henny, C. J. and R. Anthony. 1989. Bald eagle and osprey. Pp. 66–75 in *Western Raptor Management Symposium and Workshop*. Scientific and Technical Series No. 12. National Wildlife Federation, Washington, D.C.
- Henny, C. J. and H. M. Wight. 1969. An endangered osprey population: estimates of mortality and production. *Auk* 86:188–198.
- Henry, C. D. 1989. Late Cenozoic Basin and Range structure in western Mexico adjacent to the Gulf of California. *Geological Society of America Bulletin* 101: 1147-1156.
- Henry, C. and J. Aranda-Gómez. 2000. Plate interactions control middle-late Miocene ProtoGulf and Basin and Range extension in the southern Basin and Range. *Tectonophysics* 318: 1-26.
- Hernández, A. and W. Kempton. 2003. Changes in fisheries management in Mexico: effects of increasing scientific input and public participation. *Ocean and Coastal Management* 46: 507-526.
- Hernández-Carmona, G., R. Riosmena-Rodríguez, E. Serviere-Zaragoza and G. Ponce-Díaz. 2011. Effect of nutrient availability on understory algae during El Niño Southern Oscillation (ENSO) conditions in Central Pacific Baja California. *J. Appl. Phycol.* 23: 635-642.
- Hernández-Azcúnaga, L., N. Carbajal. And Y. Montaña-Ley. 2014. Bedload transport of sediments and morphodynamics in the northern Gulf of California. *Journal of Coastal Research* 30(2): 228-236.
- Hernández-Ayón, J. M., C. Chapa-Balcorta, F. Delgadillo-Hinojosa, V. F. Camacho-Ibar, M. A. Huerta-Díaz, E. Santamaria-del-Angel, M. S. Galindo-Bect and J. A. Segovia-Zavala. 2013. Dynamics of dissolved inorganic carbon in the Midriff Islands region of the Gulf of California: Influence of water masses. *Ciencias Marinas* 29: 183-201.
- Hernández-Ayón, M., S. Galindo-Bect, B. P. Flores-Báez, and S. Alvarez-Borrego. 1993. Nutrient concentrations are high in the turbid waters of the Colorado River delta. *Estuarine, Coastal and Shelf Science* 37:593–602.
- Hernández-Azcúnaga, L., N. Carbajal. And Y. Montaña-Ley. 2014. Bedload transport of sediments and morphodynamics in the northern Gulf of California. *Journal of Coastal Research* 30(2): 228-236.
- Hernández Becerril, D. U. and S. Álvarez Borrego. 1983. Diatomeas bentónicas en Bahía San Quintín, B.C. *Ciencias Marinas* 9(2): 121-131.
- Hernández-Cornejo, R., N. Koedam, A. Ruiz-Luna, M. Troell and F. Dahdouh-Guebas. 2005. Remote sensing and ethnobotanical assessment of the mangrove forest changes in the Navachiste-San Ignacio-Macapule lagoon complex, Sinaloa, Mexico. *Ecology and Society* 10: 21-31.

- Hernández de la Torre, B. and G. Gaxiola Castro (eds.). 2007. *Carbono en Ecosistemas Acuáticos de México*. Secretaría de Medio Ambiente y Recursos Naturales, Instituto Nacional de Ecología, and CICESE, Mexico.
- Henández-Guerrero, C, E. Zubía, M. J. Ortega and J. L. Carballo. 2006. Sesterterpene metabolites from the sponge *Hyatella intestinales*. *Tetrahedron* 62: 5392-5400.
- Hernández-Guerrero C. J., E. Zubía, M. J. Ortega and J. L. Carballo. 2007. Cytotoxic dibromotyrosine-derived metabolites from the sponge *Aplysina gerardogreeni*. *Bioorganic & Medicinal Chemistry* 15: 5275-5282
- Hernández-Herrera, A., E. Morales-Bojórquez, M. Cisneros-Mata, M. O. Nevárez-Martínez, and G. I. Rivera-Parra. 1998. Management strategy for the giant squid (*Dosidicus gigas*) fishery in the Gulf of California, Mexico. *CalCOFI Report* Vol. 39.
- Hernández-Muñoz, A. T., C. Rodríguez-Jaramillo, A. Mejía-Rebollo and C. A. Salinas-Zavala. 2015. Reproductive strategy in jumbo squid *Dosidicus gigas* (D'Orbigny, 1835): A new perspective. *Fisheries Research*, doi.org/10.1016/j.fishres.2015.09.005.
- Hernández-Sandoval, F. H., D. J. López-Cortés, C. J. Band-Schmidt, J. J. Bustillos-Guzmán and I. Garate-Lizárraga. 2009. Toxinas paralizantes en moluscos bivalvos durante una proliferación de *Gymnodinium catenatum* en la Bahía de La Paz, México. *Hidrobiologica* 19(3): 245-256.
- Hernández-Trejo, V., M. Ramírez-Rodríguez, G. Ponce-Díaz and L. Almendarez-Hernández. 2014. Economic rent of jumbo squid *Dosidicus gigas* fisheries typical production units in the Gulf of California. *Hidrobiológica* 24(10): 62-64.
- Herrera-Cervantes, H., S. Lluch-Cota, D. Luch-Cota, S. Gutierrez-de-Velasco and D. Lluch-Belda. 2010. ENSO influence on satellite-derived chlro0hyll trends in the Gulf of California. *Atmós.* 23: 253-262.
- Herrera-Martínez, P., S. Álvarez-Hernández, M. Méndezp-Trejo and R. Riosmena-Rodríguez. 2013. Pp. 107-130 in, R. Riosmena-Rodríguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Herrera-Valdivia, E., J. López-Martínez and S. Castillo Vargasmachuca. 2015. Estrés en la comunidad íctica en la pesca de arrastre del camarón en el norte del Golfo de California. *Rev. Biol. Trop.* 63: 741-754.
- Herrero-Pérezrul, M. D., H. Reyes Bonilla, F. García-Domínguez, and C. E. Cintra-Buenrostro. 1999. Reproduction and growth of *Isostichopus fuscus* (Echinodermata: Holothuroidea) in the southern Gulf of California, México. *Marine Biology* 135: 521-532.
- Hertlein, L. G. 1966. Pliocene fossils from Rancho el Refugio, Baja California, and Cerralvo Island, Mexico. *Proceedings of the California Academy of Sciences* 30: 265-284.
- Hertlein, L. G. and E. K. Jordan. 1927. Paleontology of the Miocene of Lower California. *Proceedings of the California Academy of Sciences*, ser. 4, 16 (19): 605-647.
- Hetzinger, J., J. Halfar, B. Riegl, L. Godinez-Orta. 2006. Sedimentology and acoustic mapping of modern rhodolith beds on a non-tropical carbonate shelf (Gulf of California, Mexico) *Journal of Sedimentary Research* 76:670-682.
- Heyning, J. E. and W. F. Perrin. 1994. Evidence for two species of common dolphins (genus *Delphinus*) from the eastern North Pacific. *Natural History Museum of Los Angeles County Contributions in Science* 442:1-35.
- Hickey, J. J. and D. W. Anderson. 1968. Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. *Science* 162:271-273.

- Hidalgo-de-la-Toba, J. A., S. S. González-Peláez, E. Moreales-Bojórquez, J. J. Bautista-Romero and D. B. Lluch-Cota. 2015. Geoduck *Panopea generosa* growth at its southern distribution limit in North America using a multimodal inference approach. *Journal of Shellfish Research* 34(1): 91-99.
- Hidalgo-González R. M. and S. Álvarez-Borrego. 2001. Chlorophyll profiles and the water column structure in the Gulf of California. *Oceanol. Acta* 24: 19–28.
- Hidalgo-González, R. M. and S. Alvarez-Borrego. 2004. Total and new production in the Gulf of California estimated from ocean color data from the satellite sensor SeaWiFS. *Deep-Sea Research II*, 51:739–752.
- Hidalgo-González, R. M., S. Alvarez-Borrego, and A. Zirino. 1997. Mixing in the region of the Midriff Islands of the Gulf of California: Effect on surface pCO₂. *Ciencias Marinas* 23:317–327.
- Hill, A., C. Green and E. Palacios. 2012. Genetic diversity and population structure of North America's rarest heron, the reddish egret (*Egretta rufescens*). *Conservation Genetics* 13:535–543.
- Hilton-Taylor, C. (compiler). 2000. *IUCN Red List of Threatened Species*. IUCN, Gland, Switzerland. 61 pp.
- Hilton-Taylor, C. 2004. *IUCN Red List of Threatened Species*. Gland: World Conservation Union.
- Hily, C., P. Potin, and J.-Y. Floc'h. 1992. Structure of subtidal algal assemblages on soft-bottom sediments: fauna/flora interactions and role of disturbances in the Bay of Brest, France. *Marine Ecology Progress Series* 85:115–130.
- Hinojosa-Arango, G., C. A. Maggs, M. P. Johnson and R. Riosmena-Rodríguez. 2013. When rhodoliths do not roll: invertebrate community responses to environmental stability and natural disturbance. Pp. 131-152 in, R. Riosmena-Rodríguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Hinojosa-Arango, G. and R. Riosmena-Rodríguez. 2004. Influence of rhodolith-forming species and growth-form on associated fauna of rhodolith beds in the Central-West Gulf of California, Mexico. *PSZN Marine Ecology* 25:109–127.
- Hinojosa-Huerta, O., M. Briggs, Y. Carrillo-Guerrero, E. Glenn, M. Lara-Flores and M. Roman-Rodríguez, M. 2005. Community-based restoration of desert wetlands: The case of the Colorado River Delta. USDA Forest Service Gen. Tech. Rep. PSW-GTR-191. Pp. 637-645.
- Hinojosa-Huerta, O., S. DeStefano, et al. 2000. Abundance, distribution, and habitat use of the Yuma clapper rail (*Rallus longirostris yumanensis*) in the Colorado River Delta, Mexico. Final Report. Arizona Cooperative Fish and Wildlife Research Unit, University of Arizona, Tucson 78.
- Hinojosa-Huerta, O., S. DeStefano, Y. Carillo-Guerrero, W. Shaw, and C. Valdes. 2004. Waterbird communities and associated wetlands of the Colorado River delta, Mexico. *Studies in Avian Biology* 27: 52-60.
- Hinojosa-Huerta, O., S. DeStefano and W. Shaw. 2002. Evaluation of call-response surveys for monitoring breeding Yuma Clapper Rails (*Rallus longirostris yumanensis*). *Journal of Ornithology*. 73(2): 151–155.
- Hinojosa-Huerta, O., S. DeStefano and W. Shaw. 2001. Distribution and abundance of the Yuma clapper rail (*Rallus longirostris yumanensis*) in the Colorado River delta, Mexico. *Journal of Arid Environments*. 49: 171–182.

- Hinojosa-Huerta, O., J. García-Hernández, and W. Shaw. 2002. Andrade Mesa wetlands of the All-American Canal. *Natural Resources Journal* 42:899–914.
- Hinojosa-Huerta O., P. L. Nagler, Y. Carrillo Guerrero, E. Zamora-Hernández, J. Garcia-Hernández, F. Zamora Arroyo and E. Glenn. 2002. Andrade Mesa wetlands of the All-American Canal. *Natural Resources Journal* 42: 900-914.
- Hinojosa-Huerta, O., H. Iturribarria-Rojas, E. Zamora-Hernandez and A. Calvo-Fonseca. 2006. Densities, species richness and habitat relationships of the avian community in the Colorado River Delta, Mexico. *Studies in Avian Biology* 37: 69–73.
- Hinojosa-Huerta, O., P. L. Nagler, Y. Carrillo-Guerrero and E. P. Glenn. 2013. Effects of drought on birds and riparian vegetation in the Colorado River Delta, Mexico. *Ecol. Eng.* 59: 104-110.
- Hinojosa-Huerta, O., J. J. Rivera, H. Iturribarria-Rojas and A. Calvo-Fonseca. 2006. Population trends of Yuma clapper rails in the Colorado River delta, Mexico. *Studies in Avian Biology*. 37: 74–82.
- Hinojosa-Huerta, O., W. Shaw and S. DeStefano. 2001. Detections of California black rails in the Colorado River Delta, Mexico. *Western Birds*. 32: 228-232.
- Hinojosa-Huerta, O., E. Soto-Montoya, M. Gómez-Sapiens, A. Calvo-Fonseca, R. Guzmán-Olachea, J. Butrón-Méndez, J. J. Butron-Rodríguez and M. Román-Rodríguez. 2013. The birds of the Ciénega de Santa Clara, a wetland of international importance within the Colorado River Delta. *Ecological Engineering* 59: 61-73.
- Hinton, S. 1987. *Seashore Life of Southern California*. University of California Press, Berkley and Los Angeles, CA.
- Hobson, E. S. 1968. Predatory behavior of some shore fishes in the Gulf of California. Bureau of Sports Fishing and Wildlife, Research Reports 73:1–73.
- Hodge, Frederick W. and T. H. Lewis (eds.). 1907. *Spanish Explorers in the Southern United States, 1528-1543*. Barnes and Noble, New York.
- Hodge, Frederick W. (ed.). 1946. *The Narrative of the Expedition of Coronado, by Pedro de Castaneda in, Spanish Explorers in the Southern United States*, pp. 281-387. Barnes & Noble, New York.
- Hodgson, W.C. 2000. *Food Plants of the Sonoran Desert*. University of Arizona Press, Tucson.
- Hodson, H. 2014. Colorado River back from the dead. *New Scientist* 221 (2969): 8-9. [http://dx.doi.org/10.1016/S0262\(14\)60509-1](http://dx.doi.org/10.1016/S0262(14)60509-1)
- Hodson, H. 2014. Colorado River back from the dead. *New Scientist* 221 (2969): 8-9. [http://dx.doi.org/10.1016/S0262\(14\)60509-1](http://dx.doi.org/10.1016/S0262(14)60509-1)
- Hoelzer, G. A. 1990. Male-male competition and female choice in the Cortez damselfish, *Stegastes rectifraenum*. *Animal Behaviour* 40:339–349.
- Hoelzer, G. A. 1995. Filial cannibalism and male parental care in damselfishes. *Bulletin of Marine Science* 57:663–671.
- Hoese, D. F. 1976. Variation, synonymy and a redescription of the gobiid fish *Aruma histrio*, and a discussion of the related genus *Ophiogobius*. *Copeia* 1976 (2):295–305.
- Hoese, D. F. and H. K. Larson 1985. Revision of the eastern Pacific species of the genus *Barbulifer* (Pisces: Gobiidae). *Copeia* 1985 (2):333–339.
- Hoffman, S. G. 1983. Sex-related foraging behavior in sequentially hermaphroditic hogfishes (*Bodianus* spp.). *Ecology* 64:798–808.

- Hoffman, S. G. 1985. Effects of size and sex on the social organization of reef-associated hogfishes, *Bodianus* spp. *Environmental Biology of Fishes* 14:185–197.
- Holden, P. B. and C. B. Stalnaker. 1975. Distribution and Abundance of Mainstream Fishes of the Middle and Upper Colorado River Basins, 1967-1973. *Transactions of the American Fisheries Society* 104(2): 217-231.
- Holguín Quiñones, O. F., J. L. Sánchez Lisazo and H. Wriht López. 2013. Some affinities between mollusks (Gastropoda, Bivalvia, Polyplacophora and Cephalopoda) and the environment in the Gulf of Californai and the western Mediterranean Sea. Ppo. 153-180 in, R. Riosmena-Rodriguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Holland, J. and S. Chamberlain. 2007. Ecological and evolutionary mechanisms for low seed: ovule ratios: need for a pluralistic approach? *Ecology* 88(3): 706-715.
- Holland, J., S. Chamberlain and K. Horn. 2009. Optimal defense theory predicts investment in extrafloral nectar resources in an ant-plant mutualism. *Journal of Ecology* 97(1): 89-96.
- Holland, J., S. Chamberlain and K. Horn. 2009. Temporal variation in extrafloral nectar secretion by reproductive tissues of the senita cactus, *Pachycereus schottii* (Cactaceae), in the Sonoran Desert of México. *Journal of Arid Environments*.
- Holland, J., S. Chamberlain, A. Waguespack and A. Kinyo. 2009. Effects of pollen load and donor diversity on seed and fruit mass in the columnar cactus, *Pachycereus schottii* (Cactaceae). *Int. J Plant Sci* 170(4): 467-475.
- Holland, J. N. and D. L. DeAngelis. 2009. Consumer-resource theory predicts dynamic transitions between outcomes of interspecific interactions. *Ecology Letters* 12: 1357-1366.
- Holland, J. N., D. L. DeAngelis and J. L. Bronstein. 2002. Population dynamics and mutualism: functional responses of benefits and costs. *American Naturalist* 231-244.
- Holland, J. N., D. L. DeAngelis and S. T. Schultz. 2004. Evolutionary stability of mutualism: interspecific population regulation as an evolutionarily stable strategy. *Proceedings of the Royal Society of London. Series B: Biological Sciences* 271(1550): 1807.
- Holland, J. N. and T. H. Fleming. 1999. Geographic and population variation in pollinating seed-consuming interactions between senita cacti (*Lophocereus schottii*) and senita moths (*Upiga virescens*). *Oecologia* 121(3): 405-410.
- Holland, J. N. and T. H. Fleming 1999. Mutualistic interactions between *Upiga virescens* (Pyralidae), a pollinating seed-consumer and *Lophocereus schottii* (Cactaceae). *Ecology* 80(6): 2074-2084.
- Holland, N. J. and T. H. Fleming. 2002. Co-pollinators and specialization in the pollinating seed-consumer mutualism between senita cacti and senita moths. *Oecologia* 133(4): 534-540.
- Hollingsworth, B. C. 1998. The systematics of chuckwallas (*Sauromalus*) with a phylogenetic analysis of other iguanid lizards. *Herpetological Monographs* 12: 38-191.
- Holmes, M. G. 1963. *From New Spain by Sea to the Californias by Sea, 1519-1668*. Arthur H. Clark, Glendale, CA.
- Holmgren, C. A., J. Norris and J. L. Betancourt. 2007. Inferences about winter temperatures and summer rains from the late Quaternary record of C₄ perennial grasses and C₃ desert shrubs in the northern Chihuahuan Desert. *Journal of Quaternary Science* 22: 141-161.
- Holmgren, C. A., J. L. Betancourt, M. C. Peñalba, J. Delgadillo, K. Zuravnsky, K. L. Hunter, K. A. Rylander and J. L. Weiss. 2014. Evidence against a Pleistocene desert refugium in the Lower Colorado River Basin. *Journal of Biogeography*, doi:10.1111/jbi.12337.

- Holmgren, C. A., J. L. Betancourt and K. A. Rylander. 2010. A long-term vegetation history of the Mojave/Colorado Desert ecotone at Joshua Tree National Park. *Journal of Quaternary Science* 25: 222-236.
- Holmgren, C. A., J. L. Betancourt and K. A. Rylander. 2011. Vegetation history along the eastern desert escarpment of the Sierra San Pedro Mártir, Baja California, Mexico. *Quaternary Research* 75: 647-657.
- Holmgren-Urba, D. and T. R. Baumgartner. 1993. A 250-year history of pelagic fish abundance from the anaerobic sediments of the central Gulf of California. *CalCOFI Reports* 34:60-68.
- Holt, J. W., W. E. Holtt and J. M. Stock. 2000. An age constraint on Gulf of California rifting from the Santa Rosalia Basin, Baja California Sur, Mexico. *Geological Society America, Bulletin* 112: 540-549.
- Hoover, C., T. Lindsay, J. H. R. Goddard and Á. Valdés. 2015. Seeing double: Pseudocryptic diversity in the *Doriopsilla albopunctata-Doriopsilla gemela* species complex of the northeastern Pacific. *Zoologica Scripta*. Doi: 10.1111/zsc.12123.
- Horn, K. C. and J. N. Holland. 2010. Discrimination among floral resources by an obligatory pollinating seed-eating moth: host-marking signals and pollination and florivory cues. *Evolutionary Ecology Research* 12: 119-129.
- Hornaday, W. T. 1908. *Campfires on Desert and Lava*. [reprinted in 1985] University of Arizona Press, Tucson.
- Horner, M., T. Fleming and C. Sahey. 1998. Foraging behaviour and energetics of a nectar-feeding bat, *Leptonycteris curasoae* (Chiroptera: Phyllostomidae). *Journal of Zoology* 244(4): 575-586.
- Horodyski, R. J. 1977. *Lyngbya* mats at Laguna Mormona, Baja California, Mexico. Comparison with Proterozoic stromatolites. *Journal Sedimentary Research* 47(3): 1305-1320.
- Horodyski, R. J., B. Bloeser and S. V. Haar. 1977. Laminated algal mats from a coastal lagoon, Laguna Marmona, Baja California, Mexico. *Journal of Sedimentary Petrology* 47(2): 680-696.
- Horodyski, J. J. and S. P. von der Haar. 1975. Recent calcareous stromatolites from Laguna Mormona (Baja California), Mexico. *Journal of Sedimentary Petrology* 45: 894-906.
- House, P. K., P. A. Pearthree, J. W. Bell, A. R. Ramelli and J. E. Faulds. 2002. New stratigraphic evidence for the Late Cenozoic inception and subsequent alluvial history of the lower Colorado River from near Laughlin, Nevada. *Geological Society of America Abstracts* 34(4): A-60.
- Houston, R. S. 2006 *Natural History Guide to the Northwestern Gulf of California and Adjacent Desert*. Xlibris Corp.
- Hoving, H.-J., W. F. Gilly, U. Markaida, K. J. Benoit-Bird, W. Zachary, W. Brown, P. Daniel, J. C. Field, L. Parassenti, B. Liu and B. Campos. 2013. Extreme plasticity in life-history strategy allows a migratory predator (jumbo squid) to cope with a changing climate. *Global Change Biology* 19: 2089-2103.
- Howard, K. A. and R. G. Bohannon. 2001. Lower Colorado River: upper Cenozoic deposits, incision, and evolution. Pp. 101-106 in, R. A. Young and E. Spamer (eds.), *Colorado River: Origin and Evolution*. Grand Canyon Association, Monograph 12.
- Howell, S. N. G. and S. Webb. 1995. *A Guide to the Birds of Mexico and Northern Central America*. Oxford University Press, New York.

- Hsiu-Chin Lin, C. Sánchez-Ortiz & P. A. Hastings. 2009. Colour variation is incongruent with mitochondrial lineages: cryptic speciation and subsequent diversification in a Gulf of California reef fish (Teleostei: Blennioidei). *Molecular Ecology* 18:2476-2488.
- Huang, D. and G. Bernardi. 2001. Disjunct Sea of Cortez-Pacific Ocean *Gillichthys mirabilis* populations and the evolutionary origin of their Sea of Cortez endemic relative, *Gillichthys seta*. *Marine Biology* 138 (2):421-428.
- Huato-Sobernis, L. and D. Lluch-Belda. 1987. Mesoscale cycles in the series of environmental indices to the sardine fishery in the Gulf of California. *CalCOFI Rept.* XXVIII: 128-134.
- Hubbs, C. L. 1948. Changes in the fish fauna of western North America correlated with changes in ocean temperature. *Journal of Marine Research* 7:459-482.
- Hubbs, C. L. 1952. A contribution to the classification of the blennioid fishes of the family Clinidae, with a partial revision of eastern Pacific forms. *Stanford Ichthyological Bulletin* 4(2):41-165.
- Hubbs, C. L. 1953. Revision of the eastern Pacific fishes of the clinid genus *Labrisomus*. *Zoologica* 38:113-136.
- Hubbs, C. L. 1960. The marine vertebrates of the outer coast [of Baja California]. *Systematic Zoology* 9 (3-4):134-147.
- Huckell, B. B. 1996. The Archaic prehistory of the North American Southwest. *J. World Prehistory* 10(3): 305-373.
- Huddleston, R. W. and G. T. Takeuchi. 2007. First fossil record of *Totoaba* Villamar, 1980 (Teleostei; Scianidae) based upon Early Miocene otoliths from California, with comments on the ontogeny of the saccular otolith. *Bulletin Southern California Academy of Science*, 106 (1):1-15.
- Huey, L. M., 1927. Birds recorded in spring at San Felipe, northeastern Lower California, Mexico, with a description of a new woodpecker from that locality. *Transactions of the San Diego Society of Natural History* 5:13-40.
- Humphrey, R.R. 1974. *The Boojum and its home*. University of Arizona Press, Tucson.
- Hundley, N., Jr. 1966. *Dividing the Waters: A Century of Controversy Between the United States and Mexico*. University of California Press, Los Angeles, CA. 266 pp.
- Hupp, B. and M. Malone. 2008. *The Edge of the Sea of Cortez. Tidewalker's Guide to the Upper Gulf of California*. Operculum, LLC.
- Hurley, E. and N. S. Blinick. 2011. Fledging chronology and behavior of Craveri's Murrelets (*Synthliboramphus craveri*) on Isla Alcatraz, Gulf of California, México. *Marine Ornithology* 39: 274-276.
- Hurtado, L. A., T. Erez, S. Castrezana and T. A. Markow. 2004. Contrasting population genetic patterns and evolutionary histories among sympatric Sonoran Desert cactophilic *Drosophila*. *Molecular Ecology* 13: 1365-1375.
- Hurtado, L.A., M. Frey, P. Gaube, E. Pfeiler, and T. A. Markow. 2007. Geographical subdivision, demographic history and gene flow in two sympatric species of intertidal snails, *Nerita scabricosta* and *Nerita funiculata*, from the tropical eastern Pacific. *Marine Biology* 151: 1863-1873.
- Hurtado, L. A., M. Mateos, C. A. Santamaria. 2012. Phylogeography of supralittoral rocky intertidal *Ligia* isopods in the Pacific region from central California to central Mexico. *PLOS One* 5(7) e11633: 1-13.
- Hyman, L. H., 1953. The polyclad flatworms of the Pacific coast of North America. *Bulletin of the American Museum of Natural History* 100 (2):265-392.

- Hyzny, M. F., J. Vega and M. A. Coutiño. 2013. Ghost shrimps (Decapoda: Axiidea: Callianassidae) of the Maastrichtian (Late Cretaceous) Ocozocoautla Formation, Chiapas (Mexico). *Boletín Sociedad Geológica Mexicana*, 65(2): 255-264.
- IBWC. 2014. Minute 319 Colorado River Delta Environmental Fows Monitoring. Initial Progress Report. 19 pp.
- Iglesias-Prieto, R., H. Reyes-Bonilla and R. Riosmena-Rodríguez. 2003. Effects of 1997–1998 ENSO on coral reef communities in the Gulf of California, Mexico. *Geofísica Internacional* 42:467–471.
- Instituto Nacional Ecología [INE]. 1994. Programa de manejo de la Reserva Especial de la Biosfera Islas del Golfo de California. Instituto Nacional de Ecología, SEDESOL, México, D.F.
- Instituto Nacional Ecología [INE]. 1995. Programa de Manejo para la Reserva de la Biosfera Alto Golfo de California y Delta del Río Colorado. Primera reimpresión, Feb. 1997. Instituto Nacional de Ecología (INE), SEMARNAP, México, D.F. 111 pp.
- Instituto Nacional de Ecología [INP]. 2003. Demanda Turística del Parque Marino Cabo Pulmo. Primera reimpresión, 2003.
- Instituto Nacional de la Pesca [INP]. 2002. Evaluación de la migración y el reclutamiento de las poblaciones de camarón en aguas protegidas y en el frente costero de Sinaloa y Sonora. Secretaría de Agricultura, Ganadería, Pesca y Alimentación. Guaymas, Sonora, México; December, 2002. 178 pp.
- International Boundary and Water commission website: <http://www.ibwc.state.gov/wad/>
- International Union for the Conservation of Nature, 2008. The 2008 Red List of Threatened Species. <http://www.iucnredlist.org/>
- International Boundary and Water Commission. 1992-1998. *Western Water Bulletin: Flow of the Colorado River and other Western Boundary Streams and Related Data*. 84 pp.
- International Boundary and Water Commission. 2012. Minute no. 319. Interim international cooperative measures in the Colorado River Basin though 2017 and extension of Minute 318 cooperative measures to address the continued effects of the April 2010 earthquake in the Mexicali Valley, Baja California. http://www.ibwc.state.gov/files/minutes/minute_319.pdf.
- International Whaling Commission. 2001. Appendix 3. Classification of the Order Cetacea (whales, dolphins, and porpoises). *Journal of Cetacean Research and Management* 3:v-xii.
- Iriondo, A., W. R. Premo, L. M. Martinez-Torres, J. R. Budahn, W. W. Atkinson, D. F. Siems and B. Guaras-Gonzalez. 2004. Isotopic, geochemical, and temporal characterization of Proterozoic basement rocks in the Quitovac region, northwestern Sonora, Mexico: Implications for reconstruction of the southwestern margin of Laurentia. *Bulletin Geological Society of America* 116(1/2): 154-170.
- Irving, C. 1982. *Tom Mix and Pancho Villa*. St. Martin's Press, New York. [An excellent historical novel by a great American writer.]
- Irwin, D. E. 2002. Phylogeographic breaks without geographic barriers to gene flow. *Evolution* 56: 2383-2394.
- IUCN. 2005. Islands and protected areas of the Gulf of California (Mexico)—ID No. 1182. IUCN World Heritage Evaluation Report May 2005.
- Ives, R. L. 1936. Melchior Diaz—the Forgotten Explorer. *Hispanic-American Historical Review* 16: 86-90.
- Ives, R. L. 1950. Puerto Peñasco, Sonora. *Journal of Geography* 49:349–361.
- Ives, R. 1955. Vegetative changes at Pinacate, Sonora, Mexico. *Science* 122: 135.

- Ives, R. 1959. Shell dunes of the Sonoran shore. *American Journal of Science* 257: 449-457.
- Ives, R. 1964. The Pinacate region, Sonora, Mexico. *Occasional Papers, California Academy of Science* 47: 1-43.
- Ives, R. L. 1989. *Land of Lava, Ash, and Sand. The Pinacate Region of Northwestern Mexico.* Compiled by J. W. Byrkit, Edited by K. J. Dahood. The Arizona Historical Society, Tucson, AZ.
- Jackson, A. M., A. Munguía-Vega, A. Lain, S. Stokes, A. Williams and G. Bernardi. 2014. Isolation and characterization of fifteen microsatellite loci in leopard grouper (*Myctoperca rosacea*) via 454 pyrosequencing. *Conservation Genetics Resources* 6: 185-187.
- Jackson, A. M., A. Munguía-Vega, R. Beldade, B. Erisman and G. Brernardi. 2015. Incorporating historical and ecological genetic data for leopard grouper (*Myctoperca rosacea*) into marine reserve design in the Gulf of California. *Conservation Genetics* 16: 811-822.
- Jackson, J. B. C., 1997. Reefs since Columbus. *Coral Reefs* 16:s23-s32.
- Jackson, J. B. C., and J. D’Cruz. 1998. The ocean divided. Pp. 38–71 in A. G. Coates (ed.), *Central America: A Natural and Cultural History*. Yale University Press, New Haven, CT.
- Jacobs, D. K., T. A. Haney, and K. D. Louie. 2004. Genes, diversity, and geological process on the Pacific coast. *Annual Review of Earth and Planetary Science* 32:601–652.
- Jacobson, L., J. AA De Oliveira, M. Barange, M. Á. Cisneros-Mata, R. Félix-Urraga, J. R. Hunter, J. Y. Kim, Y. Matsuura, M. Ñiquen, C. Porteiro, B. Rothschild, R. P. Sánchez, R. Serra, A. Uriarte, and T. Wada. 2001. Surplus production, variability, and climate change in the great sardine and anchovy fisheries. *Canadian Journal of Fisheries and Aquatic Sciences* 58:1981–1903.
- Jacques-Ayala, C., C. M. González-León and J. Roldán-Quintana (eds.). 1995. Studies on the Mesozoic of Sonora and adjacent areas. *Geological Society of America, Spec. Pap.* 301.
- Jaeger, J. R., B. R. Riddle and D. F. Brandford. 2005. Cryptic Neogene vicariance and Quaternary dispersal of the red-spotted toad (*Bufo punctatus*): insights on the evolution of North American warm desert biotas. *Molecular Ecology* 14: 3033-3048.
- James, D. W. 2000. Diet, movement, and covering behavior of the sea urchin *Toxopneustes roseus* in rhodolith beds in the Gulf of California, Mexico. *Marine Biology* 137 (5/6): 913–923.
- James, D. W., M. S. Foster, and J. O. Sullivan. 2006. Bryoliths (Bryozoa) in the Gulf of California. *Pacific Science* 60 (1):117–124.
- James, N. P. 1979. Facies models 9. Introduction to carbonate facies models. *Geoscience Canada* 4 (3):123–125.
- Janisse, C., D. Squires, J.A. Seminoff and P.H. Dutton. 2009. Conservation Investments and Mitigation: The California Drift Gillnet Fishery and Pacific Sea Turtles. In: R. Hilorn, D. Squires, M. Williams, M. Tait, Q. Grafton (eds.), *Handbook of Marine Fisheries Conservation and Management*. Oxford University Press, New York. Pp. 231-240
- Jaquet, N. and D. Gendron. 2002. Distribution and relative abundance of sperm whales in relation to key environmental features, squid landings and the distribution of other cetacean species in the Gulf of California, Mexico. *Marine Biology* 141:591–601.
- Jaquet, N., D. Gendron, and A. Coakes. 2003. Sperm whales in the Gulf of California: residency, movements, behavior, and the possible influence of variation in food supply. *Marine Mammal Science* 19 (3):545–562.

- Jaramillo-Legorreta, A., L. Rojas-Bracho, R. L. Brownell Jr., A. J. Read, R. R. Reeves, K. Ralls, and B. L. Taylor. 2007. Saving the vaquita: Immediate action, no more data. *Conservation Biology* (21) 6:1653–1658.
- Jaramillo-Legorreta, A. M., L. Rojas-Bracho, and T. Gerrodette. 1999. A new abundance estimate for vaquitas: first step for recovery. *Marine Mammal Science* 15 (4):957–973.
- Jarquín-González, J. and M. García-Madriral. 2010. Tanaidáceos (Crustacea: Peracarida) de los litorales de Guerrero y Oaxaca, México. *Revista Mexicana de Biodiversidad* 81: S51-S60.
- Jarrett, J. N. 2008. Inter-population variation in shell morphology of the barnacle *Chthamalus fissus*. *J. Crustacean Biol.* 28(1): 16-20.
- Jehl, J. R., Jr., W. S. Boyd, D. S. Paul, and D. W. Anderson. 2003. Massive collapse and rapid rebound: population dynamics of eared grebes (*Podiceps nigricollis*) during an ENSO event. *Auk* 119:1162–1166.
- Jennings, S. and G. R. Thompson. 1986. Diagenesis of Plio-Pleistocene sediments of the Colorado River Delta, Southern California. *Journal of Sedimentary Research* 56(1): 89-98.
- Jenney, J. P. and S. J. Reynolds (eds.). 1989. *Geologic Evolution of Arizona*. Arizona Geological Society Digest, Vol. 17.
- Jiménez-Gutiérrez, S. V. 1999. Abundancia y estructura de peces de arrecife rocoso en la zona de Isla Cerralvo, B.C.S., México. Tesis de maestría [master's thesis], CICIMAR-IPN, La Paz, B.C.S., Mexico. 91 pp.
- Jiménez-Gutiérrez, M. C. and E. Espino-Barr (eds.). 2007. Los Recursos pesqueros y acuícolas de Jalisco, Colima y Michoacán. SAGARPA, INP, CRIP Manzanillo, Mexico.
- Jiménez-Pérez, J. C. and J. R. Lara-Lara. 1988. Zooplankton biomass and copepod community structure in the Gulf of California during the 12982-1983 El Niño event. *California Cooperative Oceanic Fisheries Investigations Reports* 29: 122-128.
- Johnson, A. F. 1982. Dune vegetation along the eastern shore of the Gulf of California. *Journal Biogeography* 9: 317-330.
- Johnson, J. B. 1950. *The Opata: An Inland Tribe of Sonora*. University of New Mexico Publications, Anthropology No. 6.
- Johnson, M. E. 2002. *Discovering the Geology of Baja California: Six Hikes on the Southern Gulf Coast*. University of Arizona Press, Tucson.
- Johnson, M. E. 2014. *Off-Trail Adventures in Baja California. Exploring Landscapes and Geology on Gulf Shores and Islands*. University of Arizona Press, Tucson, AZ. [A great read for anyone interested in Baja California natural history and how the mind of an excellent scientist works.]
- Johnson, M. E., D. H. Backus and J. Ledesma-Vázquez. 2003. Offset of Pliocene ramp facies at El Mangle by El Coloradito Fault, Baja California Sur: implications for transtensional tectonics 407-20. *Geological Society of America, special Paper 374*. Geological Society of America, Boulder, CO.
- Johnson, M. E. and M. L. Hayes. 1993. Dichotomous facies on a Late Cretaceous rocky island as related to wind and wave patterns (Baja California, Mexico). *Palaios* 8:385–395.
- Johnson, M. E. and J. Ledesma-Vázquez (eds.). 1997. Pliocene Carbonates and Related Facies Flanking the Gulf of California, Baja California, Mexico. *Geological Society of America, Special Paper 318*.
- Johnson, M. E. and J. Ledesma-Vázquez. 1999. Biological zonation on a rocky-shore boulder deposit: Upper Pleistocene Bahia San Antonio (Baa California Sur, Mexico). *Palaios* 14: 569-584.

- Johnson, M. E. and J. Ledesma-Vazquez. 2001. Pliocene-Pleistocene rocky shorelines trace coastal development of Bahía Concepción, gulf coast of Baja California Sur (Mexico). *Palaeogeography, Palaeoclimatology, Palaeoecology* 166:65–88.
- Johnson, M. E. and J. Ledesma-Vazquez (eds.). 2009. *Atlas of Coastal Ecosystems in the Western Gulf of California. Tracking Limestone Deposits on the Margin of a Young Sea*. University Arizona Press, Tucson.
- Johnson, M. E., J. Ledesma-Vázquez, D. H. Backus and M. R. González. 2012. Lagoon microbialites on Isla Angel de la Guarda and associated peninsular shores, Gulf of California (Mexico). *Sedimentary Geology* 263/264: 76-84.
- Johnson, M. E., R. A. López-Pérez, C. R. Ransom and J. Ledesma-Vásquez. 2007. Late Pleistocene coral-reef development on Isla Coronados, Gulf of California. *Ciencias Marinas* 33: 105-120.
- Johnson, M. E., D. M. Perez and B. G. Baarli. 2012. Rhodolith standing event on a Pliocene rocky shore from Isla Cerralvo in the Lower Gulf of California (Mexico). *Journal of Coastal Research* 28: 225-233.
- Johnson, S. E., S. R. Paterson, J. M. Fletcher, G. H. Girty, D. L. Kimbrough and A. Martin-Barajas (eds.). 2003. Tectonic Evolution of Northwestern Mexico and the Southwestern USA. Geological Society of America Special Paper No. 374. Geological Society of America, Boulder, CO.
- Johnston, B. 1968. Seri ironwood carving. *The Kiva* 33: 155-166.
- Johnston, I. M. 1924. Expedition of the California Academy of Sciences to the Gulf of California in 1921: the botany (vascular plants). *Proceedings, California Academy of Sciences* IV, 12: 951-1218.
- Jones, C. H., L. J. Sonder, and J. R. Unruh. 1998. Lithospheric gravitational potential energy and past orogenesis: implicates for conditions of initial Basin and Range and Laramide deformation. *Geology* 26: 639-642.
- Jones, M. L., and S. L. Swartz. 1984. Demography and Phenology of Gray Whales and Evaluation of Human Activities in Laguna San Ignacio, Baja California Sur, Mexico. Pp. 309–374 in M. L. Jones, S. L. Swartz, and S. Leatherwood (eds.), *The Gray Whale, Eschrichtius robustus*. Academic Press, Orlando.
- Jones, G. and P. Ward. 1998. Privatizing the commons: reforming the ejido and urban development in Mexico. *International Journal Urban and Regional Research* 22:76.
- Jordan, D. S. 1895. The fishes of Sinaloa. *Proceedings of the California Academy of Sciences* 5:377–514. [Reprinted in *Contributions to Biology, Hopkins Laboratory of Biology, Stanford University Publications, No. 1:1–71*].
- Jordan, D. S., and B. W. Evermann. 1896–1900. The fishes of North and Middle America: a descriptive catalogue of the species of fish-like vertebrates found in the waters of North America, north of the Isthmus of Panama. Parts I-IV. *Bulletin of the United States National Museum* 47:1–3313.
- Jordan, D. S. and C. H. Gilbert. 1882. Catalogue of the fishes collected by Mr. John Xantus at Cape San Lucas, which are now in the United States National Museum, with descriptions of eight new species. *Proceedings of the United States National Museum* 5 (290):353–371.
- Jordan, D. S. and C. H. Gilbert. 1882. List of fishes collected by Lieut. Henry E. Nichols, U.S.N., in the Gulf of California and on the west coast of Lower California, with descriptions of four new species. *Proceedings of the United States National Museum* 4:273–279.
- Jordán, F. 1951. El otro México: Biografía de Baja California. *Biografías Gandesa, México, D.F.*

- Judge, D. S. 1983. Productivity of ospreys in the Gulf of California. *Wilson Bulletin* 95:243–255.
- Kahru, M., S. G. Marinone, S. E. Lluch-Cota, A. Parés-Sierra and B. G. Mitchell. 2004. Ocean-color variability in the Gulf of California: scales from days to ENSO. *Deep-Sea Research* 51: 139-146.
- Kamenos, N. A., P. G. Moore, and J. M. Hall-Spencer. 2004. Nursery-area function of maerl grounds for juvenile queen scallops *Aequipecten opercularis* and other invertebrates. *Marine Ecology Progress Series* 274:183–189.
- Kamezaki, N., Y. Matsuzawa, O. Abe, et al. 2003. Loggerhead turtles nesting in Japan. Pp. 210–217 in A. Bolten and B. Witherington (eds.), *Loggerhead Sea Turtles*. Smithsonian Books, Washington D.C.
- Karig, D. E. and W. Jensky. 1972. The proto-Gulf of California. *Earth Planetary Science, Letters* 17: 169-174.
- Karl, S. A., and B. W. Bowen. 1999. Evolutionary significant units versus geopolitical taxonomy: Molecular systematics of an endangered sea turtle Genus. *Conservation Biology* 13:990–999.
- Karlstrom, K. E., R. Crow, L. J. Crossey, D. Coblenz and J. van Wijk. 2008. Model for tectonically driven incision of the younger than 6 Ma Grand Canyon. *Geology* 36: 835-838.
- Karns, H. J. 1954. *Luz de Tierra Incognita*. Arizona Silhouettes, Tucson. [Karns' English translation of Juan Mateo Manje's diary by the same name.]
- Karol, K. G., R. M. McCourt, M. T. Cimino, and C. F. Delwiche. 2001. The closest living relatives of land plants. *Science* 294:2351–2353.
- Keegan, B. F. 1974. The macrofauna of maerl substrates on the west coast of Ireland. *Cahiers de Biologie Marine* IV:513–530.
- Keen, A. M. 1971. *Sea Shells of Tropical West America. Marine Mollusks from Baja California to Peru. 2nd ed.* Stanford University Press, Stanford, CA.
- Keigwin, L. D. and G. A. Jones. 1990. Deglacial climatic oscillations in the Gulf of California. *Journal of Oceanography* 58: 421-432.
- Kellogg, B. 2004. The dam controversy: does the endangered species act apply internationally to protect foreign species harmed by dams on the Colorado River? *Journal of Transnational Law and Policy* 13(2): 447-474.
- Kelly, W. H. 1977. *Cocopa Ethnography*. Anthropological papers No. 29. University of Arizona Press, Tucson, AZ.
- Kerstitch, A., and H. Bertsch. 2007. *Sea of Cortez Marine Invertebrates. 2nd ed. (rev.)*. Sea Challengers, Monterey, CA.
- Kessell, J. L. 2002. *Spain in the Southwest. A Narrative History of Colonial New Mexico, Arizona, Texas and California*. University Oklahoma Press, Norman.
- Kiff, L. F. 1980. Historical changes in resident populations of California islands raptors. Pp. 651–673 in D. M. Power (ed.), *The California Islands: Proceedings of a Multidisciplinary Symposium*. Santa Barbara Museum of Natural History, Santa Barbara, California. 788 pp.
- Kim, W. H., and J. A. Barron. 1986. Diatom biostratigraphy of the upper Oligocene and lowermost Miocene San Gregorio Formation, Baja California Sur, Mexico. *Diatom Research* 1 (2):169–187.
- Kino, F. E. 1954 [1683] *Kino Reports to Headquarters: Correspondence of Eusebio Francisco Kino, S. J. from New Spain to Rome*. English translation and notes by Ernest J. Burrus, S. J. Institutum Historicum Societatis Jesus, Rome.

- Kira, G. S. 1999. *The Unforgettable Sea of Cortez. Baja California's Golden Age 1947-1977; the Life and Writings of Ray Cannon*. Apples and Oranges, Valley Center, CA.
- Klett-Traulsen, A. 1981. Estado actual de la pesquería del calamari gigante en el estado de Baja California Sur. Depto. De Pesca, INP, Serie Científica 21: 1-28.
- Klimley, A. P. 1993. Highly directional swimming by scalloped hammerhead sharks, *Sphyrna lewini*, and subsurface irradiance, temperature, bathymetry, and geomagnetic field. *Marine Biology* 117:1–22.
- Klimley, A. P., I. Cabrera-Mancilla, and J. L. Castro-Geniz. 1993. Descripción de los movimientos horizontales y verticales del tiburón martillo del sur del Golfo de California, México. *Ciencias Marinas* 19 (1):95–115.
- Klimley, A. P., S. J. Forjensen, A. Muhlia-Melo, and S. C. Beavers. 2003. The occurrence of yellowfin tuna (*Thunnus albacares*) at Espíritu Santo Seamount in the Gulf of California. *Fishery Bulletin* 101 (3):684–692.
- Klimley, A. P., and D. R. Nelson. 1981. Schooling of the scalloped hammerhead shark, *Sphyrna lewini*, in the Gulf of California. *Fishery Bulletin* 79 (2):356–360.
- Klimley, A. P., and D. R. Nelson. 1984. Diel movement patterns of the scalloped hammerhead shark (*Sphyrna lewini*) in relation to El Bajo Espíritu Santo: a refuging center-position social system. *Behavioral Ecology and Sociobiology* 15:45–54.
- Klimley, A. P., J. E. Richert, and S. J. Jorgensen. 2005. The home of blue water fish. *American Scientist* 93:42–49.
- Kniffen, F. (1931). Lower California Studies, III: The Primitive Cultural Landscape of the Colorado Delta. University of California Publications in Geography 5(2): 43-66.
- Kobayashi, D. R. 1986. Social organization of the spotted sharpnose puffer, *Canthigaster punctatissima*. *Environmental Biology of Fishes* 15 (2):141–145.
- Kopitsky, K. L., R. L. Pitman, and P. H. Dutton. 2005. Aspects of olive ridley feeding ecology in the Eastern Tropical Pacific. Pp. 217 in M. S. Coyne and R. Clark (compilers), Proceedings of the 21st Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-528.
- Kotrschal, K. 1988. A catalogue of skulls and jaws of eastern tropical Pacific blennioid fishes (Blennioidei: Teleostei): A proposed evolution sequence of morphological change. *Zeitschrift für Zoologische Systematik Und Evolutionsforschung* 26:442–466.
- Kotrschal, K. and D. G. Lindquist. 1986. The feeding apparatus in four Pacific tube blennies (Teleostei: Chaenopsidae): Lack of ecomorphological divergence in syntopic species. *P.S.Z.N.I: Marine Ecology* 7:241–253.
- Kotrschal, K. and D. A. Thomson. 1986. Feeding patterns in eastern tropical Pacific blennioid fishes (Teleostei: Tripterygiidae, Labrisomidae, Chaenopsidae, Blenniidae). *Oecologia* (Berlin) 70:367–378.
- Kowalewski, M., G. E. Avila Serrano, K. W. Flessa, and G. A. Goodfriend. 2000. Dead delta's former productivity: Two trillion shells at the mouth of the Colorado River. *Geology* 28:1059–1062.
- Kowalewski, M., K. W. Flessa and J. A. Aggen. 1994. Taphofacies analysis of recent shelly cheniers (beach ridges) northeastern Baja California, Mexico. *Facies* 31: 209-242.
- Kowalewski, M., G. A. Goodfriend, et al. 1998. High-resolution estimates of temporal mixing within shell beds; the evils and virtues of time-averaging. *Paleobiology* 24(3): 287.

- Kowalewski, M., G. E. Avila Serrano, K. W. Flessa and G. A. Goodfriend. 2000. Dead delta's former productivity: Two trillion shells at the mouth of the Colorado River. *Geology* 28(12): 1059.
- Kroeber, A. L. 1931. The Seri. *Southwest Museum Papers* 6: 1-60.
- Kroeber, A. L. 1925. *Handbook of the Indians of California*. University of California Press, Berkeley. (Originally published in *Bureau of American Ethnology Bulletin* 78, 1925)
- Krutch, J. W. 1961. *The Forgotten Peninsula: A Naturalist in Baja California*. W. Sloane Associates, San Francisco (Reprinted 1986, with a Foreword by Ann Zwinger, University of Arizona Press, Tucson).
- Krutch, J. W. and E. Porter. 1957. *Baja California and the Geography of Hope*. Sierra Club Books, San Francisco.
- Kudenov, J. D. 1975. Errant polychaetes from the Gulf of California, Mexico. *Journal of Natural History* 9(1): 65-91.
- Kuo, C. H. and J. C. Avise. 2005. Phylogeographic breaks in low-dispersal species: the emergence of concordance across gene trees. *Genetica* 124: 179-186.
- LaJeunesse, H. Reyes-Bonilla and M. E. Warner. 2007. Spring "bleaching" among *Pocillopora* in the Sea of Cortez, Eastern Pacific. *Coral Reefs* 26: 265-270.
- Lambeck, K. and J. Chappell. 2001. Sea level change through the last glacial cycle. *Science* 292: 679-686.
- Lancaster, N., R. Greeley and P. R. Christensen. 1987. Dunes of the Gran Desierto sand sea, Sonora, Mexico. *Earth Surface Processes and Landforms* 12: 277-288.
- Landman, N. H., P. M. Mikkelsen, R. Bieler and B. Bronson. 2001. Columbus's Pearls. *Natural History* 10: 12-14.
- Lange, Y. and R. E. Ahlborn. 2004. *Mission San Xavier del Bac. A Guide to Its Iconography*. University of Arizona Press, Tucson, AZ.
- Lanner, R. M. 1974. A new pine from Baja California and the hybrid origin of *Pinus quadrifolia*. *Southwestern Naturalist* 19: 75-95.
- Lara-Lara, J. R. and S. Álvarez-Borrego. 2014. Phytoplankton biomass and production at the entrance to the Gulf of California. Pp. 1-16 in E. V. Wehncke, J. R. Lara-Lara, S. Álvarez-Borrego and E. Ezcurra, *Conservation Science in Mexico's Northwest. Ecosystem status and Trends in the Gulf of California*. U.C. Mexus, University of California.
- Larson, R. L., H. W. Menard, and S. M. Smith. 1968. Gulf of California: A result of ocean-spreading and transform faulting. *Science* 161:781-784.
- Lavaniegos-Espejo, B. and E. Gonzalez-Navarro. 1999. Changes in the copepod community during the 1992-93 ENSO at San Lorenzo Channel, Gulf of California. *Ciencias Marinas* 25(2): 239-265.
- Lavaniegos-Espejo, B. and J. R. Lara-Lara. 1990. Zooplankton of the Gulf of California after the 1982-1983 El Niño event: biomass distribution and abundance. *Pacific Science* 44: 297-310.
- Lavenberg, R. J. and J. E. Fitch. 1966. Annotated list of the fishes collected by midwater trawl in the Gulf of California, March-April 1964. *California Fish and Game* 52:92-110.
- Lavaniegos, E. B. and D. J. López Cortés. 1997. Fatty acids composition and community structure of plankton from San Lorenzo channel, Gulf of California. *Estuarine & Coastal Research*. 45: 845-854.
- Lavín, M. F., 1999. On how the Colorado River affected the hydrography of the upper Gulf of California. *Continental Shelf Research* 19: 1545-1560.

- Lavín, M. F., E. Beier, and A. Badan. 1997. Estructura hidrográfica y circulación del Golfo de California: escalas estacional e interanual. Pp. 141–171 in M.F. Lavín (ed.), *Contribuciones a la Oceanografía Física en México*, Monografía No. 3, Unión Geofísica Mexicana, Ensenada.
- Lavín, M. F., R. Durazo, E. Palacios, M. L. Argote, and L. Carrillo. 1997. Lagrangian observations of the circulation in the northern Gulf of California. *Journal of Physical Oceanography* 27:2298–2305.
- Lavín, M. F., G. Gaxiola-Castro, J. M. Robles and K. Richter. 1995. Winter water masses and nutrients in the northern Gulf of California. *Journal Geophysical Research* 100: 8587-8605.
- Lavín, M. F., V. M. Godínez, and L. G. Alvarez. 1998. Inverse-estuarine features of the upper Gulf of California. *Estuarine, Coastal, Shelf Science* 47:769–795.
- Lavín, M. F. and S. G. Marinone. 2003. An overview of the physical oceanography of the Gulf of California. Pp. 173-204 in, O. U. Velasco Fuentes et al. (eds.), *Nonlinear Processes in Geophysical Fluid Dynamics*. Kluwer Academic Publishers, Netherlands.
- Lavín, M. F. and S. Organista. 1988. Surface heat flux in the northern Gulf of California. *Journal of Geophysical Research* 93: 14033-14038.
- Lavín, M. F. and S. Sánchez. 1999. On how the Colorado River affected the hydrography of the upper Gulf of California. *Continental Shelf Research* 19:1545–1560.
- Lawlor, T. E., D. J. Hafner, P. T. Stapp, B. R. Riddle, and S. T. Álvarez-Castañeda. 2002. Mammals. Pp. 271–312 in Case, T. J., M. L. Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Lawrence, G. N. 1874. The birds of western and northwestern Mexico, based upon the collections made by Col. A. J. Grayson, Capt. J. Xantus, and Ferd. Bischoff, now in the Museum of the Smithsonian Institution at Washington, D.C. *Memoirs, Boston Society of Natural History* 2 (9):265–319.
- Laylander, D. and J. D. Moore (eds.) 2006. *The Prehistory of Baja California*. University Press of Florida, Gainesville.
- Lea, R. N. and R. H. Rosenblatt. 2000. Observations on fishes associated with the 1997–98 El Niño off California. *CalCOFI Report* 41:117–129.
- Leaché, A. D., S. C. Crews and M. J. Hickerson. 2007. Two waves of diversification in mammals and reptiles of Baja California revealed by hierarchical Bayesian analysis. *Biology Letters* 3: 646-650.
- Leaché, A. D. and J. A. McGuire. 2006. Phylogenetic relationships of horned lizards (*Phrynosoma*) based on nuclear and mitochondrial data: evidence for a misleading mitochondrial gene tree. *Molecular Phylogenetics and Evolution* 39: 628-644.
- Leaché, A. D., M. S. Koo, C. L. Spencer, T. J. Papenfuss, R. N. Fisher and J. A. McGuire. 2009. Quantifying ecological, morphological, and genetic variation to delimit species in the coast horned lizard species complex (*Phrynosoma*). *Proc. Natl. Acad. Sci.* 106: 12418-12423.
- Leaché, A. D. and D. G. Mulcahy. 2007. Phylogeny, divergence times, and species limits of spiny lizards (*Sceloporus magister* species-group) in western North American deserts and Baja California. *Molecular Ecology* 16(24): 5216-5233.
- Leaché, A. D., J. A. Palacios, V. N. Minin and R. W. Bryson. 2013. Phylogeography of the Trans-Volcanic bunchgrass lizard (*Sceloporus bicanthalis*) across the highlands of southeastern Mexico. *Biol. Jour. Linnean Soc.* 110: 852-865.
- Leal-Gaxiola, A., J. López-Martínez, E. A. Chávez, S. Hernández-Vazquez and F. Méndez-Tenorio. 2001. Interannual variability of reproductive period of the brown shrimp,

- Farfantepenaeus californiensis* (Holmes, 1900) (Decapoda, Natantia). *Crustaceana* 74(9): 839-851.
- Leatherwood, S., W. F. Perrin, V. L. Kirby, C. L. Hubbs, and M. Dahlheim. 1980. Distribution and movements of Risso's dolphin, *Grampus griseus*, in the eastern North Pacific. *Fishery Bulletin* (U.S.) 77:951-963.
- Leatherwood, S. and R. R. Reeves. 1983. *The Sierra Club Handbook of whales and dolphins*. Sierra Club, Tokyo, Japan. 302 pp.
- Leatherwood, S., R. R. Reeves, W. F. Perrin, and W. E. Evans. 1988. *Whales, Dolphins, and Porpoises of the Eastern North Pacific and Adjacent Arctic Waters. A guide to their identification*. Dover Publications, New York. 245 pp.
- Leavitt, D. H., R. L. Bezy, K. A. Crandall and J. W. Sites Jr. 2007. Multi-locus DNA sequence data reveal a history of deep cryptic vicariance and habitat-driven convergence in the desert night lizard *Xantusia vigilis* species complex (Squamata: Xantusiidae). *Molecular Ecology* 16: 4455-4481.
- Le Boeuf, B. J., D. Aurioles, R. Condit, C. Fox, R. Gisiner, R. Romero, and F. Sinsel. 1983. Size and distribution of the California sea lion population in Mexico. *Proceedings of the California Academy of Sciences* 43:77-85.
- Le Boeuf, B. J., H. Pérez-Cortés M., J. Urbán R., B. R. Mate, and F. Ollervides U. 2000. High gray whale mortality and low recruitment in 1999: potential causes and implications. *Journal of Cetacean Research and Management* 2 (2):85-99.
- Lechuga Devéze, C.H., G. J. Bustillos, Ma. T. Barreiro Guemez and D. J. López Cortés. 1990. Oscilaciones semi-diurnas, diarias y estacionales de variables físicas en la Ensenada de la Paz B.C.S. *Rev. Inv. Mar. CICIMAR-IPN*. 5(1): 1-9.
- Lechuga-Deveze, C. H., M. L. Morquecho-Escamilla, A. Reyes-Salinas, J. R. Hernandez-Alfonso. 2000. Environmental natural disturbances in Bahía Concepción, Gulf of California. Pp. 245-255 in, S. G. L. M. Munawar, I., F. Munawar, and D. F. Malley (eds.). *Aquatic Ecosystems of Mexico: Status and Scope, Ecovision World Monograph Series*. Backhuys Publishers, Leiden, The Netherlands.
- Lechuga Devéze C., J. García Pámanes y J. Bustillos Guzmán. 1986. Condiciones ecológicas de una laguna costera de la costa Oeste del Golfo de California. *Turbidez y clorofila a. Ciencias Marinas* 12(1):19-31.
- Ledesma-Vázquez, J. 2002. A gap in the Pliocene invasion of seawater, Gulf of California. *Revista Mexicana de Ciencias Geológicas*, 19 (3):145-151.
- Ledesma-Vázquez, J. and A. L. Carreño. 2010. Origin, age, and geological evolution of the Gulf of California. Pp. 7-23 in, Brusca, R. C., *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Ledesma-Vázquez, J. and M. E. Johnson. 1993. Neotectónica del área Loreto-Mulegé. Pp. 115-122 in L. Delgado Argote and A. Martín Barajas, (eds.), *Contribuciones a la Tectónica del Occidente de México, Monografía 1. Unión Geofísica Mexicana, Ensenada*.
- Ledesma-Vázquez, J. and M. E. Johnson. 2001. Miocene-Pleistocene tectono-sedimentary evolution of Bahía Concepción region, Baja California Sur (Mexico). *Sedimentary Geology* 144:83-96.
- Ledesma-Vázquez, J., M. E. Johnson, D. H. Backus and C. Mirabel-Davila. 2007. Coastal evolution from transgressive barrier deposit to marine terrace on Isla Coronado, Baja California Sur, Mexico. *Ciencias Marinas* 33: 335-351.

- Ledesma-Vázquez, J., M. E. Jonson, and F. R. Romero-Ríos. 1999. Evolución tectónica del Golfo de California: Miocen-Plioceno de Bahía Concepción, B.C.S., Gaceta AMGp, 3 (2):1–4.
- Ledesma-Vázquez, J., A. Y. Montiel-Boehringer, D. Backus, M. Johnson, and V. Z. Fernandez-Díaz. 2007. Armored mud balls in tidal environments, Pliocene in the Gulf of California. Cuadernos del Museo Geominero 8:235–238.
- Lee, J., M. Miller, R. Crippen, B. Hacker, and J. Ledesma-Vázquez. 1996. Middle Miocene extension in the Gulf extensional province, Baja California: evidence from the southern Sierra Juárez. Geological Society of America Bulletin 108:505–525.
- Lee, R.E. 2008. *Phycology*. Cambridge University Press, Cambridge, England.
- Lehner, C. E. 1979. A latitudinal gradient analysis of rocky shore fishes of the eastern Pacific. Ph.D. dissert., University of Arizona, Tucson. 311 pp.
- Leis, J. M. 1984. Larval fish dispersal and the East Pacific Barrier. Studies in Tropical Oceanography 19 (2):181–192.
- León de la Luz, J. L., R. Coria-Benet, and J. Cansino. 1995. XI Reserva de la Biosfera El Vizcaíno, Baja California Sur. Serie Listados Florísticos de México, Instituto de Biología, Universidad Nacional Autónoma de México, México. 29 pp.
- León-Pech, M. G., J. A. Cruz-Barraza, J. L. Carballo, L. E. Calderon-Aguilera and A. Rocha-Olivares. 2015. Pervasive genetic structure at different geographic scales in the coral-excavating sponge *Cliona vermifera* (Hancock, 1867) in the Mexican Pacific. Coastal Reefs, DOI 10.1007/s00338-015-1316-9
- León-Portilla, M. 1989. *Loreto, Capital de las Californias. Las cartas fundacionales de Juan María de Salvatierra*. Universidad Autónoma de Baja California, Centro Cultural Tijuana, FONATUR, México, D.F.
- León-Portilla, M. 1989. *Cartografía y Crónicas de la Antigua California*. Universidad Nacional Autónoma de México & Fundación de Investigaciones Sociales, A.C. [One of the best compilations of colonial era maps ever assembled.]
- Leopold, A. 1966. *A Sand County Almanac with Other Essays on Conservation from Round River*. Oxford University Press, New York. [Pp. 150-158, “Green Lagoons,” are Leopold’s description of the Colorado River Delta.]
- Lepley, L. K., S. P. von der Haar, J. R. Hendrickson, and G. Calderon-Riverol. 1975. Circulation in the northern Gulf of California from orbital photographs and ship investigations. Ciencias Marinas 2 (2):86–93.
- Lercari, D. and F. Arreguín-Sánchez. 2009. An ecosystem modeling approach to deriving viable harvest strategies for multispecies management of the northern Gulf of California. Aquatic Conservation: Marine and Freshwater Ecosystems 19: 384-397.
- Lercari, D. and E. A. Chávez. 2007. Possible causes related to historic stock depletion of the totoaba, *Totoaba macdonaldi* (Perciformes: Sciaenidae) endemic to the Gulf of California. Fisheries Research 86: 136-142.
- Leslie, H. M., E. Goldman, K. L. McCleod, L. Sievanen, H. Balasubramanian, R. Cudney-Bueno, A. Feurestein, N. Knowlton, K. Lee, R. Pollnac and J. F. Samhour. 2013. How good science and stories can go hand-in-hand. Conservation Biology, DOI: 10.1111/cobi.12080
- Leslie, H. M., M. Schlüter, R. Cudney-Bueno and S. A. Levin. 2009. Modeling responses of

- Levin, G. A. and R. Moran. 1989. The Vascular Flora of Isla Socorro, Mexico. Memoirs, San Diego Society of Natural History, 16. San Diego, CA.
- Levy, S. 2007. Cannery Row revisited. *BioScience* 57(1): 8-13
- Lewis, L. A. and R. M. McCourt. 2004. Green algae and the origin of land plants. *American Journal of Botany* 91:1535–1556.
- Libbey, L. K. and M. E. Johnson. 1997. Upper Pleistocene rocky shores and intertidal biotas at Playa La Palmita (Baja California Sur, México). *Journal of Coastal Research* 13:216–225.
- Libes, S. M. 1992. *An introduction to Marine Biogeochemistry*. Wiley, New York. 734 pp.
- Lin, H.-C., C. Sanchez-Ortiz and P. A. Hastings. 2009. Cryptic speciation of the Gulf of California endemic fish *Acanthemblemaria crockeri*. *Molecular Ecology* 18: 2476-2488.
- Lindell, J., F. R. Méndez-de la Cruz and R. W. Murphy. 2005. Deep genealogical history without population differentiation: discordance between mtDNA and allozyme divergence in the zebra-tailed lizard (*Callisaurus draconoides*). *Molecular Phylogenetics and Evolution* 36: 682-694.
- Lindell, J., F. R. Méndez-de la Cruz and R. W. Murphy. 2008. Deep biogeographical history and cytonuclear discordance in the black-tailed brush lizard (*Urosaurus nigricaudus*) of Baja California. *Biological Journal of the Linnean Society* 94: 89-104.
- Lindell, J., A. Ngo and R. W. Murphy. 2006. Deep genealogies and the mid-peninsular seaway of Baja California. *Journal of Biogeography* 33: 1327-1331.
- Lindquist, D. G. 1980. Aspects of the polychromatism in populations of the Gulf of California browncheek blenny, *Acanthemblemaria crockeri* (Blennioidea: Chaenopsidae). *Copeia* 1980:137–141.
- Lindquist, D. G. 1985. Depth zonation, microhabitat, and morphology of three species of *Acanthemblemaria* (Pisces: Blennioidea) in the Gulf of California, Mexico. *P.S.Z.N.I: Marine Ecology* 6:329–344.
- Lindsay, G. E. 1947. Cacti of San Pedro Nolasco Island. *Desert Plant Life* 19: 71-76.
- Lindsay, G. E. 1948. A cruise in the Gulf of California, Part III. *Cactus and Succulent Journal* 20(2): 17-20.
- Lindsay, G. E. 1962. The Belvedere expedition to the Gulf of California. *Transactions, San Diego Society of Natural History* 13 (1):144.
- Lindsay, G. E. 1964. Sea of Cortez expedition of the California Academy of Academy of Sciences, June 20-July 4, 1964. *Proceedings of the California Academy of Sciences* 30 (11):211–242.
- Lindsay, G. E. 1966. The Gulf islands expedition of 1966. *Proceedings of the California Academy of Sciences* 30 (16):309–355.
- Lindsay, G. E. 1970. Some natural values of Baja California. *Pacific Discovery* 23 (2):1–10.
- Link, J. S. 2002. What does ecosystem-based fisheries management mean? *Fisheries* 27 (4):21.
- Lippmann, M., A. Truesdell and G. Frye. 1999. The Cerro Prieto and Salton Sea geothermal fields—are they really alike? *Proceedings, 24th Workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, January 25-27, 1999. SGP-TR-162.
- Littler, M. M. and D. S. Littler. 1981. Intertidal macrophyte communities from Pacific Baja California and the Upper Gulf of California: Relatively Constant vs. Environmentally Fluctuating Systems. *Marine Ecology Progress Series* 4: 145-158.
- Littler, D. S., and M. M. Littler. 2000. *Caribbean Reef Plants*. OffShore Graphics, Washington, D.C. 542 pp.

- Littler, D. S., and M. M. Littler. 2003. *South Pacific Reef Plants*. OffShore Graphics, Washington, D.C. 331 pp.
- Lively, C. M., P. T. Raimondi, and L. F. Delph. 1993. Intertidal community structure: space-time interactions in the northern Gulf of California. *Ecological Society of America* 74 (1):162–173.
- Lizarralde, D., G. J. Axen, H. E. Brown, J. M. Fletcher, A. González-Fernández, A. J. Harding, W. S. Holbrook, G. M. Kent, P. Paramo, F. Sutherland and P. J. Umhoefer. 2007. Variation in styles of rifting in the Gulf of California. *Nature* 448:466-469.
- Lluch-Belda, D. 1974. La pesquería del camarón de altamar en el noroeste. Instituto Nacional de Pesca, Ser. Informativa INP/SI, Programa del Pacifico. 116 pp.
- Lluch-Belda, D., S. Hernández-Vázquez, R. A. Schwartzlose, D. B. Lluch-Cota and C. A. Salinas-Zavala. 1992. The recovery of the California sardine as related to global change. *CalCOFI Rept.* 33: 50-59.
- Lluch-Belda, D., S. E. Lluch-Cota, J. Elorduy and G. Ponce. 2000. BACs: Centro de actividad biológica del Pacífico Mexicano. Centro Interdisciplinario de Ciencias Marinas del IPN/Centro de Investigaciones Biológicas del Noroeste/Consejo Nacional de Ciencia y Tecnología, La Paz, BCS.
- Lluch-Belda, D., D. B. Lluch-Cota, S. Hernandez-Vazquez, C. A. Salinas-Zavala and R. A. Schwartzlose. 1991. Sardine and anchovy spawning as related to temperature and upwelling in the California Current System. *CalCOFI Rep.* 32: 105-111.
- Lluch-Belda, D., D. B. Lluch-Cota, and S. E. Lluch-Cota. 2003. Baja California's biological transition zones: refuges for the California sardine. *Journal of Oceanography* 59 (4):503–513.
- Lluch-Belda, D., D. B. Lluch-Cota, S. E. Lluch-Cota, M. Ramírez-Rodríguez and C. Salinas-Zavala. 2014. Fisheries of northwest Mexico. Pp. 513-533 in, E. V. Wehncke, J. R. Lara-Lara, S. Álvarez-Borrego and E. Ezcurra (eds.), *Conservation Science in Mexico's Northwest*. U.C. MEXUS (Institute for Mexico and the United States, University of California) and SEMARNAT (Secretaría de Medio Ambiente y Recursos Naturales, Mexico).
- Lluch-Belda, D., B. F. J. Magallón, and R. A. Schwartzlose. 1986. Large fluctuations in sardine fishery in the Gulf of California: possible causes. *CalCOFI Report* 37:201–208.
- Lluch-Cota, S. E. 2000. Coastal upwelling in the eastern Gulf of California. *Oceanologica Acta* 23:731–740.
- Lluch-Cota, S. E., E. A. Aragón-Noriega, F. Arreguín-Sánchez, D. Aurióles-Gamboa, J. J. Bautista-Romero, R. C. Brusca, R. Cervantes-Duarte, R. Cortés-Altamirano, P. Del-Monte-Luna, A. Esquivel-Herrera, H. Herrera-Cervantes, M. Kahru, M. Lavín, d. Lluch-Belda, D. B. Lluch-Cota, J. López-Martínez, S. G. Marinone, M. O. Nevárez-Martínez, S. Ortega-García, E. Palacios-Castro, A. Parés-Sierra, G. Ponce-Díaz, M. Ramírez-Rodríguez, C. A. Salinas-Zavala, R. A. Schwartzlose and a. P. Sierra-Beltrán. 2007. The Gulf of California: Review of Ecosystem Status and Sustainability Challenges. *Progress in Oceanography* 73: 1–26.
- Lluch-Cota, S. E., D. B. Lluch-Cota, D. Lluch-Belda, M. O. Nevárez-Martínez, A. Parés-Sierra, and S. Hernández-Vázquez. 1999. Variability of sardine catch as related to enrichment, concentration, and retention processes in the central Gulf of California. *CalCOFI Reports* 40:184–190.

- Lluch-Cota, S. E., A. Parés-Sierra, V. O. Magaña-Rueda, F. Arreguín-Sánchez, G. Bazzino, H. Herrera-Cervantes and D. Lluch-Belda. 2010. Changing climate in the Gulf of California. *Prog. Oceanogr.* 87: 114-126.
- Longinos Martínez, José. 1792. *Diario* (notes and observations of the Royal Botanical Expedition to Antigua and Alta California, published in Spanish as *Diario de las expediciones a las Californias de José Longinos*; Serie Textos Clásicos, Editorial Doce Calles, 1994; Madrid; and printed in English as *Journal of José Longinos Martínez: Notes and observations of the naturalist of the botanical expedition in Old and New California and the south coast 1791–1792*; John Howell Books, 1961; San Francisco.
- Longo, G., R. Beldade, R. Cudney-Bueno, P. Raimondi and G. Bernardi. 2011. Isolation and characterization of 13 polymorphic microsatellites for the black murex, *Hexaplex nigrinus*. *Marine Genomics* 4: 69-70.
- Lonsdale, P. 1989. Geology and tectonic history of the Gulf of California. Pp. 499-521 in, E. L. Winterer, D. M. Hussong and R. W. Decker (eds.), *The Eastern Pacific Ocean and Hawaii*. Geological Society of America, Boulder, CO.
- Lonsdale, P. 1991. Structural patterns of the Pacific floor offshore of peninsular California. *Amer. Assoc. Petroleum Geologists, Memoir* 47: 87-125.
- Lonsdale, P. and K. Becker. 1985. Hydrothermal plumes, hot springs, and conductive heat flow in the Southern Trough of Guaymas Basin. *Earth and Planetary Science Letters* 73: 211-225.
- López, L. 1968. Estudio preliminar sobre las migraciones de postmisis de *Penaeus vannamei* Boone. *FAO Fisheries Report No. 57*: 405-413.
- López M., J. Candela and M. L. Argote. 2006. Why does the Ballenas Channel have the coldest SST in the Gulf of California? *Geophys. Res. Letters* 33, L11603. doi:10.1029/2006GL025908.
- López, M. and J. García. 2003. Moored observations in the northern Gulf of California: A strong bottom current. *Journal of Geophysical Research*, 108, No. C2, 3048, DOI: 10.1029/2002JC001492.
- López-Castro, M., R. Carmona, and W. J. Nichols. 2004. Nesting characteristics of the olive Ridley turtle (*Lepidochelys olivacea*) in Cabo Pulmo, southern Baja California. *Marine Biology* 145:811–820.
- López-Calderón J., R. Riosmena-Rodríguez, J. M. Rodríguez-Baron, J. Carrión-Cortez, J. Torre, A. Meling-López, G. Hinojosa-Arango, G. Hernández-Carmona and J. García-Hernández. 2010. Outstanding appearance of *Ruppia maritima* along Baja California Sur, México and its influence in trophic networks. *Marine Biodiversity* 40: 293-300.
- Lopez-Castro, M. C., R. Carmona and W. J. Nichols. 2004. Nesting characteristics of the olive ridley turtle (*Lepidochelys olivacea*) in Cabo Pulmo, southern Baja California. *Marine Biology* 145: 811-820.
- López-Cortés, D. J., C. J. Band-Schmidt, J. J. Bustillos-Guzmán, F. E. Hernández-Sandoval, A. Flores Mendoza y E. J. Núñez-Vázquez. 2014. Condiciones ambientales durante un florecimiento de *Cochlodinium polykrikoides* (Gymnodiniales, Dinophyceae) en la Ensenada de La Paz, Golfo de California. *Revista de Biología Marina y Oceanografía* 49(1): 97-110.
- López-Cortés, D. J., J. J. Bustillos Guzmán and I. Garate Lizarraga. 2006. Unusual mortality of krill (Crustacea: Euphausiacea) in Bahía de La Paz, Gulf of California. *Pacific Science*, 60: 233-240.

- López-Cortés, D.J., J. J. Bustillos Guzmán and C. H. Lechuga Devéze. 1996. Seston distribution in relation to winter hydrographic conditions in central Gulf of California. *Indian Journal Marine Sciences*. 25: 290-296.
- López-Cortés, D. J., J. Bustillos Guzmán, I. Garate Lizárraga, F. Hernández Sandoval and I. Murillo Murillo. 2003. Phytoplankton biomasses and hydrographic conditions El Niño 1997-1998 in Bahía Concepción, Gulf of California. Vol. Especial *Rev. Geofísica Internacional*, vol. 42(3): 495-504
- López-Cortés, D. J., J. Bustillos Guzmán, I. Gárate Lizárraga, F. Hernández Sandoval y I. Murillo Murillo. 2003. Variabilidad del estado trófico y la biomasa de fitoplancton de Bahía Concepción, Golfo de California (1997-1999). *Hidrobiológica*, 13(4):195-206.
- López-Cortés, D. J., I. Gárate-Lizárraga, I., C. J. Band-Schmidt, J. J. Bustillos-Guzmán, F. E. Hernández-Sandoval y E. J. Núñez-Vázquez. 2011. Co-ocurrencia de *Chattonella marina* y *Gymnodinium catenatum* en la Bahía de La Paz, Golfo de California. *Hidrobiológica* 21 (2): 185-195.
- López-Cortés, D. J., I. Gárate-Lizárraga, J. J. Bustillos-Guzmán and F. Hernández Sandoval. 2008. Blooms of *Myrionecta rubra* in Bahía de La Paz, Gulf of California, during early summer of 2005. *Oceánides* 22 (1, 2): 1-10
- López-Cortés, D. J., B. Lavaniegos Espejo, J. García Pamanes y F. Hernández Sandoval. 1999. Composición química del zooplancton de la región central del Golfo de California durante el periodo marzo/abril de 1995. *Hidrobiológica*, 9(1): 53-62.
- López-Cortés, D.J., C. H. Lechuga Devéze and G. J. Bustillos. 1990. Atlas de variables bioquímicas de la Costa Occidental de Baja California Sur. Cruceros PAC.8707 y PAC.8710. Y del Golfo de California Cruceros GOLCA 8709, GOLCA 8802. *Invert. Mar. CICIMAR. ATLAS No.9* .
- López-Cortés, D. J., C. H. Lechuga Devéze and G. J. Bustillos. 1991. Influencia hidrográfica en la distribución de la Materia Orgánica Particulada en la zona Central del Golfo de California (Otoño 1987). *Revista Latinoamericana de Microbiología*. 33:305-312.
- López-Cortés, D. J., C. H. Lechuga Devéze and G. J. Bustillos. 1992. Mesozooplankton and nanophytoplankton biomass related to the physical structure in the Great Island zone of the Gulf of California. *Indian Journal of Marine Science* 21: 17-20.
- López-Cortés, D. J., E. J. Núñez-Vázquez, I. Gárate-Lizárraga, C. J. Band-Schmidt, F. H. Hernández-Sandoval and J. J. Bustillos-Guzmán. 2015. Mass fish die-off during a diatoms bloom in Bahía de La Paz, Gulf of California. *Hidrobiologica* 25 (1): 51-60.
- López-Hernandez, A. et al. 1994. Geological and geophysical studies at Las Tres Vírgenes, Baja California Sur, Mexico. *Transactions of the Geothermal Resources Council* 18: 275-280.
- López-Calderon, J. M., R. Riosmena-Rodríguez, J. Torre, A. Meling and X. Basurto. 2015. *Zostera marina* meadows from the Gulf of California: Conservation status. *Biodiversity Conservation*, doi 10.1007/s 10531-016-1045-6
- López-Martínez, J., A. Acevedo-Cervantes, E. Herrera-Valdivia, J. Rodríguez-Romero and D. S. Palacios-Salgado. 2012. Composición taxonómica y aspectos zoogeográficos de peces de profundida (90-540m) del Golfo de California, México. *Revista Biología Tropical* 60(1): 347-360.
- López-Martínez, J., F. Arreguín-Sánchez, S. Hernández-Vázquez, A. R. García-Juárez and W. Valenzuela-Quiñonez. 2003. Interannual variation of growth of the brown shrimp *Farfantepenaeus californiensis* and its relation to temperature. *Fishers Research* 61: 95-105.

- López-Martínez, J., F. Arreguín-Sánchez, R. Morales-Azpeitia and C. Salinas-Zavala. 2002. Stock assessment and potential yield of the rock shrimp, *Sicyonia penicillata*, fishery of Bahía Kino, Sonora, Mexico. *Fisheries Research* 59: 71-81.
- López-Martínez, J., F. García-Domínguez, E. Alcántara-Razo and E. A. Chávez. 1999. Periodo reproductivo y talla de madurez masiva del camarón de roca *Sicyonia penicillata* (Decapoda: Sicyoniidae) en Bahía Kino, Sonora, México. *Revista Biología Tropical* 47(1-2): 109-117.
- López-Martínez, J., E. Herrera-Valdivia, et al. 2010. Peces de la fauna de acompañamiento en la pesca industrial de camarón en el Golfo de California, México. *Rev. Biol. Trop.* 58: 925-942.
- López-Medellín, X., A. Castillo and E. Ezcurra. 2011. Contrasting perspectives on mangroves in arid Northwestern Mexico: Implications for integrated coastal management. *Ocean & Coastal Management* 54: 318-329.
- López-Medellín, X., E. Ezcurra, C. González-Abraham, J. Hak, L. S. Santiago and J. O. Sickman. 2011. Oceanographic anomalies and sea-level rise drive mangroves inland in the Pacific Coast of Mexico. *Journal of Vegetation Science* 22: 143-151.
- López-Mendilaharsu, M., S. C. Gardner, J. A. Seminoff, and R. Riosmena-Rodríguez. 2003. Feeding ecology of the East Pacific green turtle (*Chelonia mydas agassizii*) in Bahía Magdalena, B.C.S., Mexico. Pp. 219–220 in J. A. Seminoff (comp.), *Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation*, Miami, Florida.
- López-Mendilaharsu, M., S. C. Gardner, J. A. Seminoff, and R. Riosmena-Rodríguez. 2005. Identifying critical foraging habitats of the green turtle (*Chelonia mydas*) along the Pacific coast of the Baja California peninsula, Mexico. *Aquatic Conservation: Marine and Freshwater Ecosystems* 15:259–269.
- López Pérez, R. A. and L. M. Hernández Ballesteros. 2004. Coral community structure and dynamics in the Huatulco area, western Mexico. *Bull. Mar. Sci.* 75(3): 453-472.
- López-Pérez, R. A. 2012. Late Miocene to Pleistocene reef corals in the Gulf of California. *Bulletins of American Paleontology*, No. 383.
- López-Rasgado, F. J., S. Z. Herzka, P. Del-Monte-Luna, E. Serviere-Zaragoza, E. F. Balart and S. E. Lluch-Cota. 2012. Fish assemblages in three arid mangrove systems of the Gulf of California: comparing observations from 1980 and 2010. *Bulletin of Marine Sciences* 88: 919-945.
- López-Sandoval, D. C., J. R. Lara-Lara, M. F. Lavín, S. Álvarez-Borrego and G. Gaxiola-Castro. 2009. Primary productivity in the eastern tropical Pacific off Cabo Corrientes, Mexico. *Ciencias Marinas* 35(2): 169-182.
- Love, M. S., C. W. Mecklenburg, T. A. Mecklenburg, and L. K. Thorsteinson. 2005. *Resource Inventory of Marine and Estuarine Fishes of the West Coast and Alaska: a Checklist of North Pacific and Arctic Ocean species from Baja California to the Alaska-Yukon Border*. U. S. Department of Interior, U. S. Geological Survey, Biological Resources Division, Seattle, Washington. 276 pp.
- Love, M. S., M. Yoklavich, and L. Thorsteinson. 2002. *The Rockfishes of the Northeast Pacific*. University of California Press, Berkeley, CA. 405 pp.
- Lovely, P., J. H. Shaw, Q. Liu and J. Tromp. 2006. A structural *Vp* model of the Salton Trough, California, and its implications for seismic hazard. *Bulletin of the Seismological society of America* 96(5): 1882-1896.

- Low Pfeng, A. M., P. A. Quijón and E. M. Peters Recagno (eds.). 2014. *Especies Invasoras Acuáticas: Casos de Estudio en Ecosistemas de México*. Prólogo James T. Carlton. SEMARNAT, INECC AND UPEI.
- Lowe, C. H. 1955. An evolutionary study of island faunas in the Gulf of California, Mexico, with a method for comparative analysis. *Evolution* 9: 339-344.
- Lowell, S. M., T. C. Hoffmann, M. McGrath, G. Brazoiz and S. L. Thomas. 2012. Coastal and ocean science-based decision-making in the Gulf of California: Lessons and opportunities for improvement. *Coastal Management* 40: 557-576.
- Lucchitta, I. 1979. Late Cenozoic uplift of the southwestern Colorado Plateau and adjacent lower Colorado River region. *Tectonophysics* 61: 63-95.
- Luecke, D. F., J. Pitt, C. Congdon, E. Glenn, C. Valdés-Casillas and M. Briggs. 1999. *A Delta Once More: Restoring Riparian and Wetland Habitat in the Colorado River Delta*. Environmental Defense fund, Washington D.C. 51 pp.
- Luers A. L., R. L. Naylor and P. A. Matson. 2006. A case study of land reform and coastal land transformation in southern Sonora, Mexico. *Land Use Policy* 23:436–447.
- Lugo-Ibarra, K. C., L. W. Daesslé, J. V. Macías-Zamora and N. Ramírez-Álvarez. 2011. Persistent organic pollutants associated to water fluxes and sedimentary processes in the Colorado River Delta, Baja California, México. *Chemosphere* 85: 210-217.
- Lumholtz, C. 1912. *New Trails in Mexico: An Account of One Year's Exploration in North-Western Sonora, Mexico and South-Western Arizona, 1909-1910*. T. Fisher Unwin, London (reprinted 1971, Rio Grande Press Glorieta, NM; reprinted 1990, University of Arizona Press, Tucson, AZ).
- Luyendyk, B. P. 1991. A model for Neogene crustal rotations, transtension, and transpression in southern California. *Geol. Soc. America, Bulletin* 103: 1528-1536.
- Luyendyk, B. P., M. Kamerling and R. Terres. 1980. Geometric model for Neogene crustal rotations in southern California. *Geol. Soc. America, Bull.* 91: 211-217.
- Lyle, M. and G. E. Ness. 1990. The opening of the southern Gulf of California. Pp. 403–423 in J. P. Dauphin and B. R. Simoneit (eds.), *The Gulf and Peninsula Province of the Californias*. American Association of Petroleum Geologists Memoir 47.
- Lynch, D. J. 1982. Volcanic processes in Arizona. *Arizona Bureau of Geology and Mining Technology, Field Notes* 12: 1-9.
- Lynch, D. J., T. E. Musselman, J. T. Gutman, and P. J. Patchett. 1993. Isotopic evidence for the origin of Cenozoic volcanic rocks in the Pinacate volcanic field, northwestern Mexico. *Lithos* 29:295–302.
- MacDougal, D. T. and G. Sykes. 1907. The Desert Basins of the Colorado Delta. *Bulletin of the American Geographical Society* 39(12): 705-729.
- MacKintosh, G. 1988. *Into a Desert Place: A 3000 Mile Walk Around the Coast of Baja California*. Unwin Hyman, London.
- MacKintosh, G. 2008. *Marooned with Very Little Beer*. Baja Detour Press. Lemon Grove, CA.
- MacKintosh, G. 2011. *Journey with a Baja Burro*. Baja Detour Press. Lemon Grove, CA.
- Macleod, C. D., W. F. Perrin, R. Pitman, J. Barlow, L. Balance, A. Dámico, T. Gerrodette, G. Joyce, K. D. Mullin, D. L. Palka, and G. T. Waring. 2006. Known and inferred distributions of beaked whale species (Cetacea: Ziphiidae). *Journal of Cetacean Research and Management* 7 (3):271–286.
- Macpherson, E. 2002. Large-scale species-richness gradients in the Atlantic Ocean. *Proceedings of the Royal Society of London, Series B*, 269:1715–1720.

- Madrid-Vera, J., D. Chávez Herrera, J. Melchor Aragón, R. Meraz-Sánchez and J. A. Rodríguez-Preciado. 2012. Management for the white shrimp (*Litopenaeus vannamei*) from the southeastern Gulf of California through biomass models analysis. *Open Journal of Marine Science* 2012,2: 8-15.
- Madrid-Vera, J. E. Visauta-Girban and H. Aquirre-Villaseñor. 2010. Composition of the trawl-catch fauna off the mouth of the Rio Baluarte, southeastern Gulf of California. *Marine Ecology Progress Series* 403: 145-153.
- Magallón-Barajas, F. J. 1987. The Pacific shrimp fishery of Mexico. *CalCOFI Report* 28:43–52.
- Mailliard, J. 1923. Expedition of the California Academy of Sciences to the Gulf of California in 1921. The birds. *Proceedings of the California Academy of Sciences*, 4th series, 12:443–456.
- Mair, J. McD. 1980. Salinity and water-type preferences of four species of postlarval shrimp (*Penaeus*) from west Mexico. *Journal of Experimental Marine Biology and Ecology* 45: 69-82.
- Mair, J. McD., J. L. Watkins and D. I. Williamson. 1982. Factors affecting the immigration of postlarval penaeid shrimp into a Mexican lagoon system. *Oceanologica Acta, Proc. Internat. Symp. On Coastal Lagoons, Bordeaux France, 8-14 September 1981*, pp. 339-345.
- Malkin, B. 1962. *Seri Ethnozoology*. Occasional Papers No. 7, Idaho State College Museum, Pocatello, ID.
- Maluf, L. Y. 1983. Physical oceanography. Pp. 26–45 in T. J. Case and M. L. Cody (eds.), *Island Biogeography in the Sea of Cortez*. University of California Press, Berkeley and Los Angeles, CA.
- Maluf, L. Y. 1988. Composition and distribution of the central eastern Pacific echinoderms. *Natural History Museum of Los Angeles County, Technical Reports No. 2*, 242pp.
- Mangels, K. F., and T. Gerrodette. 1994. Report of cetacean sightings during a marine mammal survey in the eastern Tropical Pacific Ocean and the Gulf of California aboard the NOAA ships *Mc Arthur* and *David Starr Jordan* July 28-November 6, 1993. NOAA-TM-NMFS-SWFSC-211. 88 pp.
- Mantooth, S. J., D. J. Hafner, R. W. Bryson, Jr. and B. R. Riddle. 2013. Phylogeographic diversification of antelope squirrels (*Ammospermophilus*) across North American deserts. *Biological Journal, Linnean Society of London*.
- Manzano-Fischer, P., G. Ceballos, R. List, and J.-L. E. Cartron. 2006. Avian diversity in a priority area for conservation in North America: the Janos–Casas Grandes Prairie Dog Complex and adjacent habitats in northwestern Mexico. *Biodiversity and Conservation* 15:3801–3825.
- Manzano-Sarabia, M. M., E. A. Aragón-Noreiga, C. A. Salinas-Zavata and D. B. Lluch-Cota. 2007. Distribution and abundance of penaeid shrimps in a hypersaline lagoon in northwestern Mexico, emphasizing the brown shrimp *Farfantepenaeus californiensis* life cycle. *Marine Biology* 152: 1021-1029.
- Mapstone, G. M. and J. C. Ljubenkov. 2013. New observations on *Dromalia alexandri* Bigelow, 1911, a rhodaliid physonect siphonophore from southern California waters. *Marine Ecology* 34 (Suppl. 1): 96-112.
- Maravilla, C. M. and J. P. Gallo R. 2000. Familia Otariidae. Pp. 775–780 in S. T. Álvarez-Castañeda and J. L. Patton (eds.), *Mamíferos del Noroeste de México II*. Centro de Investigaciones Biológicas del Noroeste, S.C, La Paz, Baja California Sur. 873 pp.

- Maravilla, C. M. and M. Lowry. 1999. Incipient breeding colony of Guadalupe fur seals at Isla San Benito del Este, Baja California, Mexico. *Marine Mammal Science*, 15:239–241.
- Marazzi, B., J. L. Bronstein, P. N. Sommers and B. R. López. 2015. *J. Southwest* 57: 457-501.
- Marcus, E. and E. Marcus. 1967. *American Opisthobranch Mollusks. Studies in Tropical Oceanography*, No. 6, University of Miami. 256 pp.
- Marine Mammal Commission. 2007. Annual Report to the Congress 2006. 4340 East-West Highway, Room 905, Bethesda, MD 20814. 200 pp.
- Marinone, S. G. 2003. A three dimensional model of the mean and seasonal circulation of the Gulf of California. *Journal of Geophysical Research* 108 (C10):3325.
- Marinone S. G. 2008. On the three-dimensional numerical modeling of the deep circulation around Ángel de la Guarda Island in the Gulf of California. *Est. Coast. Shelf Sci.* 80: 430–434.
- Marinone S. G. 2012. Seasonal surface connectivity in the Gulf of California. *Estuarine, Coastal and Shelf Science* 100(1): 133-141.
- Marinone, S., J. Gonzalez and J. Figueroa. 2009. Prediction of currents and sea surface elevation in the Gulf of California from tidal to seasonal scales. *Environmental Modeling & Software* 24: 140-143.
- Marinone, S. G. and M. F. Lavín. 2003. Residual flow and mixing in the large islands region of the central Gulf of California. Pp. 213–236 in O. U. Velasco Fuentes, J. Sheinbaum, and J. L. Ochoa de la Torre (eds.), *Nonlinear Processes in Geophysical Fluid Dynamics*. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Marinone S.G., M. F. Lavín and A. Parés-Sierra. 2011. A quantitative characterization of the seasonal Lagrangian circulation of the Gulf of California from a three-dimensional numerical model. *Cont. Shelf Res.* 31: 1420–1426.
- Marinone, S. G., A. Parés-Sierra, R. Castro, and A. Mascarenhas. 2004. Correction to “Temporal and spatial variation of the surface winds in the Gulf of California.” *Geophysical Research Letters*, 31:L10305, doi:10.1029/2004GL020064.
- Marinone, S. G., M. J. Ulloa, A. Parés-Sierra, M. F. Lavín and R. Cudney-Bueno. 2008. Connectivity in the northern Gulf of California from particle tracking in a three-dimensional numerical model. *Journal of Marine Systems* 71: 149-158.
- Markham, C. G. 1972. Baja California’s climates. *Weather-wise* 25: 64-76.
- Markaida, U., W. F. Gilly, C. A. Salinas-Zavala, R. Rosas-Luis and J. Ashley T. Booth. 2008. Food and feeding of jumbo squid *Dosidicus gigas* in the central Gulf of California during 2005-2007. *CalCOFI Reports* 49: 90-103.
- Markaida, U., J. J. Rosenthal, and W. F. Gilly. 2005. Tagging studies on the jumbo squid (*Dosidicus gigas*) in the Gulf of California, Mexico. *Fishery Bulletin* 103:219–226.
- Marlett, C. M. 2000. A Desemboque childhood. *Journal of the Southwest* 42: 411-426.
- Marlett, C. M. 2015. The Trooqui Treen: A Seri truck. 2015. *J. Southwest* 57: 199-212.
- Marlett, S. A. 2008. The form and use of names in Seri. *International Journal of American Linguistics* 74: 47-82.
- Marmaduke, W. S. and R. J. Martyneec (eds.). 1993. *Shelltown and the Hind Site. A Study of Two Hohokam Craftsman Communities in Southwestern Arizona*. Northland Research Inc., Flagstaff, AZ.
- Martínez-Díaz-de-León, A. 2001. Upper-ocean circulation patterns in the northern Gulf of California, expressed in ERS-2 synthetic aperture radar imagery. *Ciencias Marinas* 27(2): 209-221.

- Márquez-Farías, J. F. 2007. Reproductive biology of shovelnose guitarfish *Rhinobates productus* from the eastern Gulf of California, Mexico. *Mar. Biol.* 151: 1445-1454.
- Márquez-Farías, J. F. and F. J. Rosales-Juárez. 2013. Intrinsic rebound potential of the endangered *Totoaba macdonaldi* population endemic to the Gulf of California, Mexico. *Fisheries Research* 147: 150-153.
- Márquez, M. R. 1984. Opinión sobre cuotas y franquicias de tortugas marinas, temporada de tortugas marinas. Instituto Nacional de Pesca, Mexico. 17 pp.
- Márquez-M. R., M. Carrasco-A., and M.C. Jiménez. 2002. The marine turtles of Mexico: An update. Pp. 281–285 in I. Kinan (ed.), *Proceedings of the Western Pacific Sea Turtle Cooperative Research and Management Workshop*. WESTPAC, Honolulu, HI.
- Márquez, R., and T. Doi. 1973. Ensayo Teorico sobre el analisis de la poblacion de tortuga prieta, *Chelonia mydas carrinegra* Caldwell, en aguas del Golfo de California, Mexico. *Bulletin of the Tokai Regional Fisheries Laboratory* 73:1–22.
- Márquez, R., C. Peñaflores, and J. Vasconcelos. 1996. Olive Ridley turtles (*Lepidochelys olivacea*) show signs of recovery at La Escobilla, Oaxaca. *Marine Turtle Newsletter* 73:5–7.
- Marrack, E. C. 1999. The relationship between water motion and living rhodolith beds in the southwestern Gulf of California, Mexico. *Palaios* 14 (2):159–171.
- Marsaglia, K. M. 2004. Sandstone detrital modes support Magdalena Fan displacement from the mouth of the Gulf of California. *Geology* 32: 45-48.
- Marshall, C. J. and J. K. Liebherr. 2000. Cladistic biogeography of the Mexican transition zone. *Jour. Biogeography* 27: 203-216.
- Martell, M. S, C. J. Henny, P. E. Nye, and M. J. Solensky. 2001. Fall migration routes, timing, and wintering sites of North American Osprey as determined by satellite telemetry. *Condor* 103:715–724.
- Mathes, W. M. 1968. Vizcaíno and Spanish Expansion into the Pacific Ocean. California Historical society, San Francisco, CA.
- Martin, P. L., D. Yetman, M. Fishbein, P. Jenkins, T. R. Van Devender and R. K. Wilson. 1998. *Gentry's Rio Mayo Plants: The Tropical Deciduous Forest and Environs of Northwest Mexico*. University of Arizona Press, Tucson, AZ.
- Martin, S. C. and R. M. Turner. 1977. Vegetation change in the Sonoran Desert region, Arizona and Sonora. *Journal of the Arizona Academy of Science* 12: 59-69.
- Martín-Barajas, A., M. González-Escobar, J. M. Fletcher, M. Pacheco, M. Oskin and R. Dorsey. 2013. Thick deltaic sedimentation and detachment faulting delay the onset of continental rapture in the northern Gulf of California: analysis of seismic reflection profiles. *Tectonics* 32: 1294-1311.
- Martín-Barajas, A., S. Vázquez-Hernández, A. L. Carreño, J. Helenes, F. Suárez-Vidal and J. Alvarez-Rosales. 2001. Late Neogene stratigraphy and tectonic control on facies evolution in the Laguna Salada Basin, northern Baja California, Mexico. *Sedimentary Geology* 144: 5-35.
- Martínez, Maximino. 1947. *Baja California: reseña histórica del territorio y su flora*. Ediciones Botas, México, D.F.
- Martínez-Aguilar, S., J. A. de Anda-Montañez, F. Arreguín-Sánchez and M. A. Cisneros-Mata. 2009. Constant harvest rate for the Pacific sardine (*Sardinops caeruleus*) fishery in the Gulf of California based on catchability-at-length estimations. *Fisheries Research*, doi:10.1016/j.fishers.2009.05.002

- Martínez-Díaz-de-León, A. 2001. Upper-ocean circulation patterns in the northern Gulf of California, expressed in ERS-2 synthetic aperture radar imagery. *Ciencias Marinas* 27(2): 209-221.
- Martínez-Díaz-de-León, A., I. Pacheco-Ruíz, F. Delgadillo-Hinojosa, J. A. Zertuche-González, A. Chee-Barragán, R. Blanco-Betancouft, J. M. Guzmán-Calderón and A. Gálvez-Telles. 2006. Spatial and temporal variability of the sea surface temperature in the Ballenas-Salsipuedes Channel (central Gulf of California). *J. Geophysical Res.* 111, doi:10.1029/2005JC002940.
- Martínez-Guerrero, B. and M. E. Hendrickx. 2011. Four new records of caridean shrimps (Decapoda: Palaemonidae: Alpheidae) in Mexican Pacific waters. *Crustaceana* 84:1111-1115.
- Martyneq, R. and S. Martyneq. 2008. Lost City. A Shell Jewelry Manufacturing Vilage. Archaeological Series No. 2, Arizona Archaeological Society, Ajo Chapter.
- Mascareñas, I, B. Erisman, J. Moxley, E. Balart, and O. Aburto-Oropeza. 2011. Checklist of conspicuous reef fishes of Bahía de los Ángeles, Baja California, Mexico, with comments on their ecological biogeography. *Zootaxa* 2922: 60–68.
- Marsh, P. C. and W. L. Minckley. 1989). Observations on recruitment and ecology of razorback sucker: lower Colorado River, Arizona-California-Nevada. *Great Basin Naturalist* 49(1): 71-78.
- Massey, B. W., and E. Palacios. 1994. Avifauna of the wetlands of Baja California, Mexico: current status. *Studies in Avian Biology* 15:45–57.
- Massin, C. and M. E. Hendrickx. 2010. A new species of deep-water Holothuroidea (Echinodermata) of the genus *Synallactes* from off western Mexico. *Scientia Marina* 74: 599-603.
- Massin, C. and M. E. Hendrickx. 2011. Deep-water Holothuroidea (Echinodermata) collected during the TALUD cruises off the Pacific coast of Mexico, with the description of two new species. *Revista Mexicana de Biodiversidad* 82: 413-443.
- Massin, C. and M. E. Hendrickx. 2013. On two Poslidae (Echinodermata: Holothuroidea) from the Gulf of California. *Revista Mexicana de Biodiversidad* 84: 94-99.
- Mateo-Cid, L. E., A. C. Mendoza-González, L. E. Aguilar-Rosas and R. Aguilar-Rosas. 2013. Occurrence and distribution of the genus *Jania* J. V. Lamouroux (Corallinales, Rhodophyta) in the Pacific Coast of Baja California and Gulf of California, Mexico. *American Journal of Plant Sciences* 4: 1-13.
- Mateo-Cid, L. E., A. C. Mendoza-González and C. G. García. 2000. Contribución al estudio de las algas marinas bentónicas de Punta Arena y Cabo Pulmo, Baja California Sur, México. *Acta Botanica Mexicana* 52: 55-73.
- Mateo-Cid, L. E., I. Sánchez-Rodríguez, Y. E. Rodríguez-Montesinos, and M. M. Casas-Valdez. 1993. Estudio florístico de las algas marinas bentónicas de Bahía Concepción, B.C.S., México. *Ciencias Marinas* 19:41–60.
- Mateos E., S. G. Marinone and M. F. Lavín. 2006. Role of tides and mixing in the formation of an anticyclonic gyre in San Pedro Mártir Basin, Gulf of California. *Deep-Sea Res. II*, 53: 60-76.
- Mathes, W. M. 1968. *Vizcaíno and Spanish expansion into the Pacific Ocean*. California Historical Society, San Francisco, CA.

- Mathes, W.M. (ed). 1969. *First from the Gulf to the Pacific: The diary of the Kino-Atondo Peninsular Expedition*. Baja California Travel Series No. 16. Dawson's Book Shop, Los Angeles, California.
- Mayer, L. and K. R. Vincent. 1999. Active tectonics of the Loreto area, Baja California Sur, Mexico. *Geomorphology*, 27:243–255.
- Mandryk, C. A. S., H. Josenhans, D. W. Fredje and R. W. Matthewes. 2001. Late Quaternary paleoenvironments of northwestern North America: implications for inland versus coastal migration routes. *Quaternary Science Reviews* 20: 301-314.
- Marshall, L. G. and C. Blake. 2009. *Land of Black Volcanoes and White Sands. The Pinacate and Gran Desierto de Altar Biosphere Reserve*. Environmental Education Exchange, Tucson, AZ. 130 pp. [available from the Arizona-Sonora Desert Museum, Tucson, AZ]
- Mathers, C., J. M. Mitchem and C. M. Haecker (eds.). 2013. *Native and Spanish New Worlds. Sixteenth-Century Entradas in the American Southwest and Southeast*. University of Arizona Press, Tucson, AZ.
- May, L. A. 1973. Resource reconnaissance of the Gran Desierto region, northwestern Sonora, Mexico. Master's Thesis, University of Arizona. 173 pp, plus maps.
- May, L. A. 1973. Geological reconnaissance of the Gran Desierto Region, Northwestern Sonora, Mexico. *Journal Arizona Academy of Science* 8(3): 159-169.
- May, L. A. 1976. Fauna de vertebrados de la region del Gran Desierto, Sonora, México. *Ann. Instituto Biológico Universidad Nacional Autónoma de México* 47, Ser. SZoología (2): 143-182.
- May, L. A. 2007. Pinacate Recon. Pp. 259-303 in, B. Broyles (ed.), *Science on Desert and Lava: A Pinacate Centennial, Part I*. *Journal of the Southwest* 49(2).
- May, R. C. 1975. Effects of temperature and salinity on fertilization, embryonic development, and hatching in *Bairdiella icistia* (Pisces: Sciaenidae), and the effect of parental salinity acclimatization on embryonic and larval salinity tolerance. *Fisheries Bulletin* 73(1): 1-22.
- McCosker, J. E. and C. E. Dawson. 1975. Biotic passage through the Panama Canal, with particular reference to fishes. *Marine Biology* 30:343–351.
- McCourt, R. M. 1984a. Niche differences between sympatric *Sargassum* species in the northern Gulf of California. *Marine Ecology Progress Series* 18:139–148.
- McCourt, R. M. 1984b. Seasonal patterns of abundance, distributions, and phenology in relation to growth strategies of three *Sargassum* species. *Journal of Experimental Marine Biology and Ecology* 74:141–156.
- McCourt, R. M. 1985. Biomass allocation patterns in three species of intertidal *Sargassum*. *Oecologia* 67: 113–117.
- McCourt, R. M. 2010. A brief natural history of algae in the Gulf of California. Pp. 210-218 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- McDougall, K., Poore, R. Z., and Matti, J. C. 1999. Age and paleoenvironment of the Imperial Formation near San Geronio Pass, southern California. *Journal of Foraminiferal Research* 29 (1):4–25.
- McDougall, K. and A. Y. Miranda Martínez. 2014. Evidence for a marine incursion along the lower Colorado River corridor. *Geosphere*, doi: 10.1130/GES00975.1
- McFall, C. C. 1968. Reconnaissance geology of the Concepcion Bay area, Baja California, Mexico. *Stanford University Publications, Geological Sciences* 10, No. 5.

- McGee, W. J. 1900. The Gulf of California as an evidence of marine erosion. *Science* 11, No. 272:429–430.
- McGuire, R. H. 1982. *Hohokam and Patayan: Prehistory of Southwest Arizona*. Academic Press, New York.
- McGuire, R. H. and A. V. Howard. 1987. The structure and organization of Hohokam shell exchange. *Kiva* 52(2): 113-146.
- McGuire, R. H. and M. B. Schiffer (eds.). 1982. *Hohokam and Patayan: Prehistory of Southwestern Arizona*. Academic Press, New York.
- McGuire, T. and J. Greenberg (eds.). 1993. *Maritime Community and Biosphere Reserve: Crisis and Response in the Upper Gulf of California*. University of Arizona, Tucson, Arizona.
- McGuire, T. R. and G. C. Valdez-Gardea. 1997. Endangered species and precarious lives in the Upper Gulf of California. *Culture & Agriculture* 19(3): 101-107.
- McKee, E. H., D. C. Noble and M. L. Silberman. 1970. Middle Miocene hiatus in volcanic activity in the Great Basin area of the Western United States. *Earth and Planetary Science Letters* 8: 93-96.
- McKibbin, N. 1989. *The Sea in the Desert. Explorer's Guide to the Gulf of California Seashore*. Golden Puffer Press, Tucson, AZ.
- McLean, H. 1988. Reconnaissance geologic map of the Loreto and part of the San Javier quadrangles, Baja California Sur, Mexico. U.S. Geological Survey Map MF-2000, 1:50,000.
- McLean, H. 1989. Reconnaissance geology of a Pliocene marine embayment near Loreto, Baja California Sur, Mexico. Pp. 17-25 in, *Geologic Studies in Baja California*. Pacific Section, Society of Economic Paleontologists and Mineralogists, Los Angeles, CA.
- McMillan, C. and R. Philips. 1979. *Halodule wrightii* Aschers, in the Sea of Cortez, Mexico. *Aquatic Botany* 6: 393-396.
- Mead, J. 2003. Crocodylian remains from the late Pleistocene of northeastern Sonora, Mexico. *Crocodyle Specialist Group Newsletter (IUCN–World conservation Union, Species Survival Commission)* 22 (1):19–21.
- Mead, J. I., A. Baez, S. L. Swift, M. C. Carpenter, M. Hollenshead, N. J. Czaplewski, D. W. Steadman, J. Bright, and J. Arroyo-Cabrales. Tropical marsh and savanna of the late Pleistocene in northeastern Sonora, Mexico. *The Southwestern Naturalist* 51 (2):226–239.
- Meadows, C. A., R. C. Garrick and R. J. Dyer. 2009. Analysis of genetic structure in *Euphorbia lomelii*, a desert euphorbs. *Auctus* 1(1): 19-24.
- Meckel, L. D. 1975). Holocene sand bodies in the Colorado delta area, northern Gulf of California. *Deltas—Models for Exploration*. Houston, Texas: Houston Geological Society: 239–265.
- Medellin-Azuara, L., J. r. Lund and R. E. Howitt. 2007. Water supply analysis for restoring the Colorado River Delta, Mexico. *Journal of Water Resources Planning and Management*. 133: 462-471.
- Medina Rosas, P. And M. A. Tovar-Hernández. 2012. Capítulo VII. Bryozoa, Cnidaria, Kamptozoa. Pp: 107-128 in, A. M. Low Pfeng and E. M. Peters Recagno (eds.), *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INE-SEMARNAT. México. ISBN 978-607-95860-2-7.
- Meek, N. and J. Douglass. 2001. Lake overflow: an alternative hypothesis for Grand Canyon incision and development of the Colorado River. Pp. 199-204 in, R. A. Young and E. E. Spamer (eds.), *Colorado River: Origin and Evolution*. Grand Canyon Assoc., AZ.

- Mejía Mercado, B. E., A. H. Corona and M. E. Hendrickx (eds). 2014. *Explorando el Mar Profundo del Golfo de California, 2008-2014*. CICESE, Ensenada, B.C., Mexico.
- Melin, S. R. and R. L. DeLong. 1999. Guadalupe fur seal (*Arctocephalus townsendi*) female and pup at San Miguel Island, California. *Marine Mammal Science* 15:995.
- Meling-López, A.E. and S. E. Ibarra-Obando. 1999. Annual life cycles of two *Zostera marina* L. populations in the Gulf of California: contrasts in seasonality and reproductive effort. *Aquatic Botany* 65:59–69.
- Mellink, E. 1995. Status of the muskrat in the Valle de Mexicali and delta del Río Colorado, Mexico. *California Fish and Game* 81:33–38.
- Mellink, E. 2001. History and status of colonies of Heermann's Gull in Mexico. *Waterbirds* 24:188–194.
- Mellink, E. and V. Ferreira-Bartrina. 2000. On the wildlife of wetlands of the Mexican portion of the Río Colorado delta. *Bulletin of the Southern California Academy of Sciences* 99:115–127.
- Mellink, E. and E. Palacios. 1993. Notes on breeding coastal waterbirds in northwestern Sonora. *Western Birds* 24:29–37.
- Mellink, E., E. Palacios, and S. González. 1996. Notes on nesting birds of the Ciénega de Santa Clara salt flat, northwestern Sonora, Mexico. *Western Birds* 27:202–203.
- Mellink, E., E. Palacios, and S. González. 1997. Non-breeding waterbirds of the delta of the Río Colorado, México. *Journal of Field Ornithology* 68: 113-123.
- Meltzer, L., N. S. Blinick and A. B. Fleishman. 2012. Management Implications of the Biodiversity and Socio-economic Impacts of Shrimp Trawler By-Catch in Bahía de Kino, Sonora, México. *PLoS ONE* 7(6): e35609. doi:10.1371/journal.pone.0035609.
- Meltzer, L. and J. O. Chang. 2006. Export market influence on the development of the Pacific shrimp fishery of Sonora, México. *Ocean & Coastal Management* 49(3-4), 222-235.
- Méndez, M. 1981. Claves de identificación y distribución de los longostinos y camarones (Crustacea: Decapoda) del mar y ríos de la costa del Perú. Instituto del Mar del Perú. Boletín no. 5. 170 pp.
- Meneses, J. (ed). 2010. The El Mayor Cucapah, Baja California earthquake, April 4, 2010. Earthquake Engineering Research Institute. 107 pp.
- Meraz-Sánchez, R., J. Madrid-Vera, M. Á. Cisneros-Mata and D. Chávez Herrera. 2013. An approach to assessment to population of the brown shrimp, *Farfantepenaeus californiensis* (Holmes, 1900) as a management fisheries tool in the southeastern Gulf of California. *Open Journal of Marine Science* 3: 40-47.
- Merriam, R. 1969. Source of sand dunes of southeastern California and northwestern Sonora, Mexico. *Bulletin, Geological Society of America* 80: 531-534.
- Merriam, R. 1972. Reconnaissance geologic map of the Sonoyta quadrangle, northwestern Sonora, Mexico. *Bulletin, Geological Society of America* 83: 3533-3583.
- Merriam, R. and O. L. Bandy. 1965. Source of upper Cenozoic sediments in Colorado Delta region. *Journal of Sedimentary Research* 35(4): 911-916.
- Merrifield, M. A., C. D. Winant, J. M. Robles, R. T. Guza, N. A. Bray, J. García, A. Badan-Dangon and N. Christensen, Jr. 1986. Observations of currents, temperature, pressure, and sea level in the Gulf of California 1982–1986. A Data Report, SIO Ref. 86–11, Scripps Institution of Oceanography, La Jolla. 153 pp.
- Mesnick, S. L., M. A. Garcia Rivas and T. Pfister. 1998. Northern elephant seals in the Gulf of California, México. *Marine Mammal Science* 14(1), 171-178.

- Metzger, D. G. 1968. The Bouse Formation (Pliocene) of the Parker-Blyth-Cibola area, Arizona and California. U. S. Geological Survey Professional Paper 600-D: 126-136.
- Meyers, M. K., M. S. Pankey and J. P. Wares. 2012. Genealogical approaches to the temporal origins of the Central American Gap: speciation and divergence in pacific *Chthamalus* (Sessilia: Chthamalidae). *Revista Biología Tropical* 61(1): 75-88.
- Mexicano, L., E. P. Glenn, O. Hinojosa-Huerta, J. García-Hernandez, K. Flessa, A. Hinojosa-Corona. 2013. Long-term sustainability of the hydrology and vegetation of Ciénega de Santa Clara, an anthropogenic wetland created by disposal of agricultural drain water in the delta of the Colorado River, Mexico. *Ecological Engineering*, doi: 10.1016/j.ecoleng.2012.12.096.
- Micheli, F., A. Saenz-Arroyo, A. Greenley, L. Vazquez, J. A. Espinoza Montes, M. Rossetto and G. A. De Leo. 2012. Evidence that marine reserves enhance resilience to climatic impacts. *PLoS ONE* 7(7): 1-8.
- Michler, Lieut. M. 1857. From the 111th meridian of longitude to the Pacific Ocean. Pp. 101-136 in, W. H. Emory, Report on the United States and Mexican Boundary Survey, Vol. 1, 101–136.
- Millán-Márquez, A. M., C. Salinas-Zavala, P. Cruz and D. E. Pearse. 2014. Isolation and characterization of microsatellites for jumbo squid *Dosidicus gigas* (Ommastrephidae). *Journal of Genetics (India)*, 93: e38-e40.
- Millán-Núñez R., S. Álvarez-Borrego and D. M. Nelson. 1982. Effects of physical phenomena on the distribution of nutrients and phytoplankton productivity in a coastal lagoon. *Estuarine & Coastal Shelf Science* 15: 317-335.
- Millán-Núñez, R., E. Santamaría del Ángel, R. Cajal Medrano and O. A. Barocio León. 1999. The Colorado River Delta: A high primary productivity ecosystem. *Ciencias Marinas* 25(4): 509-540.
- Miller, A. H., H. Friedman, L. Griscom, and R. T. Moore. 1957. Distributional checklist of the birds of Mexico, Part 2. *Pacific Coast Avifauna* 33.
- Miller, M. W. 1998. Coral/seaweed competition and the control of reef community structure within and between latitudes. *Oceanography and Marine Biology: an Annual Review* 36:65–96.
- Miller, R. R., with the collaboration of W. L. Minckley and S. M. Norris. 2005. *Freshwater Fishes of México*. University of Chicago Press, Chicago, IL.
- Miller, R. R. and L. A. Fuiman. 1987. Description and conservation status of *Cyprinodon macularius eremus*, a new subspecies of pupfish from Organ Pipe Cactus National Monument, Arizona. *Copeia* 1987: 593-609.
- Miller, W. E. 1980. The late Pliocene Las Tunas local fauna from southernmost Baja California. *Journal of Paleontology* 54:762–805.
- Minch, J. A. 1967. Stratigraphy and structure of the Tijuana-Rosarito Beach area, northwestern Baja California, Mexico. *In Ecological Society of America Bulletin*, 78 (9): 1115–1178.
- Minch, J. A., J. R. Ashby, T. A. Deméré, and H. T. Kuper. 1984. Correlation and depositional environments of the middle Miocene Rosarito Beach Formation of northwestern Baja California, Mexico. *In J. A. Minch and J. R. Ashby, Jr. (eds.), Miocene and Cretaceous depositional environments, northwestern Baja California, Mexico. Pacific Section American Association of Petroleum Geologists*, 54:33–46.
- Minch, J. A. and T. Leslie. 1991. *The Baja Highway: A Geology and Biology Field Guide for the Baja Traveler*. John Minch and Assoc., San Juan Capistrano, CA.

- Minckley, W. L. 1983. Status of the razorback sucker, *Xyrauchen texanus* (Abbott), in the lower Colorado River basin. *Southwestern Naturalist* 28(2): 165-187.
- Minckley, W. L. 1991. Native fishes of the Grand Canyon Region: An obituary? In, National Research Council (eds.), *Colorado River Ecology and Dam Management*. National Academies Press, Washington, D.C.
- Minckley, W. L. 2002. Fishes of the lowermost Colorado River, its delta and estuary: A commentary on biotic change. Pp. 63–78 in M. L. Lozano-Vilano (ed.), *Libro Jubilar en Honor al Dr. Salvador Contreras Balderas*. Ediciones Universidad Autónoma de Nuevo León, Monterrey, N.L., México.
- Minckley, W. L., D. A. Hendrickson and C. E. Bond. 1986. Geography of western North American freshwater fishes: description and relations to intracontinental tectonism. Pp. 519-613 in, C. H. Hocutt and E. O Wiley (eds.), *Zoogeography of Western North American Freshwater Fishes*. John Wiley and Sons, New York.
- Minckley, W. L., P. C. Marsh, et al. A conservation plan for native fishes of the lower Colorado River. *BioScience* 53(3): 219-234.
- Minnich, R. A. 1987. The distribution of forest trees in northern Baja California, Mexico. *Madroño* 34: 98-127.
- Minoura, K., and T. Nakamori. 1982. Depositional environment of algal balls in the Ryukyu group, Ryukyu Islands, southwestern Japan. *Journal of Geology* 90:602–609.
- Miranda-Reyes, F., S. Reyes-Coca, and J. Garcia-López. 1990. Climatología de la region noroeste de México. Parte I. Precipitación. Technical Report EBA No. 3, CICESE, Ensenada, Baja California, México. 160 pp.
- Mitchell, A. J. and K. J. Collins. 2004. Understanding the distribution of maerl, a calcareous seaweed, off Dorset, UK. Pp. 65–82 in *Proceedings of the Second International Symposium on GIS/Spatial Analyses in Fishery and Aquatic Sciences*, University of Sussex, Brighton, UK.
- Mitchell, D. E., D. H. Backus and M. E. Johnson. 2001. Opalized wood from the Upper Pliocene of Baja California Sur: A coastal-plain deposit on the Gulf of California. *Geological Society of America, Abstracts with Program* 33, No. 6, A-197–A-198.
- Mitchell, D. L. and D. Ivanova. 2002. Gulf of California sea surface temperatures and the North American Monsoon: Mechanistic implications from observations. *Journal of Climate* 15(17): 2261-2281.
- Mitchell, D. R., G. Huckleberry, K. Rowell and D. L. Dettman. 2015. Coastal adaptations during the Archaic Period in the northern Sea of Cortez, Mexico. *J. Island & Coastal Archaeology* 00: 1-24. DOI: 10.1080/15564894.2014.881938.
- Mitchell, D. R. and M. S. Foster 2000. Shell middens along the Sea of Cortez, Puerto Peñasco, Sonora, Mexico. *Journal of Field Archaeology* 27: 27-41.
- Mitchell, D. R. and M. S. Foster. 2011. Salt, seashells, and shiny stones: prehistoric Hohokam resource exploitation in the Papaguería and northern Gulf of California. *Journal Arizona Archaeology* 1(2): 176-184.
- Mitchell, D. R. and M. S. Shackley. 1995. Classic Period Hohokam obsidian studies in southern Arizona. *Journal of Field Archaeology* 22: 291-304.
- Mittermeier, R. A., C.F. Kormos, C.G. Mittermeier, T. Sandwith, and C. Besançon (eds.). 2005. *Transboundary Conservation: A New Vision for Protected Areas*. CEMEX (Monterrey),

- Conservation Internacional (Washington, D.C.) and Agrupación Sierra Madre (México, D.F.). pp. 128–137.
- Mittermeier, R. A., C.G. Mittermeier, P. Robles-Gil, J. Pilgrim, G.A.B. da Fonseca, T. Brooks, and W.R. Konstant (eds.). 2002. *Wilderness. Earth's Last Wild Places*. CEMEX (Monterrey), Conservation Internacional (Washington, D.C.) and Agrupación Sierra Madre (México, D.F.). pp. 315–333.
- Mittermeier, R. A., P. Robles Gil, and C. G. Mittermeier. 1997. *Megadiversity*. Cemex, Mexico City, Mexico.
- Moffat, N. A. and D. A. Thomson. 1975. Taxonomic status of the Gulf grunion (*Leuresthes sardina*) and its relationship to the California grunion (*L. tenuis*). *Transactions of the San Diego Society of Natural History* 18:75–84.
- Molina-Freaner, F. and T. R. Van Devender (eds). 2010. *Diversidad Biológica del Estado de Sonora*. Universidad Nacional Autónoma de México (UNAM), Mexico City.
- Moeller, D. A. 2006. Geographic Structure of Pollinator Communities, Reproductive Assurance, and the Evolution of Self-Pollination. *Ecology* 87(6): 1510-1522.
- Molina-Freaner, F., M. Cervantes-Salas, D. Morales-Romero, S. Buchmann and T. H. Fleming. 2003. Does the Pollinator Abundance Hypothesis Explain Geographic Variation in the Breeding System of *Pachycereus pringlei*? *International Journal of Plant Sciences* 164(3): 383-393.
- Møller, P. R., W. Schwarzhans, and J. G. Nielsen. 2005. Review of the American Dinemachthyini (Teleostei: Bythitidae). Part II. Ogilbia. *Aqua (Journal of Ichthyology and Aquatic Biology)* 10 (4):133–205.
- Molles, M. C. 1978. Fish species diversity on model and natural reef patches: experimental insular biogeography. *Ecological Monographs* 48:289–305.
- Mondragon, J. and J. Mondragon. 2003. *Seaweeds of the Pacific Coast. Common Marine Algae from Alaska to Baja California*. Sea Challengers, Monterey, California.
- Monsalvo-Spencer, P., C. A. Salinas-Zavala and T. Reynoso-Granados. 2013. Chorionic membrane morphology of the eggs of *Octopus bimaculoides* and *Octopus hubbsorum* (Cephalopoda: Octopodidae). *Hidrobiológica* 23(1): 124-129.
- Montaño, Y. and N. Carbajal. 2008. Numerical experiments on the long-term morphodynamics of the Colorado River Delta. *Ocean Dynamics* 58(1): 19-29.
- Montanucci, R. R. 2004. Geographic variation in *Phrynosoma coronatum*: further evidence for a peninsular archipelago. *Herpetologica* 60(1): 117-139.
- Monteforte, M., and M. Cariño. *Del saqueo a la conservación. Historia ambiental contemporánea de Baja California Sur, 1940–2003*. Instituto Nacional de Ecología, México, D.F. 780 pp.
- Montes, C., G. Bayona, A. Cardona, D. M. Buchs, C. A. Silva, S. Morón, N. Hoyos, D. A. Ramírez, C. A. Jaramillo, and V. Valencia. 2012. Arc-continent collision and orocline formation: closing of the Central American seaway. *Journal of Geophysical Research* 117: 4105-4130.
- Montes, C., A. Cardona, C. Jaramillo, A. Pardo, J. C. Silva, V. Valencia, C. Ayala, L. C. Pérez-Angel, L. A. Rodríguez-Parra, V. Ramirez and H. Niño. 2015. Middle Miocene closure of the Central American Seaway. *Science* 348: 226-228.
- Montes-Hugo, M. A. and S. Álvarez-Borrego. 2007. Impact of two decades of shellfish farming on phytoplankton biomass, abundance and productivity of a coastal lagoon influenced by upwelling. *Hidrobiológica* 17(3): 213-224.

- Montgomery, W. L. 1975. Interspecific associations of sea basses (Serranidae) in the Gulf of California. *Copeia* 1975 (4): 785–787.
- Montgomery, W. L. 1980. Comparative feeding ecology of two herbivorous damselfishes (Pomacentridae: Teleostei) from the Gulf of California. *Journal of Experimental Marine Biology and Ecology* 47: 9–24.
- Montgomery, W. L. 1981. Mixed-species schools and the significance of vertical territories of damselfishes. *Copeia* 1981: 477–481.
- Montgomery, W. L. 2002. Boyd W. Walker, 1917–2001 [obituary]. *Copeia* 2002 (4): 1179–1182.
- Montgomery, W. L., T. Gerrodette, and L. D. Marshall. 1980. Effects of grazing by the yellowtail surgeonfish, *Prionurus punctatus*, on algal communities in the Gulf of California, Mexico. *Bulletin of Marine Science* 30:477–481.
- Montoya, B. and G. Gates. 1975. Bighorn capture and transplant in Mexico. *Transactions of the Desert Bighorn Council* 19: 28-32.
- Moore, D. G. and E. C. Buffington. 1968. Transform faulting and growth of the Gulf of California since the late Pliocene. *Science* 161: 1238-1241.
- Mora, C. and D. R. Robertson. 2005. Causes of latitudinal gradients in species richness: a test with the endemic shorefishes of the tropical eastern Pacific. *Ecology* 86: 1771–1782.
- Mora, C. and D. R. Robertson. 2005. Factors shaping the range-size frequency distribution of the endemic fish fauna of the tropical eastern Pacific. *Journal of Biogeography* 32: 277–286.
- Mora, C., O. Aburto-Oropeza, A. Ayala Bocos, P. M. Ayott, S. Banks, A. G. Bauman, M. Beger, S. Bessudo, D. J. Booth, E. Brokovich, A. Brooks, P. Chabanet, et al. 2011. Human footprint on the linkage between diversity and function in reef fishes. *PLoS Biology* 9(4): e1000605.
- Mora, M. A. and D. W. Anderson. 1991. Seasonal and geographical variation of organochlorine residues in birds from northwest Mexico. *Archives of Environmental Contamination and Toxicology* 21: 541–548.
- Mora, M. A. and D. W. Anderson. 1995. Selenium, boron, and heavy metals in birds from the Mexicali Valley, Baja California, Mexico. *Bulletin of Environmental Contamination and Toxicology* 54: 198–206.
- Mora, M. A., D. W. Anderson, and M. E. Mount. 1987. Seasonal variation of body condition and organochlorines in wild ducks from California and Mexico. *Journal of Wildlife Management* 51: 132–141.
- Mora, M. A., J. García, M. Carpio-Obeso, and K. A. King. 2003. Contaminants without borders: a regional assessment of the Colorado River Delta ecosystem. Pp. 1125–1134 in D. J. Rapport, W. L. Lasley, D. E. Rolston, N. Ole Nielsen, C. O. Qualset, and A. B. Damania (eds.), *Managing for Healthy Ecosystems*. Lewis Publishers, Boca Raton.
- Mora-Alvarez, G. and P. W. McDowell. 2000. Miocene volcanism during late subduction and early rifting in the Sierra Santa Ursula of western Sonora, Mexico. *Geological Society of America, Special Paper No. 334*: 123-142.
- Morales-Abril, G. 1994. Reserva de la Biosfera alto Golfo de California y Delta del Río Colorado. *Ecologica* 3:26–27.
- Morales-Ávila, J. R., J. Gomez-Gutierrez, M. de C. Gómez del Prado-Rosas and C. J. Robinson. 2015. Larval trematodes *Paronatrema mantae* and *Copiatestes* sp. parasitize Gulf of California krill (*Nyctiphanes simplex*, *Nematosclis difficilis*). *Diseases of Aquatic Organisms* 116: 23-35.

- Morales-Azpeitia, R., J. López-Martínez, C. H. Rábago-Quiroz, M. O. Nevárez-Martínez and E. Herrera-Valdivia. 2013. Growth and mortality rates of *Pseudupeneus grandisquamis* and *Urobatis halleri* bycatch species in the shrimp fishery. *Hidrobiológica* 23(3): 275-282.
- Morales-Bojórquez, E., J. Lopez-Martinez, and S. Hernandez-Vazquez. 2001. Dynamic catch-effort model for brown shrimp *Farfantepenaeus californiensis* (Holmes) from the Gulf of California, Mexico. *Ciencias Marinas* 27(1): 105-124.
- Morales-Bojórquez, E., J. López-Martínez and L. F. J. Beléndez-Moreno. 2013. Estimating biomass, recruitment, and harvest rate for the Pacific yellowleg shrimp *Farfantepenaeus californiensis* from a size-based model. *Journal of Shellfish Research* 32(3): 815-823.
- Morales de Anda, D. E. Poliquetos (Annelida: Polychaeta) de Jalisco y Colima. Pp. 101-135 in, M. del C. Franco-Gordo (ed.), *Invernario de biodiversidad de la costa sur de Jalisco y Colima*. Vol. 1. Universidad de Guadalajara, Mexico.
- Morales-Zárate, M. V., S. E. Lluch-Cota, E. Serviere-Zaragoza and S. Guzmán-Próo. 2011. Modeling an exploited rocky coastal ecosystem: Bahía Tortugas, Mexico. *Ecological Modelling* 222: 1185-1191.
- Moran, R. 1996. *The Flora of Guadalupe Island, Mexico*. Memoirs, California Academy of Science 19, San Francisco.
- Morehouse, B. J., D. B. Ferguson, G. Owen, A. Browning-Aiken, P. Wong-Gonzalez, N. Pineda and R. Varady. 2007. Science and socio-ecological resilience: examples from the Arizona-Sonora border. *Environ. Sci. & Policy*, doi:10.1016/j.envsci.2007.07.007.
- Morel A. and J.-F. Berthon. 1989. Surface pigments, algal biomass profiles, and potential production of the euphotic layer: Relationships reinvestigated in view of remote-sensing applications. *Limnol. Oceanogr.* 34: 1545-1562.
- Moreno-Báez, M, R. Cudney-Bueno, B. J. Orr, Barron, W. Shaw, T. Pfister, J. Torre-Cosio and R. Loaiza. 2012. Integrating the spatial and temporal dimensions of fishing activities for management in the northern Gulf of California, Mexico. *Ocean & Coastal Management* 55: 111e127.
- Moreno-Báez, M, B. J. Orr, R. Cudney-Bueno and W. W. Shaw. 2010. Using fishers' local knowledge to aid management at regional scales: Spatial distribution of small-scale fisheries in the northern Gulf of California, Mexico. *Bulletin of Marine Science* 86: 339-353.
- Moreno-Dávila, B. 2013. Ascidian biodiversity of Tropical Eastern Pacific. Pp. 181-194 in, R. Riosmena-Rodriguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Moreno, B. M., B. J. Orr, R. Cudney-Bueno and W. Shaw. 2010. Using fishers' local knowledge to aid management at regional scales: spatial distribution of small-scale fisheries in the northern Gulf of California, México. *Bulletin of Marine Science* 86: 339-353.
- Moreno-Sánchez, X. G., D. S. Palacios-Salgado, L. A. Abitia-Cárdenas, J. T. Nieto-Navarro and A. F. Navia. 2015. Diet of the yellowfin snook, *Centropomus robalito* (Actinopterygii: Perciformes: Centropomidae), in the southwestern Gulf of California. *ACTA Ichthyologica et Piscatoria* 45(1): 21-29.
- Morison, S. E. 1971. *The European Discovery of America: the Northern Voyages, A.D. 500-1600*. Oxford University Press, New York, NY.
- Morison, S. E. 1974. *The European Discovery of America: the Southern Voyages, A.D. 1492-1616*. Oxford University Press, New York, NY.

- Morrison, J. I., S. L. Postel and P. H. Gleick. 1996. The Sustainable Use of Water in the Lower Colorado River Basin. Pacific Institute for Studies in Development, Environment, and Security. 226pp.
- Mozaria-Luna, H., C. H. Ainsworth, I. C. Kaplan, P. S. Levin and E. A. Fulton. 2012. Exploring trade-offs between fisheries and conservation of the vaquita porpoise (*Phocoena sinus*) using an Atlantis ecosystem model. *PloS ONE* 7: e42917.
- Mozaria-Luna, H., C. H. Ainsworth, I. C. Kaplan, P. S. Levin and E. A. Fulton. 2013. Indirect effects of conservation policies on the coupled human-natural ecosystem of the Upper Gulf of California. *PloS ONE* 8: e64085.
- Morzaria-Luna, H. N., A. Castillo-López, G. D. Danemann, P. Turk-Boyer. 2013. Conservation strategies for coastal wetlands in the Gulf of California, Mexico. *Wetlands Ecology and Management*, doi: 10.1007/s11273-013-9328-0.
- Morzaria-Luna, H. N., P. Turk-Boyer and M. Moreno-Baez. 2013. Social indicators of vulnerability for fishing communities in the northern Gulf of California, Mexico: implications for climate change. *Marine Policy*, doi: 10.1016/j.marpol.2013.10.013
- Morzaria-Luna, H. N., P. Turk-Boyer, A. Rosemartin and V. F. Camacho-Ibar. 2014. Vulnerability to climate change of hypersaline salt marshes in the northern Gulf of California. *Ocean & Coastal Management*, doi: 10.1016/j.ocecoaman.2014.03.004.
- Moser Marlett, C.M. 2014. *Shells on a Desert Shore. Mollusks in the Seri World*. University of Arizona Press, Tucson, AZ.
- Moser, E. W. 1963. Seri bands. *The Kiva* 28:14–27.
- Moser, E. W. 1973. Seri baskets. *The Kiva* 38:105-140.
- Moser, E. W. and R. S. White. 1968. Seri clay figurines. *The Kiva* 33: 133-154.
- Moser, H. G., E. H. Ahlstorm, D. Kramer, and E. G. Stevens. 1974. Distribution and abundance of fish eggs and larvae in the Gulf of California. *CalCOFI Report* 17:112–128.
- Moser, M. B. 1964. Seri blue. *The Kiva* 30: 27-32.
- Moser, M. R. 1970. Seri: from conception through infancy. *Kiva* 35: 201-210.
- Moser, M. B. and S. A. Marlett (compilers). 2005. *Comcáac quih yaza quih hant ihlip hac; Diccionario seri-español-inglés*. Editorial UniSon, Hermosillo & Plaza y Valdés Editores, México, D.F.
- Moyer, J. T., R. E. Thresher, and P. L. Colin. 1983. Courtship, spawning and inferred social organization of American angelfishes (Genera *Pomacanthus*, *Holacanthus* and *Centropyge*; Pomacanthidae). *Environmental Biology of Fishes* 9:25–39.
- Muciño-Márquez, R. E., I. Garate-Lizárraga and D. J. Lopez-Cortes. 2015. Seasonal Variation of the genus *Prorocentrum* (Dinophyceae) in two tuna farms in Bahía de La Paz, México. *Acta Biológica Colombiana* 20(1): 195-206.
- Mueller, G. A., and P. C. Marsh. 2002. Lost, a Desert River and Its Native Fishes: A Historical Perspective of the Lower Colorado River. U.S. Department of the Interior, U.S. Geological Survey, Biological Resources Division, Information and Technology Report USGS/BRD/ITR–2002–0010:1–69.
- Mueller, K. J. and T. K. Rockwell. 1995. Late quaternary activity of the Laguna Salada Fault in northern Baja California, Mexico. *Bulletin Geological Society of America* 107: 8-18.
- Muffler, L. J. P. and B. R. Doe. 1968. Composition and mean age of detritus of the Colorado River delta in the Salton Trough, southeastern California. *Journal of Sedimentary Research* 38(2): 384-399.

- Muhlia-Melo, A., P. Klimley, R. González-Armas, S. Jorgensen, A. Trasviña-Castro, J. Rodríguez-Romero, and A. Amador-Buenrostro. 2003. Pelagic fish assemblages at the Espiritu Santo Seamount in the Gulf of California during El Niño 1997–1998 and non El Niño conditions. *Geofísica Internacional* 42 (3):473–481.
- Mulcahy, D. G. and J. R. Macey. 2009. Vicariance and dispersal form a ring distribution in nightsnakes around the Gulf of California. *Molecular Phylogenetics and Evolution* 53: 537-546.
- Mueller, K. J. and T. K. Rockwell. 1995. Late quaternary activity of the Laguna Salada fault in northern Baja California, Mexico. *Geological Society of America, Bulletin* 107(1): 8-18.
- Munguía-Vega, A., G. Soria, T. Pfister and R. Cudney-Bueno. 2010. Isolation and characterization of microsatellite loci in the rock scallop (*Spondylus calcifer*) (Bivalvia: Spondylidae) from the Northern Gulf California, México. *Conservation Genetics Resources* 10.1007/s12686-009-9141-5.
- Munguía-Vega, A., J. Torre, A. Castillo-Lopez, T. Pfister and R. Cudney-Bueno. 2010. Microsatellite loci for the blue swimming crab (*Callinectes bellicosus*) (Crustacea: Portunidae) from the Gulf of California, Mexico. *Conservation Genetics Resources* 2: 135-137.
- Munguía-Vega, A., A. Jackson, S. G. Marinone, B. Erisman, M. Moreno-Báez, A. Giron, T. Pfister, O. Aburto-Oropeza and J. Torre. 2014. Asymmetric connectivity of spawning aggregation of a commercially important marine fish using a multidisciplinary approach. *PeerJ*:e511.
- Munguía-Vega, A., I. Leyva-Valencia, D. Lluch-Cota and P. Cruz-Hernández. 2015. Genetic structure of Cortes geoduck clam *Panopea globosa* Dall 1898 from the Mexican Northwest. *Journal of Shellfish Research* 34: 153-161.
- Munk, W. H. 1941. Internal waves in the Gulf of California. *Sears Foudnaiton Journal of Marine Reseach*, pp. 81-91.
- Munro Palacio, G. 1994. Historia de la región de Puerto Peñasco. *CEDO News (Puerto Peñasco, Sonora)* 6:20–25.
- Murawski, D. A., T. H. Fleming, K. Ritland and J. Hamrick. 1994. Mating system of *Pachycereus pringlei*: an autotetraploid cactus. *Heredity* 72(1): 86-94.
- Murphy, R. W. 1975. Two blind snakes (Serpentes: Leptotyphlopidae) from Baja California, Mexico with a contribution to the biogeography of peninsular and insular herpetofauna. *Proceedings of the California Academy of Sciences*, 4th Ser., 40(5): 93-107.
- Murphy, R. W. 1983. Paleobiogeography and genetic differentiation of the Baja California herpetofauna. *Occasional Papers of the California Academy of Sciences* 137: 1-48.
- Murphy, R. W. and G. Aguirre-León. 2002. The nonavian reptiles origins and evolution. Pp. 181–220 in T. J. Case, M. L., Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*, Oxford University Press, New York.
- Murphy, R. W. and C. B. Crabtree. 1985. Genetic relationships of the Santa Catalina Island rattlesnake, *Crotalus catalinensis* (Serpentes: Viperidae). *Acta Zoologica Mexicana (Nueva Serie)* 9: 1-16.
- Murphy, R. W. and J. R. Ottley. 1984. Distribution of amphibians and reptiles on islands in the Gulf of California. *Annals of Carnegie Museum* 53: 207-230.
- Musick, J. A., M. M. Harbin, S. A. Berkeley, G. H. Burgess, A. M. Eklund, L. Findley, R. G. Gilmore, J. T. Golden, D. S. Ha, G. R. Huntsman, J. C. McGovern, S. J. Parker, S. G. Poss, E. Sala, T. W. Schmidt, G. R. Sedberry, H. Weeks, and S. G. Wright. 2000. Marine,

- estuarine, and diadromous fish stocks at risk of extinction in North America (exclusive of Pacific salmonids). *Fisheries* 25 (11):6–30.
- Musick, J. A., and C. J. Limpus. 1997. Habitat utilization and migration in juvenile sea turtles. Pp. 137–163 in P. L. Lutz and J. A. Musick (eds.), *The Biology of Sea Turtles*. CRC Press, Boca Raton, LA.
- Myers, R. A., J. K. Baum, T. D. Shepherd, S. P. Powers and C. H. Peterson. 2007. Cascading effects of the loss of apex predatory sharks from a coastal ocean. *Science* 315: 1846-1850.
- Nabhan, G. P. 2000. Cultural dispersal of plants and reptiles to the Midriff Islands of the Sea of Cortés: integrating indigenous human dispersal agents into island biogeography. *Journal of the Southwest* 42: 545-558.
- Nabhan, G. P. 2003. *Singing the Turtles to Sea*. University of California Press, Berkeley, CA.
- Nagler, P., K. Gillon, J. Pitt, B. Snapeb and E. Glenn. 2000. Application of the US Endangered Species Act across international borders: the case of the Colorado River Delta, Mexico. *Environmental Science and Policy* 3: 67-72.
- Nagler, P. L., E. P. Glenn, et al. 2001. Assessment of spectral vegetation indices for riparian vegetation in the Colorado River delta, Mexico. *Journal of Arid Environments* 49(1): 91-110.
- Nagler, P. L., E. P. Glenn and O. Hinojosa-Huerta. 2009. Synthesis of ground and remote sensing data for monitoring ecosystem functions in the Colorado River Delta, Mexico. *Remote Sens. Environ.* 113: 1473-1485.
- Nagler, P. L., E. P. Glenn, O. Hinojosa-Huerta, F. Zamorra and K. Howard. 2007. Riparian vegetation dynamics and evapotranspiration in the riparian corridor in the delta of the Colorado River, Mexico. *J. Environ. Manage.* 88: 864-874.
- Nagler, P. L., O. Hinojosa-Huerta, E. P. Glenn, J. García-Hernández, R. Romo, C. Curtis, A. R. Huete and S. G. Nelson. 2005. Regeneration of native trees in the presence of invasive saltcedar in the Colorado River Delta, Mexico. *Conservation Biology* 19(6): 1842-1852.
- Nagy, E. A. 2000. Paleomagnetism and extensional deformation at the western margin of the Gulf Extensional Province, Puertecitos Volcanic Province, Baja California, Mexico. *Geological Society of America Bulletin* 112 (6):857–870.
- Nakashima, E. 1916. Notes on the totoaba (*Cynoscion macdonaldi* Gilbert). *Copeia* 37:85–86.
- Narchi, N. E., L. E. Aguilar-Rosas, J. J. Sánchez-Escalante and D. O. Waumann-Rojas. 2015. An ethnomedicinal study of the Seri People; a group of hunter-gatherers and fishers native to the Sonoran Desert. *Journal of Ethnobiology and Ethnomedicine* 11: 62-80.
- Narchi, N. E., A. Búrquez, S. Trainer and R. F. Rentería-Valencia. 2015. Social constructs, identity and the ecological consequences of carne asada. *J. Southwest* 57: 305-336.
- Narchi, N. E., C. Moser Marlett and H. Bertsch. 2015. Corals and coralline organisms in Seri culture: Traditional and modern uses. Pp. 87-102 (Ch. 6) in, N. E. Narchi and L. L. Price (eds.), *Ethnobiology of Corals and Coral Reefs*. *Ethnobiology*, DOI 10.1007/978-3-319-23763-6
- Nason, J. D., J. L. Hamrick and T. H. Fleming. 2002. Historical vicariance and postglacial colonization effects on the evolution of genetic structure in *Lophocereus*, a Sonoran Desert columnar cactus. *Evolution* 56: 2214-2226.
- Nations, J. D. and D. Gauna. 1998. Stratigraphic, sedimentological, and paleobotanical investigations of terraced gravels, U.S. Army Yuma Proving Ground. Report to Legacy Resource Management Program, Department of Defense.

- Nava, H. and J. L. Carballo. 2008. Chemical and mechanical bioerosion of boring sponges from Mexican Pacific coral reefs. *Journal of experimental Biology* 211: 2827-2831.
- Nava, H. and J. L. Carballo. 2013. Environmental factors shape boring sponge assemblages at coral reefs from the Mexican Pacific coast. *Marine Ecology: an Evolutionary Perspective* 34: 269–279.
- Nava, H. and J. L. Carballo. 2015. Assessment of the effectiveness of natural coral fragmentation as a dispersal mechanism for coral reef boring sponges. *Marine Ecology and Evolutionary Perspectives* (in press).
- Nava, J. M. and L. T. Findley. 1994. Impact of the shrimp fishery on faunal diversity and stability in the upper Gulf of California, with special emphasis on the vaquita and totoaba. Project final report to Conservation International-Mexico, Gulf of California Program, Guaymas, Sonora. 60 pp.
- Nava-Romo, J. M. 1994. Impactos a corto y largo plazo en la diversidad y otras características ecológicas de la comunidad béntico-demersal capturada por la pesquería de camarón en el norte del alto Golfo de California, México. Master's thesis, Instituto Tecnológico y de Estudios Superiores de Monterrey-Campus Guaymas, Sonora, México. 84 pp.
- Navarro S. C. 2003. *Crocodylus acutus* in Sonora, Mexico. *Crocodile Specialist Group Newsletter, IUCN /The World Conservation Union-Species Survival Commission* 22 (1):21.
- Navarro S. C. 2003. Abundance, habitat use and conservation of the American crocodile in Sinaloa. *Crocodile Specialist Group Newsletter, IUCN/The World Conservation Union-Species Survival Commission* 22 (2):22–23.
- Navarro-Olache, L. F., M. F. Lavín, L. G. Alvarez-Sánchez, and A. Zirino. 2004. Internal structure of SST features in the central Gulf of California. *Deep-Sea Research II*, 51:673–687.
- Neat, F. C. 2001. Male parasitic spawning in two species of triplefin blenny (Tripterygiidae): contrasts in demography, behaviour and gonadal characteristics. *Environmental Biology of Fishes* 61:57–64.
- Neigel, J. E. and J. C. Avise. 1993. Applications of a random walk-model to geographic distributions of animal mitochondrial DNA variation. *Genetics* 112: 613-627.
- Nelson, C. S. 1988. An introductory perspective on non-tropical shelf carbonates. *Sedimentary Geology* 60:3–12.
- Nelson, E. W. 1899. Natural history of the Tres Marias Islands, Mexico. *Birds of the Tres Marias Islands. North American Fauna* 14:21–62.
- Nelson, R. S. 1991. Hohokam marine shell exchange and artifacts. *Archaeological Series* 179, Arizona State Museum, Tucson, AZ.
- Nelson, S. M., E. J. Fielding, F. Zamora-Arroyo and K. Flessa. 2013. Delta dynamics: effects of a major earthquake, tides, and river flows on Ciénega de Santa Clara and the Colorado River Delta, Mexico. *Ecological Engineering* 59: 144-156.
- Nelson, S. M., F. Zamora-Arroyo, J. Ramirez-Hernández and E. Santiago. 2013a. Geomorphology of a recurring tidal sandbar in the estuary of the Colorado, Mexico: Implications for restoration. *Ecological Engineering* 59:121-133.
- Ness, G. E. 1991. The search for Calafia's Island. Pp. 1-23 in J. P. Dauphin and B. R. T. Simoneit (eds.), *The Gulf and Peninsular Province of the Californias*. American Association of Petroleum Geologists Memoir 47, 834 p.

- Neuhaus, J. R. 1989. Volcanic and nonmarine stratigraphy of southwest isla Tiburón, Gulf of California, Mexico. Master's thesis, San Diego State University, CA. 170 pp.
- Nevárez-Martínez, M. O., E. A. Chávez, M. A. Cisneros-Mata and D. Lluch-Belda. 1999. Modeling of the Pacific sardine *Sardinops caeruleus* fishery of the Gulf of California, Mexico. *Fisheries Research* 41(3): 273-283.
- Nevárez-Martínez, M. O., A. Hernández-Herrera, E. Morales-Bojórquez, A. Balmori-Ramírez, M. A. Cisneros-Mata, and R. Morales-Azpeitia. 2000. Biomass and distribution of jumbo squid (*Dosidicus gigas* d'Origny, 1835) in the Gulf of California, Mexico. *Fisheries Research* 49:129-140.
- Nevárez-Martínez, M. O., E. Morales-Bojórquez, C. Cervantes-Valle, J. P. Santos-Molina and J. López-Martínez. 2010. Population dynamics of the jumbo squid (*Dosidicus gigas*) in the 2002-2008 fishing seasons off Guaymas, Mexico. *Fisheries Research* 106: 132-140.
- Nevárez-Martínez, M. O., G. I. Rivera-Parra, E. Morales-Bojórquez, J. López-Martínez, D. B. Lluch-Cota, E. Miranda-Mier and C. Cervantes-Valle. 2002. The jumbo squid (*Dosidicus gigas*) fishery of the Gulf of California and its relation to environmental variability. *Investigaciones marinas* 30: 193-194.
- Nichols, W. J. 2003. Sinks, sewers, and speed bumps: the impact of marine development on sea turtles in Baja California, Mexico. Pp. 17-18 in J. A. Seminoff (comp.), *Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation*. NOAA Technical Memorandum NMFS-SEFSC-503.
- Nichols, W. J., H. Aridjis, A. Hernandez, B. Machovina, and J. Villavicencio. 2002. Black market sea turtle trade in the Californias. Unpublished Wildcoast Report. Davenport, California.
- Nichols, W. J., K. E. Bird, and S. Garcia. 2002. Community-based research and its application to sea turtle conservation in Bahía Magdalena, B.C.S, Mexico. *Marine Turtle Newsletter* 89:4-7.
- Nichols, W. J., L. Brooks, M. Lopez and J. A. Seminoff. 2001. Record of pelagic east Pacific green turtles associated with *Macrocystis* mats near Baja California Sur, Mexico. *Marine Turtle Newsletter* 93:10-11.
- Nichols, W. J., A. Resendiz, J. A. Seminoff, and B. Resendiz. 2000. Transpacific loggerhead turtle migration monitored with satellite telemetry. *Bulletin of Marine Science* 67:937-947.
- Nichols, W. J. and C. Safina. 2004. Case Study: Lunch with a turtle poacher. *Conservation in Practice* 5(4): 30-36.
- Nichols, W. J. and J. A. Seminoff. 1994. Sea Turtles in the Gulf of California: Where have they gone? *Noticias de Centro de Estudios de Desiertos y Océanos* 6:21-33.
- Nichols, W. J., J. A. Seminoff, A. Resendiz, P. Dutton and F. A. Abreu-Grobois. 1999. Using molecular genetics and biotelemetry to study life history and long distance movement: A tale of two turtles. Pp. 102-103 in F. A. Abreu-Grobois, R. Briseño-Dueñas, R. Márquez-Millan and L. Sarti-Martínez (comps.), *Proceedings of the Eighteenth Annual Symposium on Sea Turtle Biology and Conservation*, NOAA Technical Memorandum NMFS-SEFSC-436.
- Nicholson, C., C. C. Sorlie, T. Atwater, J. C. Crowell and B. Luyendyk. 1994. Microplate capture, rotation of the western Transverse Range, and initiation of the San Andreas transform as a low-angle fault system. *Geology* 22: 491-495.
- Nieto-García, E. 1998. Nutrientes en el norte del golfo de California durante condiciones estuarinas y antiestuarinas. Tesis de Maestría. Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), Mexico.

- Nieto-Navarro, J. T., M. Zetina-Rejón, F. Arreguín-Sánchez, D. S. Palacios-Salgado and F. Jordán. 2012. Changes in fish bycatch during the shrimp fishing season along the eastern coast of the mouth of the Gulf of California. *Journal of Applied Ichthyology* 29: 610-616.
- Nigmatullin, C. M., K. N. Nesis and A. I. Arkhipkin. 2001. A review of the biology of the jumbo squid *Dosidicus gigas* (Cephalopoda: Ommastrephidae). *Fisheries Research* 54: 9-19.
- Nolasco, M. 1967. Los Seris, Desierto y mar. *Anales* 18: 125-194.
- Norris, J. 1981. *Articulated coralline algae of the Gulf of California*. Smithsonian Press, Washington, D.C.
- Norris, J. 2010. Marine algae of the northern Gulf of California: Chlorophyta and Phaeophyceae. *Smithsonian Contributions to Botany*, No. 94: 1-276.
- Norris, J. N. and I. A. Abbott, I.A. 1972. Some new records of marine algae from the *R/V Proteus* cruise to British Columbia. *Syesis* 5: 87-94.
- Norris, J. N. and K. E. Bucher. 1976. New records of marine algae from the 1974 R/V Dolphin Cruise. *Botany* 34: 1-22.
- Norris, K. S. and W. N. McFarland. 1958. A new harbor porpoise of the genus *Phocoena* from the Gulf of California. *Journal of Mammalogy* 42:22-39.
- Norris, K. S., Villa R., B., Nichols, G., Wursig, B., and K. Miller. 1983. Lagoon entrance and other aggregations of gray whales, *Eschrichtius robustus*. Pp. 259-293 in R. Payne (ed.), *Behavior and Communication of Whales*. Westview Press, Boulder, CO.
- Norris, R. M. and R. W. Webb. 1990. *Geology of California*. 2nd ed. Wiley, New York.
- Norzagaray-López, C. O., L. E. Calderon-Aguilera, J. M. Hernández-Ayón, H. Reyes-Bonilla, J. P. Carricart-Ganivet, R. A. Cabral-Tena and E. F. Balart. 2014. Low calcification rates and calcium carbonate production in *Porites panamensis* at its northernmost geographic distribution. *Marine Ecology*, doi: 10.1111/maec.12227.
- Nourse, J. A., W. R. Premo, A. Iriondo and E. R. Stahl. 2005. Contrasting Proterozoic basement complexes near the truncated margin of Laurentia, northwestern Sonora-Arizona international border region. *Geological Society of America, Spec. Pap.* 393: 123-182.
- Novacek, M. J., I. Ferrusquía-Villafranca, J. J. Flynn, A. R. Wyss, and M. Norell. 1991. Wasatchian (early Eocene) mammals and other vertebrates from Baja California, Mexico: the Lomas Las Tetras de Cabra Formation. *Bulletin of the American Museum of Natural History* 208:1-88.
- Núñez-Vázquez, E. J., I. Gárate-Lizárraga, C. J. Band-Schmidt, A. Cordero-Tapia, D. J. López-Cortés, F. E. Hernández-Sandoval, A. Heredia-Tapia and J. J. Bustillos-Guzmán. 2011. Impacts of harmful algal blooms on wild and cultured animals in the Gulf of California. *Journal of Environmental Biology* 32: 413-423.
- Ochoa-Landín, L. J. Ruiz, T. Calmus, E. Pérez-Segura and E. Escandón. 2000. Sedimentary and stratigraphy of the upper Miocene El Boleo Formation, Santa Rosalía, Baja California, Mexico. *Revista Mexicana de Ciencias Geológicas* 17: 83-96.
- O'Connor, J. E. and C. G. Chase. 1989. Uplift of the Sierra San Pedro Mártir, Baja California, Mexico. *Tectonics* 8: 833-844.
- Odell, D. K. and K. M. McClune. 1999. False killer whale—*Pseudorca crassidens* (Owen, 1846). Pp. 213-243 in S. H. Ridway and R. Harrison (eds.), *Handbook of Marine Mammals, Vol. 6*. Academic Press, London. 486 pp.
- Okazaki, R. K. and I. S. Wehrmann. 2014. Preliminary survey of a nemertean crab egg predator, *Carcinonemertes*, on its host crab *Callinectes arcuatus* (Decapoda, Portunidae) from Golfo de Nicoya, Pacific Costa Rica. *ZooKeys* 457: 367-375.

- Olguin-Mena, M. 1990. Las tortugas marinas en la costa oriental de Baja California y costa Occidental de Baja California Sur, México. Master's thesis, Universidad Autonoma Baja California Sur, La Paz, México. 74 pp.
- Oliverio, M. 2003. The Mediterranean mollusks: the best known malacofauna of the world . . . so far. *Biogeographia* 24:195–208.
- Olson, H. C., 1990. Early and middle Miocene foraminiferal paleoenvironments, southeastern San Joaquin Basin, California. *Journal of Foraminiferal Research*, 20 (4):289–311.
- Omana, E. C. and S. M. Shuster. 2002. Life history characteristics of *Paradella dianae* (Crustacea: Isopoda) in the northern Gulf of California. *Journal of the Arizona-Nevada Academy of Science* 37.
- Omana, E., K. Johnson, S. Embry, J. Learned, S. Vuturo and S. M. Shuster. 2000. The effects of food availability on adult phenotype in *Paracerceis sculpta* Holmes (Crustacea: Isopoda). *Journal of the Arizona-Nevada Academy of Science* 35: 6-7.
- O'Neil, A. and D. O'Neil. 2001. *Loreto, Baja California: First Mission and Capital of Spanish California*. Tio Press, Studio City, CA.
- Orozco-Durán, A., L. W. Daesslé, V. F. Camacho-Ibar, E. Ortiz-Campos and J. A. C. Barth. 2015. Turnover and release of P-, N-, Si-nutrients in the Mexicali Valley (Mexico): interactions between the lower Colorado River and adjacent ground- and surface water systems. *Science of the Total Environment* 512-513: 185-193.
- Orr, R. T. 1972. *Marine Mammals of California*. University of California Press, Berkley, CA.
- Ortega M. J., E. Zubía, M. C. Sánchez, J. Salvá and J. L. Carballo. 2004. Structure and cytotoxicity of new metabolites from the sponge *Mycale cecilia*. *Tetrahedron* 60: 2517-2524
- Ortega Rubio, A. and A. Castellanos V. (eds.). 1994. La Isla Socorro, Reserva de la Biosfera Archipiélago de Revillagigedo, México. Centro de Investigaciones Biológicas del Noroeste, SC, La Paz, BCS, Mébxico. 359 pp.
- Ortega-Rubio, A., M. Lagunas-Vázquez and L. F. Beltrán-Morales (eds.). 2012. *Evaluación Biológica y Ecológica de la Reserva de la Biosfera Sierra La Laguna, Baja California Sur: Avances y Retos*. Centro de Investigaiones Biológicas del Noroeste (CIBNOR), La Paz, Baja California Sur, Mexico.
- Ortiz, M., M. E. Hendrickx and I. Winfield. 2016. A new species of *Mysidium* (Peracarida: Mysida: Mysidae) from the eastern tropical Pacific. *Journal of the Marine Biological Association of the Untited Kingdom*, doi:10.1017/S00253154160000102.
- Ortiz de Montellano, G. P. 1987. Impacto de la pesca de arrastre sobre la población juvenil de *Totoaba macdonaldi*. Reporte Técnico No. 7, Centro de Investigación y Desarrollo de Sonora (CIDESON) [now IMADES], Gobierno de Sonora, Hermosillo.
- Ortlieb, L. 1979. Quaternary shorelines around Baja California Peninsula, Mexico: neotectonic implications. *Geological Society of America, Abstracts with Programs* 11: 490.
- Ortlieb, L. 1991. Quaternary vertical movemens along the coasts of Baja California and Sonroa. Pp. 447-480 in, J. P. Dauphin and B. R. T. Simoneit (eds.), *The Gulf and Peninsular Province of the Californias*. American Association of Petroleum Geologists, Tulsa, OK.
- Oskin, M. and A. Martin-Barajas. 2003. Continental edge tectonics of Isla Tiburón, Sonora, México. *Geologic Transects across Cordilleran México, Guidebook for field trips of the 99th Annual Meeting of the Cordilleran Section of the Geological Society of America, México D.F. April 5-9, 2003. Publicación Especial 1. (pp. 53-70). México D.F.: Universidad Autónoma de México, Instituto de Geología.*

- Oskin, M. and J. Stock. 2003. Marine incursion synchronous with plate boundary localization in the Gulf of California. *Geology* 31 (1):23–26.
- Oskin, M. and J. Stock. 2003. Cenozoic volcanism and tectonics of the continental margins of the Upper Delfin Basin, northeast Baja California and western Sonora. *Geological Society America, Special Papers* 374:421–438.
- Oskin, M. and J. Stock. 2003. Pacific–North America plate motion and opening of the Upper Delfin basin, northern Gulf of California, México. *Geological Society of America Bulletin* 115(10): 1173.
- Oskin, M., J. Stock and A. Martín-Barajas. 2001. Rapid localization of Pacific–North America plate motion in the Gulf of California. *Geology* 29(5): 459.
- Pacheco, M., A. Martín-Barajas, W. Eldres, J. M. Espinosa-Cardena, J. Belenes and A. Segura. 2006. Stratigraphy and structure of the Altar basin of NW Sonora: implications for the history of the Colorado River delta and the Salton Trough. *Revista Mexicana de Ciencias Geológicas* 23 (1):1–22.
- Pacheco-Ruiz, I. and J. A. Zertuche-González. 1996a. Green algae (Chlorophyta) from Bahía de Los Angeles, Gulf of California, Mexico. *Botanica Marina* 39:431–433.
- Pacheco-Ruiz, I. and J. A. Zertuche-González. 1996b. The commercially valuable seaweeds of the Gulf of California. *Botanica Marina* 1:201–206.
- Pacheco-Ruiz, I. and J. A. Zertuche-González. 1996c. Brown algae (Phaeophyta) from Bahía de los Angeles, Gulf of California, Mexico. *Hydrobiologica* 326–327: 169–172.
- Pacheco-Ruiz, I. and J. A. Zertuche-González. 1999. Population structure and reproduction of the carrageenophyte *Chondracanthus pectinatus* in the Gulf of California. *Hydrobiologia* 398–399: 159–166.
- Pacheco-Ruiz, I. and J. A. Zertuche-González. 2002. Red algae (Rhodophyta) from Bahía de Los Angeles, Gulf of California, Mexico. *Botanica Marina* 45(5): 465–470.
- Pacheco-Ruiz, I., J. A. Zertuche-González, F. Arellano-Carbajal, A. Chee-Barragán, and F. Correa-Díaz. 1999. *Gracilariopsis lemaneiformis* beds along the west coast of the Gulf of California, Mexico. *Hydrobiologia* 398/399:509–514.
- Pacheco-Ruiz, I., J. A. Zertuche-González, A. Cabello-Pasini and B. H. Brinhuis. 1992. Growth response and seasonal biomass variation of *Gigartina pectinata* Dawson (Rhodophyta) in the Gulf of California. *Journal Experimental Marine Biology and Ecology* 157(2): 263–274.
- Pacheco-Ruiz, I., J. A. Zertuche-González, A. Chee-Barragan and E. Arroyo-Ortega. 2002. Biomass and potential commercial utilization of *Ulva lactuca* (Chlorophyta, Ulvaceae) beds along the northwest coast of the Gulf of California. *Phycologia* 41(2): 199–201.
- Pacheco-Ruiz, I., J. A. Zertuche-González, A. Chee-Barragán, and R. Blanco-Betancourt. 1998. Distribution and quantification of *Sargassum* beds along the west coast of the Gulf of California, Mexico. *Botanica Marina* 41:203–208.
- Pacheco-Ruiz, I., J. A. Zertuche-González, A. Chee-Barragan, and R. Blanco-Betancourt. 1998a. Distribution and quantification of *Sargassum* beds along the West Coast of the Gulf of California, Mexico. *Oceanographic Literature Review* 45, no. 9: 1630.
- Pacheco-Ruiz, I., J. A. Zertuche-González, F. Correa-Díaz, F. Arellano-Carbajal and A. Chee-Barragan. 1999. *Gracilariopsis lemaneiformis* beds along the west coast of the Gulf of California, Mexico. *Hydrobiologia*. 398–399: 509–514.
- Pacheco, M., A. Martín-Barajas, W. Elders, J. M. Espinosa-Cardena, J. Helenes and A. Segura. 2006. Stratigraphy and structure of the Altar Basin of NW Sonora: implications for the

- history of the Colorado River Delta and the Salton Trough. *Revista Mexicana de Ciencias Geológicas* 23(1): 1-22.
- Paden, C. A., M. R. Abbott and C. D. Winant. 1991. Tidal and atmospheric forcing of the upper ocean in the Gulf of California: 1. Sea surface temperature variability. *Journal Geophysical Research: Oceans* 96: 18337-18359.
- Padilla, C. J., J. L. Carballo and M. L. Camacho. 2010. A qualitative assessment of sponge-feeding organisms from the Mexican Pacific coast. *The Open Marine Biological Journal* 4: 198-202.
- Páez-Osuna, F. 2001. The environmental impact of shrimp aquaculture: causes, effects and mitigating alternatives. *Environmental Management* 28:131140
- Páez-Osuna, F., A. Garcia, F. Flores-Verdugo, L. P. Lyle-Fritch, R. Alonso-Rodríguez, A. Roque, and A. C. Ruiz-Fernández. 2003. Shrimp aquaculture development and the environment in the Gulf of California ecoregion. *Marine Pollution Bulletin* 46:806–816.
- Páez-Osuna, F., S.R. Guerrero-Galván and A.C. Ruiz-Fernández. 1998. The environmental impact of shrimp aquaculture and the coastal pollution in Mexico. *Marine Pollution Bulletin* 36:6575.
- Páez-Osuna, F., S.R. Guerrero-Galván and A.C. Ruiz-Fernández. 1999. Discharge of nutrients from shrimp farming to coastal waters of the Gulf of California. *Marine Pollution Bulletin* 38:585592.
- Páez-Osuna, F., S. R. Guerrero-Galván, A. C. Ruiz-Fernández, and R. Espinoza-Angulo. 1997. Fluxes and mass balances of nutrients in a semi-intensive shrimp farm in north-western Mexico. *Marine Pollution Bulletin* 34 (5):290–297.
- Páez-Osuna, F. and A. C. Ruiz-Fernández. 2005. Environmental load of nitrogen and phosphorus from extensive, semi-intensive and intensive shrimp farms in the Gulf of California ecoregion. *Bulletin of Environmental Contamination and Toxicology* 74: 681-688.
- Páez-Osuna, F., A.C. Ruiz-Fernández, A.V. Botello, G. Ponce-Vélez, J.I. Osuna-López, M.G. Frías-Espericueta, G. López-López and H. Zazueta-Padilla. 2002. Concentrations of selected trace metals (Cu, Pb, Zn) organochlorines (PCBs, HCB) and total PAHs in mangrove oysters from the Pacific Coast of Mexico: an overview. *Marine Pollution Bulletin* 44:12961313.
- Palacios-Hernández, E., E. Beier, M. F. Lavín, and P. Ripa. 2002. The effect of the seasonal variation of stratification on the circulation of the northern Gulf of California. *Journal of Physical Oceanography* 32:705–728.
- Palacios-Salgado, D. S., L. A. Burnes-Romo, J. J. Tavera and A. Ramírez-Valdez. 2012. Endemic fishes of the Cortez Biogeographic Province (Eastern Pacific Ocean). *Acta Ichthyologica et Piscatoria* 42(3): 153-164.
- Palacios-Salgado, D. S., V. H. Cruz-Escalona, M. J. Zetina-Rejón, F. Arreguín-Sánchez and J. T. Nieto-Navarro. 2014. Biogeographic and latitudinal patterns of demersal fishes in the Mexican Pacific. *J. Mar. Biol. Assoc. United Kingdom*, doi: 10.1017/S0025315414001593
- Palacios-Salgado, D. S., X. G. Moreno-Sanchez, L. A. Abitia-Cardenas, F. J. Gutierrez-Sanchez and J. Rodriguez-Romero. 2012. Ichthyodiversity of San Jose, San Francisquito, and El Pardito Islands in the southwestern Gulf of California, Mexico. *Acta Ichthyologica et Piscatoria* 42: 177-191.

- Palacios-Salgado, D. S., A. Ramirez-Valdez and G. Ruiz-Campos. 2011. First record and establishment of an exotic molly (*Poecilia butleri*) in the Baja California Peninsula, Mexico. *California Fish and Game* 97(2): 98-103.
- Palacios, E. and E. Mellink. 1992. Breeding bird records from Montague Island, northern Gulf of California. *Western Birds* 23:41–44.
- Palacios, E. and E. Mellink. 1996. Status of the least tern in the Gulf of California. *Journal of Field Ornithology* 67:48–58.
- Palacios, E. and E. Mellink. 2000. Nesting water birds on Islas San Martín and Todos Santos, Baja California. *Western Birds* 31:184–189.
- Palacios, E., E. Beier, M. F. Lavín, and P. Ripa. 2002. The effect of the seasonal variation of stratification on the circulation of the northern Gulf of California. *Journal of Physical Oceanography* 32:705–728.
- Paladino, F. V., M. P. O'Connor, and J. R. Spotila. 1990. Metabolism of leatherback turtles: gigantothermy and thermoregulation of dinosaurs. *Nature* 344:858–860.
- Pansisni, M. and C. Longo. 2003. A review of the Mediterranean Sea sponge biogeography with, in appendix, a list of the demosponges hitherto recorded from this sea. *Biogeographia* 24:59–90.
- Pantoja, C. R., D. V. Lightner, et al. Prevalence and geographic distribution of infectious hypodermal and hematopoietic necrosis virus (IHHNV) in wild blue shrimp *Penaeus stylirostris* from the Gulf of California, Mexico. *Journal of Aquatic Animal Health* 11(1): 23-34.
- Papiol, V. and M. E. Hendrickx. 2015. Community structure of deep-water decapod crustaceans below the oxygen minimum zone in the south-east Gulf of California and analysis of environmental drivers. *Marine and Freshwater Research*, doi.org/10.1071/MF15040.
- Papiol, V. and M. E. Hendrickx. 2016. Ecology of *Benthesicymus tanneri* Faxon, 1893 (Dendrobranchiata: Benthesicymidae) from the Mexican Pacific slope. *J. Crustacean Biology*, doi: 10.1163/1937240X-00002393.
- Páramo, P., W. S. Holbrook, H. E. Brown, D. Lizarralde, J. Fletcher, P. Umhoefer, G. Kent, A. Harding, A. Gonzalez and G. Axen. 2008. Seismic structure of the southern Gulf of California from Los Cabos block to the East Pacific Rise. *J. Geophys. Res.* 113; B03307, doi:10.1029/2007JB005113.
- Paredes, G. A., B. Erisman, I. Mascareñas-Osorio, J. Cota-Nieto, K. Gherard and O. Aburto-Oropeza. 2010. La curvina golfina: biología, pesquería y su gente. *CONABIO, Biodiversitas* 91: 1-5.
- Parker, R. H. 1964. Zoogeography and ecology of some macroinvertebrates, particularly mollusks, in the Gulf of California and the continental slope off Mexico. *Videnskabelige Meddelelser fra den naturhistoriske Forening i Kjobenhavn* 126:1–178.
- Parrish, R. H., C. S. Nelson and A. Bakun. 1981. Transport mechanisms and reproductive success of fishes in the California current. *Biol. Oceanogr.* 1: 175-203.
- Parsons, J. J. 1962. *The Green Turtle and Man*. University of Florida Press, Gainesville. 126 pp.
- Patten, D. R. and L. T. Findley. 1970. Observations and records of *Myotis (Pisonyx) vivesi* Menegeaux (Chiroptera: Vespertilionidae). *Contributions in Science, Los Angeles County Museum Natural History* 183:1–9.
- Paul-Chavez, L., and R. Riosmena-Rodríguez. 2000. Floristic and biogeographical trends in seaweed assemblages from a subtropical insular island complex in the Gulf of California. *Pacific Science* 54:137–147.

- Payne, J. L., M. E. Johnson and J. Ledesma-Vázquez. 2004. Lower Cretaceous Alistos Formation at Punta San Isidro: Coastal sedimentation and volcanism. *Ciencias Marinas* 30: 365-380.
- Payne, J. M., F. A. Reid and E. C. Gonzalez. 1992. Feasibility study fo the possible enhancement of the Colorado Delta wetlands, Baja California Norte, Mexico. Ducks Unlimited/Ducks Unlimited Mexico, Rancho Cordova, CA.
- Payri, C. E. and G. Cabioch. 2004. The systematics and significance of coralline red algae in the rhodolith sequence of the Amédée 4 drill core (Southwest New Caledonia). *Palaeo* 204:187–204.
- Paz-García, D. A., A. Aldana-Moreno, R. A. Cabral-Tena, F. J. García-de-León, M. E. Hellberg and E. F. Balart. 2015. Morphological variation and different branch modularity across contrasting flow conditions in dominant *Pocillopora* reef-building corals. *Oecologia*, doi 10.1007/s00442-014-3199-9.
- Pearlstein, S. L., R. S. Felger, E. P Glenn, J. Harrington, K. A. Al-Ghanem and S. G. Nelson. 2012. Nipa (*Distichlis pameri*): A perennial grain crop for saltwater irrigation. *Journal of Arid Environments* 82: 60-70.
- Pearson, G. and C. W. Conneer. 2000. The Quitobaquito Desert Pupfish, an endangered species within Organ Pipe Cactus National Monument: Historical significance and management challenges. *Natural Resources Journal* 40: 379-410.
- Pearthree, P. A., C. M. Menzes and L. Meyer. 1983. Distribution, recurrence, and possible tectonic implications of late Quaternary faulting in Arizona. Arizona Geological Survey, Open-File Report 83-20, 46 pp.
- Peckham, S. H. and W. J. Nichols. 2003. Why did the turtle cross the ocean? Pelagic red crabs and loggerhead turtles along the Baja California coast. Pp. 47–48 in J. A. Seminoff (comp.), *Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation*. NOAA Technical Memorandum NMFS-SEFSC-503.
- Pederson, J. L. 2008. The mystery of the pre-Grand Canyon Colorado River—Results from the Muddy Creek Formations. *GSA Today* 18(3), doi: 10.1130/GSAT01803A.1.
- Pederson, J. L., R. D. Mackley and J. L. Eddleman. 2002. Colorado Plateau uplift and erosion: amounts and causes evaluated with GIS. *GSA Toay* 12: 4-10.
- Pedrin-Osuna, O., J. H. Córdova-Murueta and M. Delgado-Marchena. 2001. Crecimiento y mortalidad de la totoaba, *Totoaba macdonadi*, del alto Golfo de California, INP, SAGARPA, México. *Ciencia Pesquera* 14: 131-128.
- Peguero-Icaza, M., L. Sánchez-Velasco, M. F. Lavín and S. G. Marinone. 2008. Larval fish assemblages, environment and circular in a semienclosed sea (Gulf of California, Mexico). *Estuarine, Coastal and Shelf Science* 79(2): 277-288.
- Peguero-Icaza, M., L. Sánchez-Velasco, M. F. Lavín, S. G. Marinone and E. Beier. 2011. Seasonal changes in connectivity routes among larval fish assemblages in a semi-enclosed sea (Gulf of California). *Journal of Plankton Research* 33: 517-533.
- Pegau, W. S., E. Boss, and A. Martínez. 2002. Ocean color observations of eddies during the summer in the Gulf of California. *Geophysical Research Letters* 29 (9):10.1029/2001GL014076.
- Peirce, H. W. 1984. The Mogollon escarpment. Arizona Bureau of Geology and Mineral Technology, *Fieldnotes* 14: 8-11.

- Peltier, W. R. 2002. On eustatic sea level history: last glacial maximum to Holocene. *Quaternary Science Reviews* 21: 377-396.
- Peresbarbosa, E., and E. Mellink. 1994. More records of breeding birds from Montague Island, northern Gulf of California. *Western Birds* 25:201–202.
- Peresbarbosa, E., and E. Mellink. 2001. Nesting waterbirds of Isla Montague, northern Gulf of California, Mexico. Loss of eggs due to predation and flooding, 1993–1994. *Waterbirds* 24:265–271.
- Pérez-Arvizu, E. M., E. A. Aragón-Noriega and T. L. Espinosa-Carreón. 2009. Response of the shrimp population in the Upper Gulf of California to fluctuations in discharges of the Colorado River. *Crustaceana* 82(5): 615-625.
- Pérez-Arvizu, E. M., E. A. Aragón-Noriega and T. L. Espinosa-Carreón. 2013. Variabilidad estacional de la clorofila *a* y su respuesta a condiciones El Niño y La Niña en el norte del Golfo de California. *Revista de Biología Marina y oceanografía* 48(1): 131-141.
- Pérez-España, H. 2004. Puede la pesca artesanal disminuir el nivel trófico de la pesquería en México? 4th World Fisheries Congress, Vancouver, BC, American Fisheries Society.
- Pérez-España, H., F. Galván-Magaña, and L. A. Abitia-Cárdenas. 1996. Variaciones temporales y espaciales en la estructura de la comunidad de peces de arrecifes rocosos del suroeste del Golfo de California, México [Temporal and spatial variations in the structure of the rocky reef fish community of the southwest Gulf of California, Mexico]. *Ciencias Marinas* 22 (3):273–294.
- Pérez-Estrada C. J., R. Rodríguez-Estrella, D. S. Palacios-Salgado and D. A. Paz-García. 2013. Initial spread of the invasive green alga *Caulerpa verticillata* over coral reef communities in the Gulf of California. *Coral Reefs* DOI 10.1007/s00338-013-1045-x.
- Pérez-González, R., L. M. Valdez, G. Rodríguez-Domínguez and A. Aragón-Noriega. 2012. Seasonal variation in brood size of the spiny lobster *Panulirus gracilis* in Mexican waters of the Gulf of California. *J. Shellfish Research* 31: 935-940.
- Pérez-Jiménez, J. C., O. Sosa-Nishizaki, and J. L. Castillo-Geniz. 2005. A new eastern North Pacific smoothhound shark (genus *Mustelus*, family Triakidae) from the Gulf of California. *Copeia* 2005 (4):834–845.
- Pérez-Mellado, J., and L. T. Findley. 1985. Evaluación de la ictiofauna acompañante del camarón capturado en las costas de Sonora y norte de Sinaloa, México. Pp. 201–254 in A. Yañez-Arancibia (ed.), *Recursos Potenciales de México: La Pesca Acompañante del Camarón*. Programa Universitario de Alimentos, Instituto de Ciencias del Mar y Limnología, Instituto Nacional de la Pesca. Universidad Nacional Autónoma de México, México, D.F. 748 pp.
- Pérez-Segura, E. and C. Jacques-Ayala. 1991. Studies of Sonoran Geology. The Geological Society of America, Special Paper No. 254, 130pp.
- Pérez de Ribas, A. 1645. *Historia de los triumphos de nuestra santa fee entre genes las mas barbaras, y fieras del Nuevo obre: A. de Paredes, Madrid*. Reprinted 1999, History of the Triumphs of Our Holy Faith Amongst the Most Barbarous and Fierce Peoples of the New World. Edited and translated by D. T. Reff, M. Ahern and R. K. Danford. University of Arizona Press, Tucson, AZ.
- Perrin, W. F. 1998. *Stenella longirostris*. *Mammal Species* 599:1–7.
- Perrin, W. F. 2002. Pantropical spotted dolphin. Pp. 865–867 in W. F. Perrin, B. Wursig and J. G. M. Thewissen (eds.), *Encyclopedia of Marine Mammals*. Academic Press, San Diego, CA. 1414 pp.

- Perrin, W. F., C. E. Wilson, and F. I. Archer. 1994. Striped dolphin, *Stenella coeruleoalba* (Meyen, 1833). Pp. 261–288 in S. H. Ridway and R. Harrison (eds.), *Handbook of Marine Mammals. Vol. 5*. Academic Press, London. 442 pp.
- Perry, K. and S. M. Shuster. 2000. The effects of linkage and selection on allozyme variation in a marine isopod, *Paracerceis sculpta* Holmes (Crustacea: Isopoda). *Journal of the Arizona-Nevada Academy of Science* 35: 6.
- Persuad, P., J. M. Stock, M. S. Steckler, A. Martín-Barajs, J. B. Diebold, A. González-Fernandez and G. S. Mountain. 2003. Active deformation and shallow structure of the Wagner, Consag, and Delfin Basins, northern Gulf of California, Mexico. *J. Geophysical Res.* 108, B7, 2355.
- PESCA. 1990. XXV Años de Investigación, Conservación, y Protección de la Tortuga Marina. Manufactura Lusag, Mexico, D.F.
- Pesenti, C. and J. W. Nichols. 2002. Signs of Success: Fourth Annual Meeting of the Sea Turtle Conservation Network of the Californias (Grupo Tortuguero de las Californias). *Marine Turtle Newsletter* 97:14–16.
- Petersen, C. W. 1987. Reproductive behaviour and gender allocation in *Serranus fasciatus*, a hermaphroditic reef fish. *Animal Behaviour* 35:1601–1614.
- Petersen, C. W. 1988. Male mating success, sexual size dimorphism, and site fidelity in two species of *Malacoctenus* (Labrisomidae). *Environmental Biology of Fishes* 21:173–183.
- Petersen, C. W. 1989. Females prefer mating males in the carmine triplefin, *Axoclinus carminalis*, a paternal brood guarder. *Environmental Biology of Fishes* 26:213–221.
- Petersen, C. W. and K. Marchetti. 1989. Filial cannibalism in the Cortez damselfish *Stegastes rectifraenum*. *Evolution* 43:158–168.
- Peterson, D. L., K. B. Kubow, M. J. Connolly, L. R. Kaplan, M. M. Wetkowski, W. Leong, B. C. Phillips and S. Edmands. 2013. Reproductive and phylogenetic divergence of tidepool copepod populations across a narrow geographical boundary in Baja California. *Jour. Biogeography* 40: 1664-1675.
- Peterson, J., D. R. Mitchell and M. S. Shackley. 1997. The social and economic contexts of lithic procurement: obsidian from Classic Period Hohokam sites. *American Antiquity* 62(2): 231-259.
- Petren, K. and T. J. Case. 1997. A phylogenetic analysis of body size evolution and biogeography in chuckwalla (*Sauromalus*) and other iguanines. *Evolution* 51: 206-219.
- Pfefferkorn, I. [1794] 1989. *Sonora: A Description of the Province*. Translated and annotated by T. E. Treutlein. University of Arizona Press, Tucson, AZ.
- Pfeiler, E. 1986. Towards an explanation of the development strategy in leptocephalous larvae of marine fishes. *Environmental Biology of Fishes* 15:3–13.
- Pfeiler, E. 2011. Confirmation of black mangrove [*Avicennia germinans* (L.) L.] as a larval host for *Junonia noveboracensis* (Cramer) (Nymphalidae: Nymphalinae) from Sonora, Mexico. *Journal Lepidopterist's Society* 65(3): 187-190.
- Pfeiler, E., B. Bitler, J. Ramsey, C. Palacios-Cardiel and T. Markow. 2006. Genetic variation, population structure, and phylogenetic relationships of *Triatoma rubida* and *T. recurva* (Hemiptera: Reduviidae: Triatominae) from the Sonoran Desert, insect vectors of the Chagas' disease parasite *Trypanosoma cruzi*. *Molecular Phylogenetics and Evolution* 41: 209-221.

- Pfeiler, E., B. G. Bitler, R. Ulloa, A.M. van der Heiden & P. A. Hastings. 2008. Molecular identification of the bonefish *Albula esuncula* (Albuliformes: Albulidae) from the Tropical Eastern Pacific, with comments on distribution and morphology. *Copeia* 2008:763-770.
- Pfeiler, E., T. Erez, L. A. Hurtado and T. A. Markow. 2007. Genetic differentiation and demographic history in *Drosophila pachea* from the Sonoran Desert. *Hereditas* 144: 63-74.
- Pfeiler, E., L. A. Hurtado, L. L. Knowles, J. Torre-Cosío, L. Bourillón-Moreno, J. F. Márquez-Farías, G. Montemayor-López. 2005. Population genetics of the swimming crab *Callinectes bellicosus* (Brachyura: Portunidae) from the eastern Pacific Ocean. *Mar. Biol.* 146, 559–569.
- Pfeiler, E., S. Johnson, M. P. Richmond and T. A. Markow. 2013. Population genetics and phylogenetic relationships of beetles (Coleoptera: Histeridae and Staphylinidae) from the Sonoran Desert associated with rotting columnar cacti. *Molecular Phylogenetics and Evolution*: dx.doi.org/10.1016/j.ympev.2013.07.030
- Pfeiler, E., M. Ramírez Loustalot Laclette and T. A. Markow. 2016. Butterfly biodiversity in a threatened coastal desert ecosystem of northwestern Mexico, with a focus on the life history and ecology of potentially endangered species. *Journal of the Lepidopterists' Society* 70(1): 47-60.
- Pfeiler, E. and A. Luna. 1984. Changes in biochemical composition and energy utilization during metamorphosis of leptocephalous larvae of the bonefish (*Albula*). *Environmental Biology of Fishes* 10:243–251.
- Pfeiler, E., A. M. Van Der Heiden, R. S. Ruboyianes and T. Watts. 2011. *Albula gilberti*, a new species of bonefish (Albuliformes: Albulidae) from the eastern Pacific, and a description of adults of the parapatric *A. esuncula*. *Zootaxa* 3088: 1-14.
- Pfister, T., B. Pfister, V. Jiménez-Serranía, D. de-Pedro-Díaz, G. Suárez-Gracida and J. Duberstein. 2005. Assessment of the nesting population of Double-crested Cormorants *Phalacrocorax auritus albociliatus* on Isla Alcatraz, Gulf of California, México. *Marine Ornithology* 33 195–197.
- Phillips, R. P. 1964. Marine geology in the Gulf of California. Ph.D. Dissert., (Univeristy Microfilms Inc., No. 64–9950), University of California, San Diego. 250 pp.
- Phillips, S. J., and P. W. Comus (eds.). 2000. *A Natural History of the Sonoran Desert*. University of California Press, Berkeley and Los Angeles, CA.
- Pitman, R. L. 1990. Pelagic distribution and biology of sea turtles in the Eastern Tropical Pacific. Pp. 143–148 in T. H. Richardson, J. I. Richardson, and M. Donnelly (comps.), *Proceedings of the Tenth Annual Symposium on Sea Turtle Biology and Conservation*. NOAA Technical Memorandum NMFS-SEFC-278.
- Pitman, R. L., A. Aguayo L., and J. Urbán R. 1987. Observations of an unidentified Beaked Whale in the Eastern Tropical Pacific. *Marine Mammal Science* 3 (4):345–352.
- Pitman, R. L. and M. S. Lynn. 2001. Biological observations of an unidentified mesoplodont whale in the eastern tropical Pacific and probable identity: *Mesoplodon peruvianus*. *Marine Mammal Science* 17:648–657.
- Pitt, J. 2001. Can we restore the Colorado River delta? *Journal of Arid Environments* 49(1): 211-220.
- Pitt, J., O. Hinojosa-Huerta and Y. Carrillo-Guerrero. 2010. Getting ahead of a water crisis: binational collaboration in the Colorado River Basin. In: *Proceedings of the Second International Colloquium on Sustainable Watersheds*, Comisión Nacional del Agua, México.

- Pitt, J., D. Luecke, M. Cohen, E. Glenn, and C. Valdés-Casillas. 2000. Two nations, one river: managing ecosystem conservation in the Colorado River Delta. *Natural Resources Journal* 40:819–864.
- Plascencia-González, H. G. 1993. Contribución al conocimiento de las comunidades de peces asociadas a los fondos blandos de la plataforma continental del sur de Sinaloa (Proyecto SIPCO). Tesis profesional [bachelor's thesis], Facultad de Ciencias, Universidad Nacional Autónoma de México. 200 pp.
- Plattner, C., R. Malservisi, T. H. Dixon, P. LaFemina, G. F. Sella, J. Fletcher and F. Suarez-Vidal. 2007. New constraints on relative motion between the Pacific Plate and Baja California microplate (Mexico) from GPS measurements. *Geophys. J. Int.*, doi: 10.1111/j.1365-246X.2007.03494.x
- Poirrier, M. A. and M. R. Partridge. 1979. The barnacle, *Balanus subalbidus*, as a salinity bioindicators in the oligohaline estuarine zone. *Coastal & Estuarine Research Federation* 2(3): 204-206.
- Polis, G. A., S. D. Hurd, C. T. Jackson, and F. Sánchez-Piñero. 1997. El Niño effects on the dynamics and control of an island ecosystem in the Gulf of California. *Ecology* 78 (6):1884–1897.
- Polzer, Jr., C. W. 1998. *Kino. A Legacy. His Life, His Works, His Missions, His Monuments*. Jesuit Fathers of Southern Arizona, Tucson, AZ.
- Pomeroy, R. S., P. McConney, and R. Mahon. 2004. Comparative analysis of coastal resource co-management in the Caribbean. *Ocean and Coastal Management* 47:429–447.
- Ponce, Díaz, G., F. Arreguín-Sánchez, A. Hernández-Llamas P. del Monte-Luna and M. Ramade-Villanueva. 2013. Estimating illegal catch of abalone and lobster along the coast of the Baja California Peninsula. *Ciencias Marinas* 39(2): doi.org/10/7773/cm.v39i3.2197
- Pontius, D. 1997. *Colorado River Basin Study. Final Report to the Western Water Policy Review Advisory Commission*. 132 pp.
- Poole, A. F., R. O. Bierregaard, and M. S. Martell. 2002. Osprey (*Pandion haliaetus*). In A. F. Poole and F. Gill (eds.), *The Birds of North America*, No. 683. The Birds of North America, Inc., Philadelphia.
- Poore, G. C. B. 1984. *Colanthura, Califanthura, Cruranthura* and *Cruregens*, related genera of the Paranthuridae (Crustacea: Isopoda). *Journal of Natural History* 18:697–715.
- Pope, D. S. and B. R. Haney. 2008. Interspecific signalling competition between two hood-building fiddler crab species, *Uca latimanus* and *U. musica musica*. *Animal Behaviour* 76(6): 2037-2048.
- Poole, S. P. 1977. *Our Lady of Guadalupe. The Origins and Sources of a Mexican National Symbol, 1531-1797*. University of Arizona Press, Tucson, AZ.
- Portugal, E., F. Izquierdo, A. Truesdell and J. Alvarez. 2005. The geochemistry and isotope hydrology of the Southern Mexicali Valley in the area of the Cerro Prieto, Baja California (Mexico) geothermal field. *J. Hydrol.* 313: 132-148.
- Postel, S. L., J. I. Morrison, et al. 1998. Allocating fresh water to aquatic ecosystems: The case of the Colorado River delta. *Water international* 23(3): 119-125.
- Potin, P., J.-Y. Floc'h, C. Augris, and J. Cabioch. 1990. Annual growth rates of the calcareous red alga *Lithothamnion corallioides* (Corallinales, Rhodophyta) in the Bay of Brest, France. *Hydrobiologia* 204/205:263–267.

- Poulson, S. R. and B. E. John. 2003. Stable isotope and trace element geochemistry of the basal Bouse Formation carbonate, Southwestern United States: implications for the Pliocene uplift history of the Colorado Plateau. *Bulletin, Geological Society of America* 115: 434-444.
- Prescott, R. and R. Cudney-Bueno. 2008. Mobile 'reefs' in the northeastern Gulf of California: aggregations of black murex snails *Hexaplex nigritus* as habitat for invertebrates. *Marine Ecology Progress Series* 367: 185-192.
- Prescott, R., V. Koch, C. Yingling and C. Ruiz Verdugo. 2007. Settlement of Pacific calico scallop larvae (*Argopecten ventricosus*, Sowerby II, 1842) on their predator, the black murex snail (*Hexaplex nigritus*, Philippi, 1845). *Journal of Shellfish Research* 26(4): 1065-1070.
- Present, T. M. 1987. Genetic differentiation of disjunct Gulf of California and Pacific coast populations of *Hypsoblennius jenkinsi*. *Copeia* 1987 (4):1010-1024.
- Presti, S., A. Resendiz, A. Sollod, and J. A. Seminoff. 1999. Mercury presence in the scutes of black sea turtles, *Chelonia mydas agassizii*, in the Gulf of California. *Chelonian Conservation and Biology* 3:531-533.
- Pritchard, P. C. H. 1982. Nesting of the leatherback turtle, *Dermochelys coriacea* in Pacific Mexico, with a new estimate of the world population status. *Copeia* 1982:741-747.
- Pritchard, P. C. H. 1999. Status of the black turtle. *Conservation Biology* 13:1000-1003
- Prol-Ledesma, R. M., C. Canet, M. A. Torres-Vera, M. J. Forrest and M. A. Armienta. 2004. Vent fluid chemistry in Bahía Concepción coastal submarine hydrothermal system, Baja California, Mexico. *J. Volcanology & Geothermal Research* 137: 311-328.
- Prol-Ledesma, R. M., M.-A. Torres-Vera, R. Rodolfo-Metalpa, C. Ángeles, C. H. Lechuga Deveze, R. E. Villanueva-Estrada, E. Shumilin and C. Robinson. 2013. High head flow and ocean acidification at a nascent rift in the northern Gulf of California. *Nature Communications* 4 (1388): 1-16.
- PROFEPA (Procuraduría Federal de Protección al Ambiente)–SEMARNAP (Secretaría de Medio Ambiente, Recursos Naturales y Pesca). 1995. Mortandad de mamíferos y aves marinas en el alto Golfo de California. Informe final. 40 pp.
- Pronzato, R. 2003. Mediterranean sponge fauna: a biological, historical and cultural heritae. *Biogeographia* 24:91-99.
- Rábago-Quíroz, C. H., J. López-Martínez, M. O. Nevárez-Martínez and E. Moreales-Bojórquez. 2015. Abundance and size structure of flatfish species on the west side of the Gulf of California, Mexico. *Revista de Biología Marina y Oceanografía* 50(2): 235-247.
- Rábago-Quíroz, C. H., J. López-Martínez, J. E. Valdez-Holguín and M. O. Nevarez Martinz. 2011. Distribución latitudinal y batimétrica de las especies más abundantes y frecuentes en la fauna acompañate del camarón del Golfo de California. México. *Rev. Biol. Trop.* 59: 255-267.
- Radtke, D. B., W. G. Kepner, et al. 1988. Reconnaissance investigation of water quality, bottom sediment, and biota associated with irrigation drainage in the lower Colorado River valley, Arizona, California, and Nevada, 1986-87. U. S. Geological Survey Water-Resources Investigation Report 88-4002. Tucson AZ. February 1988. 77pp.
- Raimondi, P. T. 1988. Rock type affects settlement, recruitment, and zonation of the barnacle *Chthamalus anisopoma* Pilsbury. *Journal of Experimental Marine Biology and Ecology* 123:253-267.
- Raimondi, P. T. 1988. Settlement cues and determination of the vertical limit of an intertidal barnacle. *Ecology* 69 (2):400-407.

- Raimondi, P. T. 1990. Patterns, mechanisms, consequences of variability in settlement and recruitment of an intertidal barnacle. *Ecological Monographs* 60 (3):283–309.
- Raimondi, P. T. 1992. Adult plasticity and rapid larval evolution in a recently isolated barnacle population. *Biological Bulletin* 182:210–220.
- Raimondi, P. T., S. Forde, L. Delph, and C Lively. 1993. Processes structuring communities: evidence for trait-mediated indirect effects through induced polymorphisms. *Oikos* 91(2): 353–261.
- Raith, M., D. C. Zacherl, E. M. Pilgrim and D. J. Eernisse. 2015. Phylogeny and species diversity of Gulf of California oysters (Ostreidae) inferred from mitochondrial DN. *Amer. Malac. Bull.* 33(2): 1-21
- Ramírez-Hernández, J., O. Hinojosa-Huerta, M. Peregrina-Llanes, A. Calvo-Fonseca and E. Carrera-Villa. 2013. Groundwater responses to controlled water releases n the Limitrophe Region of the Colorado River: implications for management and restoration. *Ecological Engineering* 59: 93-103.
- Ramírez-León, M. R., S. Álvarez-Borrego, C. T. Thompson, G. Gaxiola Castro and G. H. Dziendzielewski. 2015. Nutrient input from the Colorado River water to the northern Gulf of California is not required to maintain its pelagic ecosystem productivity. *Ciencias Marinas* 41(2): 169-188.
- Ramírez-Rodríguez, M. and Almendarez-Hernández. 2014. Unidad Representativa de Producción de Camarón-Merluza-Escama de Puerto Peñasco, Sonora. Instituto Politécnico Nacional, Environmental Defense Fund, and Centro Interdisciplinario de Ciencias Marinas. [unpaginated]
- Ramírez-Rodríguez, M. and F. Arreguín-Sánchez. 2008. Fishing time and trap ghost fishing for *Cancer johngarthi* along the Baja California Peninsula's southwestern coast, Mexico. *Journal of Shellfish Research* 27: 897-900.
- Ramírez-Rojo, R. A. and E. A. Aragón-Noriega. 2006. Postlarval ecology of the blue shrimp (*Litopenaeus stylirostris*) and brown shrimp (*Farfantepenaeus californiensis*) in the Colorado River Estuary. *Ciencias Marinas* 32(1A): 45-52.
- Ramos-Castillejos, J. E., C. A. Salinas-Zavala, S. Camparillo-Coop and L. M. Enríquez-Paredes. 2010. Paralarvae of the jumbo squid, *Dosidicus gigas*. *Invertebrate Biology* 129(2): 172-183.
- Randall, J. E. 1976. The endemic shore fishes of the Hawaiian Islands, Lord Howe Island and Easter Island. *Travaux et Documents O.R.S.T.O.M.* 47:49–73.
- Readdie, M. D., M. Ranelletti and R. M. McCourt. 2006. *Common Seaweeds of the Gulf of California*. Sea Challengers, Monterey, CA.
- Rebón G. F. 1997. Análisis de la avifauna presente en el Archipiélago de las Islas Marietas y sus aguas adyacentes, Nayarit, México. Master's thesis, Facultad de Ciencias, Universidad Nacional Autónoma de México, México, D.F.
- Reeves, R. R., B. S. Stewart, P. J. Clapham, and J. A. Powell. 2002. *Guide to Marine Mammals of the World*. Knopf, New York. 527 pp.
- Reginos, C. 2005. Cryptic vicariance in Gulf of California fishes parallels vicariant patterns found in Baja California mammals and reptiles. *Evolution* 59: 2678-2690.
- Reheis, M. C., R. Hershler and D. M. Miller (eds.). 2008. *Late Cenozoic Drainage History of the Southwestern Great Basin and Lower Colorado River Region: Geologic and Biotic Perspectives*. Geological Society of America, Special Paper 439.

- Reichle, M. S. 1975. A seismological study of the Gulf of California: Sonobuoy and teleseismic observations, and tectonic implications. Ph.D. thesis, University of California, San Diego, La Jolla. 249 pp.
- Reish, D. 1972. *Marine Life of Southern California—Emphasizing Marine Life of Los Angeles and Orange Counties*. California State College, Long Beach, CA.
- Rentería-Cano, M. E., L. Sánchez-Velasco, E. Shumilin, M. F. Lavín and J. Gómez-Gutiérrez. 2010. Major and trace elements in zooplankton from the northern Gulf of California during summer. *Biological Trace Element Research* 142(3): 848-864.
- Repking, C. F. and R. D. Ohmart. 1977. Distribution and density of black rail populations along the lower Colorado River. *The Condor* 79(4): 486-489.
- Resendiz, A., B. Resendiz, W. J. Nichols, J. A. Seminoff, and N. Kamezaki. 1998. First confirmation of a trans-Pacific migration of a tagged loggerhead sea turtle (*Caretta caretta*), released in Baja California. *Pacific Science* 52:151–153.
- Revelle, R. R. 1939. Sediments of the Gulf of California. *Bulletin of the Geological Society of America* 50: 170-181.
- Reyes- Bonilla, H. 1992. New records for hermatypic corals in the Gulf of California, México, with an historical and Biogeographical discussion. *Journal of Natural History* 26: 1163-1175.
- Reyes-Bonilla, H. 1993. Corales hermatípicos de la region de Los Cabos, Baja California Sur. *Rev. Inv. Cient., UABCS* 4: 1-9.
- Reyes-Bonilla, H. 1993. The 1987 coral bleaching at Cabo Pulmo reef, Gulf of California, Mexico. *Bulletin of Marine Science* 52: 832-837.
- Reyes-Bonilla, H. 1997. Cabo Pulmo reef: a new marine reserve in the Gulf of California. *Conservation Biology* 11: 838.
- Reyes-Bonilla, H. 2001. Effects of the 1997-1998 El Niño-Southern Oscillation on coral communities of the Gulf of California, Mexico. *Bulletin of Marine Science* 69: 251-266.
- Reyes-Bonilla, H. 2002. Checklist of valid names and synonyms of stony corals (Anthozoa: Scleractinia) from the eastern Pacific. *Journal of Natural History* 36(1): 1-13.
- Reyes-Bonilla, H. and L. Alvarez-Filip. 2008. Long-term changes in taxonomic distinctness and trophic structure of reef fishes at Cabo Pulmo Reef, Gulf of California. *Proc. 11th Internat. Coral Reef Symposium, Ft. Lauderdale, FL, 7-11 July 2008*. Pp. 790-794.
- Reyes-Bonilla, H. and L. E. Calderón-Aguilera. 1999. Population density, distribution and consumption rates of three corallivores at Cabo Pulmo reef, Gulf of California, Mexico. *P.S.Z.N. I: Marine Ecology* 20: 347-357.
- Reyes-Bonilla H., L. E. Calderon Aguilera, O. Aburto-Oropeza, J. G. Diaz Uribe, H. Perez-España, P. del M. Luna, S. Lluch Cota, L. G. Lopez-Lemus. 2009. La disminución en el nivel trófico de las capturas pesqueras en México. *Ciencia* 60(3): 1-9.
- Reyes-Bonilla, H., L. E. Calderón-Aguilera, G. Cruz-Piñon, R. A. López-Pérez and P. Medina-Rosas. 2010. Evaluación de la diversidad gama de corales arrecifales (Scleractinia) en el Pacífico de México. *Revista Mexicana de Biodiversidad* 81(1):
- Reyes-Bonilla, H. and G. Cruz Piñon. 2002. Influence of temperature and nutrients on species richness of deepwater corals from the western coast of the Americas. *Hydrobiologia* 471: 35-41.
- Reyes-Bonilla, H., R. Riosmena-Rodríguez, and M. S. Foster. 1997. Hermatypic corals associated with rhodolith beds in the Gulf of California, Mexico. *Pacific Science* 51:328–337.

- Reyes, S. and D. L. Cadet. 1986. Atmospheric water vapor and surface flow patterns over the tropical Americas during May-August 1979. *Monographs and Weather Reviews* 114:582–593.
- Reynolds, W. W., and D. A. Thomson. 1974. Responses of young Gulf grunion, *Leuresthes sardina*, to gradients of temperature, light, turbulence and oxygen. *Copeia* 1974:747–758.
- Reynolds, W. W. and D. A. Thomson. 1979. Temperature and salinity tolerances of young Gulf of California Grunion, *Leuresthes sardine* (Atheriniformes: Atherinidae). *Journal of Marine Research* 32: 32:7-45.
- Reynolds, W. W., D. A. Thomson and M. E. Casterlin. 1976. Temperature and salinity tolerances of larval Californian grunion, *Leuresthes tenuis* (Ayres): A comparison with Gulf grunion, *L. sardina* (Jenkins & Evermann). *Journal of Experimental Marine Biology and Ecology* 24: 73-82.
- Rhode, D. 2002. Early Holocene juniper woodland and chaparral taxa in the central Baja California peninsula, Mexico. *Quaternary Research* 57: 102-108.
- Rice, D. W. 1974. Whales and whale research in the eastern North Pacific. Pp. 170–195 in W. E. Shevill (ed.), *The Whale Problem. A Status Report*. Harvard University Press, Cambridge.
- Rice, D. W. 1989. Sperm whales (*Physeter macrocephalus*). Pp. 177–233 in S. H. Ridgway and R. Harrison (eds.), *Handbook of Marine Mammals, Vol. 4*. Academic Press, San Diego, CA.
- Rice, D. W. 1998. *Marine Mammals of the World: Systematics and Distribution*. Society of Marine Mammalogy Special Publication 4. University of Central Florida, Orlando. 231 pp.
- Rice, D. W., A. A. Wolman, D. E. Withrow, and L. A. Fleischer, 1981. Gray whales on the winter grounds in Baja California. *Report of the International Whaling Commission* 31:477–489.
- Rice, J., B. W. Anderson, et al. 1980. Seasonal habitat selection by birds in the lower Colorado River valley. *Ecology* 61(6): 1402-1411.
- Richman, A. D., T. J. Case and T. D. Schwaner 1988. Natural and unnatural extinction rates of reptiles on islands. *American Naturalist* 131(5): 611-630.
- Ricketts, E., E. J. Calvin, J. W. Hedgpeth, and D. Phillips. 1985. *Between Pacific Tides. 5th ed.* Stanford University Press, Stanford, CA. 652 pp.
- Riddle, B. R. and D. J. Hafner. 2006. A step-wise approach to integrating phylogeographic and phylogenetic biogeographic perspectives on the history of a core North American warm deserts biota. *Journal of Arid Environments* 66: 435-461.
- Riddle, B. R., D. J. Hafner, and L. F. Alexander. 2000. Comparative phylogeography of Bailey's pocket mouse (*Chaetodipus baileyi*) and the *Peromyscus eremicus* species group: Historical vicariance of the Baja California peninsular desert. *Molecular Phylogenetics and Evolution* 17:161–172.
- Riddle, B. R., D. J. Hafner, and L. F. Alexander. 2000. Phylogeography and systematics of the *Peromyscus eremicus* species group and the historical biogeography of North American warm regional deserts. *Molecular Phylogenetics and Evolution* 17: 145-160.
- Riddle, B. R., D. J. Hafner, L. F. Alexander, and J. R. Jaeger. 2000. Phylogeography and systematics of the *Peromyscus* species group and the historical biogeography of North American warm regional deserts. *Molecular Phylogenetics and Evolution* 17:145–160.
- Riddle, B. R., D. J. Hafner, L. F. Alexander, and J. R. Jaeger. 2000. Cryptic vicariance in the historical assembly of a Baja California peninsular desert biota. *Proceedings of the National Academy of Sciences*, 97:14438–14443.

- Riegl, B. M., J. Halfar, S. J. Purkis and L. Godinez-Orta. 2007. Cabo Pulmo sedimentary facies. *Marine Geology* 236: 61-77.
- Riemann, H., and E. Ezcurra. 2005. Plant endemism and natural protected areas in the peninsula of Baja California, Mexico. *Biological Conservation* 122: 141–150
- Riemann, H., and E. Ezcurra. 2007. Endemic regions of the vascular flora of the peninsula of Baja California, Mexico. *Journal of Vegetation Science* 18: 327–336.
- Rife, A. N, O. Aburto-Oropeza, P. A. Hastings, B. Erisman, F. Ballantyne, J. Wielgus, E. Sala and L. Gerber. 2013. Long-term effectiveness of a multi-use marine protected area on reef fish assemblages and fisheries landings. *Journal of Environmental Management* 117: 276-283.
- Riginos, C. 2005. Cryptic vicariance in Gulf of California fishes parallels vicariant patterns found in Baja, California mammals and reptiles. *Evolution* 59:2678–2690.
- Riginos, C. and M. W. Nachman. 2001. Population subdivision in marine environments: The contributions of biogeography, geographical distance and discontinuous habitat to genetic differentiation in a blennioid fish, *Axoclinus nigricaudus*. *Molecular Ecology* 10:1439–1453.
- Riginos, C., and B. C. Victor. 2001. Larval spatial distributions and other early life-history characteristics predict genetic differentiation in eastern Pacific blennioid fishes. *Proceedings of the Royal Society, London B* 268:1931–1936.
- Ríos-Elósegui, D. and M. E. Hendrickx. 2015. Abundance, relative growth and fecundity of *Emerita rathbunae* Schmitt, 1935 (Decapoda: Anomura: Hippidae) in the SE Gulf of California, Mexico. *Crustaceana* 88 (2): 127-143.
- Ríos-Jara, E. 2015. Diversidad de Moluscos marinos en el Pacífico Mexicano. *Biodiversitas, CONABIO* 118: 12-16.
- Ríos-Jara, E., C. M. Galván-Villa and F. A. Solís-Marín. 2008. Echinoderms of the National Park Isla Isabel, Nayarit, Mexico. *Revista Mexicana de Biodiversidad* 79: 131-141.
- Riosmena-Rodríguez, R. 2002. Taxonomy of the Order Corallinales (Rhodophyta) in the Gulf of California, Mexico. Ph.D. dissert., La Trobe University, Melbourne, Australia. 200 pp.
- Riosmena-Rodríguez, R., G. H. Boo, J. M. López-Vivas, A. Hernández-Velasco, A. Sáenz-Arroyo, and S. M. Boo. 2012. The invasive seaweed *Sargassum filicinum* (Fucales, Phaeophyceae) is on the move along the Mexican Pacific coastline. *Botanica Marina* 55(5): 547-551.
- Riosmena-Rodríguez, A. F. González-Acosta and R. Muñoz-Salazar (eds). 2015. *The Arid Mangrove Forest from Baja California Peninsula. Vol. 1*. Nova Publishers, New York.
- Riosmena-Rodríguez, R., J. M. López Vivas, M. M. Lara Uc and J. M. LópezCalderón. 2014. Invasión de plantas marinas exóticas en el Pacífico Mexicano: Amenaza para el ambiente y la economía. *Bioma* N° 16, Año 2, Febrero 2014: 54-67.
- Riosmena-Rodríguez, R., M. Méndez-Trejo, J. M. López-Calderón, J. M. López-Vivas, M. M. Lara-Uc, G. González-Barba, C. Sánchez-Ortiz and G. Hinojosa-Arango. 2013. Macro-Invertebrates associated to *Zostera marina* meadows at Pacific Baja California Sur coastal Lagoons. Pp. 195-204 in, R. Riosmena-Rodríguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Riosmena-Rodríguez, R., and D. A. Siqueriros-Beltrones. 1996. Taxonomy of the genus *Amphiroa* (Corallinales, Rhodophyta) in the southern Baja California Peninsula, Mexico. *Phycologia* 35(2): 135–147.
- Riosmena-Rodríguez, R., D. L. Steller, G. Hinojosa-Arango, and M. S. Foster. 2010. Reefs that rock and roll: biology and conservation of rhodolith beds in the Gulf of California. Pp. 49-71

- in, Brusca, R. C., *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Riosmena-Rodríguez, R., A. Talavera-Sáenz, B. Acosta-Vargas and S. C. Gardner. Heavy metal dynamics in seaweeds and seagrasses in Bahía Magdalena, B.C.S., México. *J. Appl. Phycology* 22: 283-291.
- Riosmena-Rodríguez, R., and W. J. Woelkerling. 2000. Taxonomic biodiversity of Corallinales (Rhodophyta) in the Gulf of California, Mexico: towards an initial assessment. *Cryptogamie Algologie* 21(4): 315–354.
- Riosmena-Rodríguez, R., W. J. Woelkerling, and M. S. Foster. 1999. Taxonomic reassessment of rhodolith-forming species of *Lithophyllum* (Corallinales, Rhodophyta) in the Gulf of California, Mexico. *Phycologia* 38 (5) (Sep):401–417.
- Ripa, P. 1990. Seasonal circulation in the Gulf of California. *Journal of Geophysical Research* 8:559–564.
- Ripa, P. 1997. Towards a physical explanation of the seasonal dynamics and thermodynamics of the Gulf of California. *Journal of Physical Oceanography* 27:597–614.
- Ripa, P., and G. Velázquez. 1993. Modelo unidimensional de la marea en el Golfo de California. *Geofísica Internacional* 32:41–56.
- Rivera, M. G., R. Riosmena-Rodríguez, and M. S. Foster. 2004. Age and growth of *Lithothamnion muellerii* (Corallinales, Rhodophyta) in the southwestern Gulf of California, Mexico. *Ciencias Marinas* 30 (1B):235–249.
- Rivera, M. G. and R. Scrosati. 2006. Population dynamics of *Sargassum lapazeanum* (Fucales, Phaeophyta) from the Gulf of California, Mexico. *Phycologia* 45(2): 178–189.
- Roa, R., V. A. Gallardo, B. Ernst, M. Baltazar, J. I. Cañete and S. Enríquez-Brionnes. 1995. Nursery ground, age structure and abundance of juvenile squat lobster *Pleuroncodes monodon* on the continental shelf off central Chile. *Marine Ecology Progress Series* 116: 47-54.
- Roa, R. and F. Tapia. 1998. Spatial differences in growth and sexual maturity between branches of a large population of the squat lobster *Pleuroncodes monodon*. *Marine Ecology Progress Series* 167:185-196.
- Roberts, N. C. 1989. *Baja California Plant Field Guide*. Natural History Publishing Company, La Jolla, CA.
- Robertson, D. R. 2001. Population maintenance among tropical reef-fishes: inferences from the biology of small-island endemics. *Proceedings of the National Academy of Sciences* 98:5668–5670.
- Robertson, D. R., and G. R. Allen. 2002. Shorefishes of the tropical eastern Pacific: an information system. CD-ROM Version 1.0.0. Smithsonian Tropical Research Institute, Balboa, Panama.
- Robertson, D. R. and K. L. Cramer. 2009. Shore fishes and biogeographic subdivisions of the tropical eastern Pacific. *Marine Ecology Progress Series* 380: 1-17.
- Robertson, D. R., J. S. Grove, and J. E. McCosker. 2004. Tropical transpacific shore fishes. *Pacific Science* 58(4):507–565.
- Robins, C. R. 1972. The state of knowledge of the coastal fish fauna of the Panamic region prior to the construction of an interoceanic sea-level canal. *Bulletin of the Biological Society of Washington* 2:159–166.
- Robinson, C. J., J. Gómez-Gutiérrez and D. A. Salas de León. 2013. Jumbo squid (*Dosidicus gigas*) landings in the Gulf of California related to remotely sensed SST and concentrations of chlorophyll *a* (1998-2012). *Fisheries Research* 137: 97-103.

- Robinson, C. J., J. Gómez-Gutiérrez, U. Markaida and W. F. Gilly. 2015. Prolonged decline of jumbo squid (*Dosidicus gigas*) landings in the Gulf of California is associated with chronically low wind stress and decreased chlorophyll *a* after El Niño 2009-2010. *Fisheries Research*, doi.org/10.1016/j.fishers.2015.08.014.
- Robinson, J., and D. A. Thomson. 1992. Status of the Pulmo Coral Reefs in the lower Gulf of California. *Environmental Conservation* 19:261–264.
- Robinson, M. K. 1973. Atlas of monthly mean sea surface and subsurface temperatures in the Gulf of California, Mexico. *Memoirs*, San Diego Society of Natural History, 5. 97 pp.
- Robison, B. H. 1972. Distribution of the midwater fishes of the Gulf of California. *Copeia* (3):448–461.
- Robles, A., and M. A. Carvajal. 2001. The sea and fishing. Pp. 293–300 in P. Robles-Gil, E. Ezcurra, and E. Mellink (eds.), *The Gulf of California. A World Apart*. Agrupación Sierra Madre, México, D.F.
- Robles, A., E. Ezcurra, and C. León. 1999. *The Sea of Cortés*. Editorial Jilguero/México Desconocido, México, D.F.
- Robles Gil, P. 1996a. *Mexican Diversity of Cultures. 2nd ed.* CEMEX, Mexico, D.F. [text by Víctor Manuel Toledo; foreword by José Sarukhán].
- Robles Gil, P. 1996b. *Mexican Diversity of Fauna. 2nd ed.* CEMEX, Mexico, D.F. [text by Gerardo Ceballos and Fulvio Eccardi; foreword by Russell A. Mittermeier].
- Robles Gil, P. 1996c. *Mexican Diversity of Flora. 2nd ed.* CEMEX, Mexico, D.F. [text by Rodolfo Dirzo; foreword by Peter Raven].
- Robles Gil, P., E. Ezcurra, and E. Mellink (eds.). 2001. *The Gulf of California. A World Apart*. Agrupación Sierra Madre. Mexico, D.F.
- Robichaux, R.H., ed. 1999. *Ecology of Sonoran Desert Plants and Plant Communities*. University of Arizona Press, Tucson.
- Rocha-Olivares, A., R. A. Leal-Navarro, C. Kimbrell, E. A. Lynn, and R. D. Vetter. 2003. Microsatellite variation in the Mexican rockfish, *Sebastes macdonaldi*. *Scientia Marina* 67 (4):451–460.
- Rocha-Olivares, A., R. H. Rosenblatt, and R. D. Vetter. 1999. Molecular evolution, systematics, and zoogeography of the rockfish subgenus *Sebastes* (*Sebastes*, Scorpaenidae) based on mitochondrial cytochrome *b* and control region sequences. *Molecular Phylogenetics and Evolution* 11:441–458.
- Rocha-Olivares, A. and J. R. Sandoval-Castillo. 2003. Diversidad mitocondrial y estructura genética en poblaciones alopátricas del huachinango del Pacífico *Lutjanus peru* (Mitochondrial diversity and genetic structure in allopatric populations of the Pacific red snapper *Lutjanus peru*). *Ciencias Marinas* 29 (2):197–209.
- Roden, G. I. 1958. Oceanographic and meteorological aspects of the Gulf of California. *Pacific Science* 12(1):21–45.
- Roden, G. I. 1964. Oceanographic aspects of the Gulf of California. Pp. 30–58 in T. H. Van Andel and G. G. Shor, Jr. (eds.), *Marine Geology of the Gulf of California: A Symposium*. American Association of Petroleum Geologists, Memoir 3.
- Roden, G. I. and G. W. Groves. 1959. Recent oceanographic investigations in the Gulf of California. *Marine Research Journal* 18 (1):10–35.
- Rodger, K. A. (ed.). 2006. *Breaking Through: Essays, Jouranals, and Travelogues of Edward F. Ricketts*. Univ. California Press, Berkeley.

- Rodríguez, C. A., K. W. Flessa, and D. L. Dettman. 2001. Effects of upstream diversion of Colorado River water on the estuarine bivalve mollusc *Mulinia coloradoensis*. *Conservation Biology* 15:249–258.
- Rodríguez, C. A., K. W. Flessa, M. A. Téllez-Duarte, D. L. Dettman, and G. E. Avila-Serrano. 2001. Macrofaunal and isotopic estimates of the former extent of the Colorado River estuary, Upper Gulf of California, Mexico. *Journal of Arid Environments* 49:183–193.
- Rodríguez, C. A., K. W. Flessa, M. A. Téllez-Duarte, D. L. Dettman, and G. E. Avila-Serrano. 2001b. Macrofaunal and isotopic estimates of the former extent of the Colorado River estuary, upper Gulf of California, Mexico. *Journal of Arid Environments* 49: 183–193.
- Rodríguez, R. 1997. Age and growth of totoaba, *Totoaba macdonaldi* (Sciaenidae), in the Upper Gulf of California. *Fishery Bulletin* 95(3): 620-628.
- Rodríguez-Casteñeda, J. L. 1991. Mesozoic stratigraphy in north-central Sonora, Mexico. *Boletín del Departamento de Geología, Universidad de Sonora* 8: 13-27.
- Rodríguez-Domínguez, G., S. Castillo-Vargasmachuca, R. Pérez-González and E. A. Aragón-Noriega. 2014. Catch-maximum sustainable yield method applied to the crab fishery (*Callinectes* spp.) in the Gulf of California. *Journal of Shellfish Research* DOI: 10.2983/035.033.0106.
- Rodríguez-Félix, M. Á. Cisneros-Mata and E. A. Aragón-Noriega. 2015. Variability of size at maturity of the warrior swimming crab, *Callinectes bellicosus* (Stimpson, 1859) (Brachyura, Portunidae) along a latitudinal gradient in the Gulf of California. *Crustaceana* 88(9): 979-989.
- Rodríguez-Ibáñez, C., S. Álvarez-Borrego, S. G. Marinone and J. R. Lara-Lara. 2013. The Gulf of California is a source of carbon dioxide to the atmosphere. *Ciencias Marinas* 39(2): 137-150.
- Rodríguez-Preciado, J. A., J. Madrid-Vera and R. Meraz-Sánchez. 2012. Size structure and biomass of the Panama grunt (*Pomadasyss panamensis*) from bycatch in the southeastern Gulf of California. *Open Journal of Marine Science* 2: 1-7.
- Rodríguez-Quiroz, G., E. A. Aragón-Noriega, M. A. Cisneros-Mata and A. Ortega Rubio. 2012. Fisheries and biodiversity in the upper Gulf of California, Mexico. Pp. 281-296 in, M. Marcelli (Ed.), *Oceanography*. InTech, Rijeka, Croatia.
- Rodríguez-Quiroz, G., E. A. Aragón-Noriega, W. Valenzuela-Quiñonez and H. M. Esparza-Leal. 2010. Artisanal fisheries in the conservation zones of the upper Gulf of California. *Revista de Biología Marina y Oceanografía* 45(1): 89-98.
- Rodríguez-Robles, J., L. A. Abitia-Cárdenas, J. De la Cruz-Agüero, and F. Galván-Magaña. 1992. Systematic list of marine fishes of Bahía Concepción, Baja California Sur, Mexico. *Ciencias Marinas* 18 (1):85–95.
- Rodríguez-Robles, J., L. A. Abitia-C., F. Galván-M., J. Arvizu, and B. Aguilar-P. 1998. Ecology of fish communities from the soft bottoms of Bahía Concepción, México. *Archive of Fishery and Marine Research* 46:61–76.
- Rodríguez-Robles, J., L. A. Abitia-C., F. Galván-M., and H. Chávez. 1994. Composition, abundance and specific richness of fishes from Bahía Concepción, Baja California Sur, Mexico. *Ciencias Marinas*. 20 (3):321–350.
- Rodríguez-Robles, J. and J. M. de Jesús-Escobar. 2000. Molecular systematics of New World gopher, bull, and pinesnakes (*Pituophis*: Colubridae), a transcontinental species complex. *Molecular Phylogenetics and Evolution* 14: 35-50.

- Rodríguez-Robles, J., F. Muhlia-Melo, F. Galván-M., F. J. Gutiérrez-Sánchez, and V. Gracia-Lopez. 2005. Fish assemblages around Espiritu Santo Island and Espiritu Santo seamount in the lower Gulf of California, Mexico. *Bulletin of Marine Science* 77:33–50.
- Rodríguez-Robles, J., D. S. Palacios-Salgado, J. Lopez martínez and B. Aguilar Palomino. 2008. First records of the fringed sculpin, *Icelinus fimbriatus* (Scorpaeniformes: Cottidae), off the west coast of Baja California, Mexico. *California Fish and Game* 94(3): 150-153.
- Rodríguez-Romero, J., E. Álvarez-Bauman, M. R. Ochoa-Díaz, J. López-Martínez and M. Maldonado-García. 2013. Feeding habits of *Mustelus henlei* on the western coast of Baja California Sur, México. *Revista de Biología Marina y Oceanografía* 48(2): 261-271.
- Rodríguez-Romero, J., L. López-González, F. Galván-Magaña, F. J. Gutiérrez-Sánchez, J. López-Martínea, R. Inohuye-Rivera and J. C. Pérez-Urbiola. 2015. El papel ecológico de los peces en una zona de manglar de la costa occidental de Baja California Sur, México. Pp. 93-113 in, J. López-Martínez and E. Morales-Bojorquez (eds.), *Efectos de la Pesca de Arrastre en el Golfo de California*. Centro de Investigaciones Biológicas del Noroeste, Baja California, Mexico.
- Rodríguez-Sanchez, E. A. 1996. *Informe Technica Proyecto de Salvamento Arqueological, Marina Peñasco, Sonora, Mexico*. INAH, Hermosillo, Mexico.
- Rogers, M. J. 1939. Early lithic industries of the lower basin of the Colorado River and adjacent desert areas. Pap. No. 3, San Diego Museum of Man, San Diego, CA.
- Rogers, M. J. 1945. An outline of Yuman prehistory. *Southwestern J. Anthropology* 1: 167-198.
- Rohde, K., and M. Heap. 1996. Latitudinal ranges of teleost fish in the Atlantic and Indo-Pacific oceans. *American Naturalist* 147:659–665.
- Rojas-Bracho, L., and A. M. Jaramillo-Legorreta. 2002. Vaquita (*Phocoena sinus*). Pp. 1277–1280 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen (eds.), *Encyclopedia of Marine Mammals*. Academic Press, San Diego, CA.
- Rojas-Bracho, L. and R. R. Reeves. 2013. Vaquitas and gillnets: Mexico’s ultimate cetacean conservation challenge. *Endangered Species Research* 21: 77-87
- Rojas-Bracho, L., R. R. Reeves, and A. Jaramillo-Legorreta. 2006. Conservation of the vaquita *Phocoena sinus*. *Mammal Review* 36 (3):179–216.
- Rojas-Bracho, L. and B. L. Taylor. 1999. Risk factors affecting the vaquita (*Phocoena sinus*). *Marine Mammal Science* 15 (4):974–989.
- Rojas-Brancho, L. and B. L. Taylor. 2006. Risk factors affecting the vaquita (*Phocoena sinus*). *Marine Mammal Science* 15(4): 974-989).
- Román-Rodríguez, M. J. 1990. Alimentación de *Totoaba macdonaldi* (Gilbert) (Pisces: Sciaenidae) en la parte norte del Alto Golfo de California. *Ecológia* 1(2): 1-9.
- Román-Rodríguez, M. J. 1998. Los sciaenidos en la reserva de la biosfera Alto Golfo de California. *Pesca y Conservación* 2:7–8.
- Román-Rodríguez, M. J. 2000. Estudio poblacional del chano norteño, *Micropogonias megalops* y la curvina Golfina *Cynoscion othonopterus* (Gilbert) (Pisces: Sciaenidae), especies endémicas del alto Golfo California, México. Instituto del Medio Ambiente y Desarrollo Sostenible del Estado de Somora. Informe final SNIB-CONABIO Proyecto No. L298. México, D.F.
- Román, M. J., G. Barrera and J. F. Campoy. 1998. La corvina golfina: Volvió para quedarse? *Voces del Mar* 1: 1-2.

- Román-Rodríguez, M. J. 1990. Alimentación de *Totoaba macdonaldi* (Gilbert) (Pisces: Sciaenidae) en la parte norte del Alto Golfo de California. *Ecología* 1(2): 1-9.
- Román-Rodríguez, M. J. 1998. Los sciaenidos en la reserva de la biosfera Alto Golfo de California. *Pesca y Conservación* 2: 7-8.
- Román-Rodríguez, M. J., and M. G. Hammann. 1997. Age and growth of totoaba, *Totoaba macdonaldi* (Sciaenidae), in the upper Gulf of California. *Fishery Bulletin* 95: 620-628.
- Román-Rodríguez, M. J. 2000. Estudio poblacional del chano norteño, *Micropogonias megalops* y la curvina Golfina *Cynoscion othonopterus* (Gilbert) (Pisces: Sciaenidae), especies endémicas del alto Golfo California, México. Instituto del Medio Ambiente y Desarrollo Sustentable del Estado de Sonora. Informe final SNIB-CONABIO Proyecto No. L298. México, D.F.
- Román-Rodríguez, M. J., and M. G. Hammann. 1997. Age and growth of totoaba, *Totoaba macdonaldi* (Sciaenidae), in the upper Gulf of California. *Fishery Bulletin* 95:620-628.
- Romero-C., J. M. 1978. Composición y variabilidad de la fauna de acompañamiento del camarón en la zona norte del Golfo de California. Tesis de maestría [master's thesis], Escuela de Ciencias Marítimas y Alimentarias, Instituto Tecnológico y de Estudios Superiores de Monterrey-Campus Guaymas, Sonora.
- Romero-Sedano, J. C., E. A. Aragón-Noriega, M. M. Manzano-Sarabia, C. A. Salinas-Zavala and A. R. García-Juárez. 2004. Reproductive period of the brown shrimp *Farfantepenaeus californiensis* (Holmes, 1900) in the Agiabampo coastal lagoon system, Sonora/Sinaloa, Mexico. *Ciencias Marinas* 30(3): 465-475.
- Romo, S. F. 2004. Riqueza, distribución y taxonomía de cetáceos pertenecientes a las familias Kogiidae y Ziphiidae en Bahía de Banderas Nayarit-Jalisco, México. Bachelor's thesis, Instituto Tecnológico del Mar No. 6. 56 pp.
- Rosales-Juárez, F. 1976. Composición y variabilidad de la fauna de acompañamiento del camarón en alta mar, frente a las costas de Sinaloa, México. Pp. 25-80 in Instituto Nacional de la Pesca (ed.), *Memorias de la Reunión sobre los Recursos de la Pesca Costera en México*, 23-25 Nov. 1976, Veracruz, México.
- Rosales-Juárez, F. and Ramirez-Gonzalez. 1987. Estado actual sobre el conocimiento de la Totoaba (*Cynoscion macdonaldi* Gilbert 1980). Secretaria de Pesca, Mexico.
- Rosas-Luis, R., C. A. Salinas-Zavala, V. Koch, P. Del Monte Luna and M. V. Morales-Zárate. 2008. Importance of jumbo squid *Dosidicus gigas* (Orbigny, 1835) in the pelagic ecosystem of the central Gulf of California. *Ecological Modelling* 218: 149-161.
- Rosenberg, K. V. 1991. *Birds of the Lower Colorado River Valley*. University of Arizona Press Tucson. 416pp.
- Rosenblatt, R. H. 1959. A revisionary study of the blennioid family Tripterygiidae. Ph.D. dissertation, University of California, Los Angeles. 371 pp.
- Rosenblatt, R. H. 1967. The zoogeographic relationships of the marine shore fishes of tropical America. *Studies in Tropical Oceanography* 5:570-592.
- Rosenblatt, R. H., J. E. McCosker, and I. Rubinoff. 1972. Indo-West Pacific fishes from the Gulf of Chiriqui, Panama. *Contributions in Science of the Natural History Museum, Los Angeles County* 234:1-18.
- Rosenblatt, R.H., E.C. Miller & P.A. Hastings. 2013. Three new species of triplefin blennies of the genus *Enneanectes* (Teleostei, Tripterygiidae) from the tropical eastern Pacific with a key to Pacific species of *Enneanectes*. *Zootaxa* 3636(2):361-373.

- Rosenblatt, R. H. and T. D. Parr 1969. The Pacific species of the clinid fish genus *Paraclinus*. *Copeia* 1969 (1):1–20.
- Rosenblatt, R. H., and L. R. Taylor, Jr. 1971. The Pacific species of the clinid fish tribe Starksini. *Pacific Science* 25 (3):436–463.
- Rosenblatt, R. H., and R. S. Waples. 1986. A genetic comparison of allopatric populations of shore fish species from the eastern and central Pacific Ocean: dispersal or vicariance? *Copeia* 1986 (2):275–284.
- Roskowski, J. A., P. J. Patchett, J. E. Spencer, P. A. Pearthree, D. L. Dettman, J. E. Faulds and A. C. Reynolds. 2010. A late Miocene-early Pliocene chain of lakes fed by the Colorado River: Evidence from Sr, C, and O isotopes of the Bouse Formation and related units between Grand Canyon and the Gulf of California. *Geological Society of America, Bulletin* 122: 1625-1636.
- Ross, C. L. and T. A. Mzrkow. 2006. Microsatellite variation among diverging populations of *Drosophila mojavensis*. *Journal of Evolutionary Biology* 19: 1691-1700.
- Roth, B. J. (ed.) 1996. Early formative adaptations in the southern Southwest. Monogr. World Prehistory. Prehistory Press, Madison, WI.
- Roth, B. J. and A. Freeman. 2008. The middle Archaic Period and the transition to agriculture in the Sonoran Desert of southern Arizona. *Kiva* 73: 321-353.
- Round, F. E. 1967. The phytoplankton of the Gulf of California. Part 1. Its composition, distribution and contribution to the sediments. *Journal of Experimental Marine Biology and Ecology*. 1: 76-97.
- Routson, C. C., J. T. Overpeck, C. A. Woodhouse and W. F. Kenney. 2016. Three millennia of Southwestern North American dustiness and future implications. *PLOS one*, doi:10.1371/journal.pone.0149573.
- Rowell, K., D. L. Dettman and R. Dietz. 2010. Nitrogen isotopes in otoliths reconstruct ancient trophic position. *Environ. Biol. Fishes* 89: 415-425.
- Rowell, K., K. W. Flessa, D. L. Dettman, and M. Román. 2005. The importance of Colorado River flow to nursery habitats of the Gulf corvina (*Cynoscion othonopterus*). *Canadian Journal of Fisheries and Aquatic Sciences* 62:2874–2885.
- Rowell, K., K. W. Flessa, D. L. Dettman, M. Román, L. R. Gerber and L. T. Findley. 2008. Diverting the Colorado River leads to a dramatic life history shift in an endangered marine fish. *Biological Conservation* 114(4): 1140-1150.
- Rowell, K., C. True, K. W. Flessa and D. L. Dettman. 2008. Fish without water: validation and application of the $\delta^{18}\text{O}$ in *Totoaba macdonaldi* otoliths. *Ciencias Marinas* 34(1): 55-68.
- Rubio C., N. T., S. L. Mesnick, R. Vázquez-Juárez, J. Urbán R., C. A. J. Jodard, R. Payne, and A. E. Dizon. 2006. Genetic sex determination supports the Gulf of California as an important habitat for male and female sperm whales (*Physeter macrocephalus*). *The Latin American Journal of Aquatic Mammals* 5 (2):125–128.
- Ruíz-Cooley, R. I., D. Gendron, S. Aguinaga-García, S. L. Mesnick, and L. D. Carriquiry. 2004. Trophic relationships between sperm whales and the jumbo squid using stable isotopes of C and N. *Marine Ecology Progress Series* 277:275–283.
- Ruíz de la Peña, M. A. O. and M. Ramírez Rodríguez. 2014. Interactions among shrimp and “catarina” clam fisheries at Magdalena Bay, Baja California Sur, Mexico. *Ocean & Coastal Management* 88: 31-37.
- Ruíz-López, D. M., A. E. Aragón-Noriega, A. Luna-Gonzalez and H. A. Gonzalez-Ocampo. 2012. Applying fuzzy logic to assess human perception in relation to conservation plan

- efficiency measures within a biosphere reserve. Royal Swedish Academy of Sciences, 10.1007/s13280-012-0252-y.
- Ruíz-Luna, A., and C. A. Berlanga-Robles. 1999. Modifications in coverage patterns and land use around the Huizache-Caimanero lagoon system, Sinaloa, Mexico: A multi-temporal analysis using Landsat images. *Estuarine Coastal and Shelf Science* 49:37–44.
- Rusnak, G. A., and R. L. Fisher. 1964. Structural history and evolution of gulf of California. Pp. 144–156 in T. H. van Andel and G. G. Shor, Jr. (eds.), *Marine Geology of the Gulf of California—A symposium*. American Association of Petroleum Geologists, Memoir 3.
- Rusnak G.A., R. L. Fisher and F. P. Shepard. 1964. Bathymetry and faults of Gulf of California. In: T. van Andel and G. Shor (eds.), *Marine Geology of the Gulf of California*. Am. Assoc. Petr. Geol. Mem. 3, Tulsa, pp. 59-75.
- Russell, G. A., D. P. Middaugh, and M. J. Hemmer. 1987. Reproductive rhythmicity of the false grunion, *Colpichthys regis*, from Estero del Soldado, Mexico. *California Fish and Game* 73 (3):169–174.
- Russell, P., and M. E. Johnson. 2000. Influence of seasonal winds on coastal carbonate dunes from the Recent and Plio-Pleistocene at Punta Chivato (Baja California Sur, Mexico). *Journal of Coastal Research* 16:709–723.
- Russell, S. M. and G. Monson. 1998. *The Birds of Sonora*. The University of Arizona Press, Tucson, AZ.
- Ryerson, S. 1976. Seri ironwood carving: an economic view. Pp. 119-136 in, N. H. H. Graburn (Ed.), *Ethnic and Tourist Arts: Cultural Expressions from the Fourth World*. University of California Press, Berkeley, CA.
- Rymer, M. J., J. Boatwright, L. C. Seekins, J. Douglas Yule and J. Liu. 2002. Triggered surface slips in the Salton Trough associated with the 1999 Hector Mine, California, Earthquake. *Bulletin of the Seismological Society of America* 92(4): 1300-1317.
- Saavedra-Sotelo, N. C., L. E. Calderon-Aguilera, H. Reyes-Bonilla, R. A. López-Pérez, P. Medina-Rosas and A. Rocha-Olivares. 2011. Limited genetic connectivity of *Pavona gigantea* in the Mexican Pacific. *Coral Reefs* 30: 677-686.
- Sadovy, Y. and W. L. Cheung. 2003. Near extinction of a highly fecund fish: the one that nearly got away. *Fish. Fish.* 4: 86-99.
- Sadovy, Y. and B. Erisman. 2010. Fishery and biological implications of fishing spawning aggregations, and the social and economic importance of aggregating fishes. Pp. 225-284 in, Y. J. Sadovy and P. I. Colin (eds.), *Reef Fish Spawning Aggregations: Biology, Research, and Management*. Springer.
- Sáenz-Arroyo, A. 2008. La paradoja del chimpancé pensante: evolución, historia y valores de conservación en el medio marino. Pp. 571-599 in, M. Cariño-Olvera and M. Monteforte, *Del Saqueo a la Conservación: Historia Ambiental en el Estado de Baja California Sur*. SEMARNAT, INE, UABCS.
- Sáenz-Arroyo, A., C. M. Roberts, et al. 2006. The value of evidence about past abundance: marine fauna of the Gulf of California through the eyes of 16th to 19th century travelers. *Fish and Fisheries* 7(2): 128-146.
- Sáenz-Arroyo, A. and C. M. Roberts. 2008. Consilience in Fisheries Science. *Fish and Fisheries* 9: 316- 327.
- Sáenz-Arroyo, A., C. M. Roberts, J. Torre, and M. Cariño-Olvera. 2005. Using fisher's anecdotes, naturalists' observations and grey literature to reassess marine species at risk: the case of the Gulf grouper in the Gulf of California, Mexico. *Fish and Fisheries* 6:121–133.

- Sáez-Arroyo, A., C. M. Roberts, J. Torre, M. Cariño-Olvera, and R. R. Enríquez-Andrade. 2005. Rapidly shifting environmental baselines among fishers of the Gulf of California. *Proceedings of the Royal Society B* 272:1957–1962.
- Sagarin, R. D., W. F. Gilly, C. H. Baxter, N. Burnett and J. Christensen. 2008. Remembering the Gulf: changes to the marine communities of the Sea of Cortez since the Steinbeck and Ricketts expedition of 1940. *Frontiers in Ecology* 6: 372-379.
- SAGARPA (Agriculture, Livestock and Fisheries Ministry). 2004. Carta Nacional Pesquera. *Diario Oficial de la Federación*, México, D.F., Monday March 15, 2004.
- Sahagian, D., A. Proussevitch and W. Carlson. 2002. Timing of Colorado Plateau uplift: initial constraints from vesicular basalt-derived paleoelevations. *Geology* 30(9): 807-810.
- Sahley, C. T., M. A. Horner and T. H. Fleming. 1993. Flight speeds and mechanical power outputs of the nectar-feeding bat, *Leptonycteris curasoae* (Phyllostomidae: Glossophaginae). *Journal of Mammalogy*: 594-600.
- Sala, E. 2000. Manejo de peces de arrecife, conceptos y estrategias (Management of reef fishes, concepts and strategies). Pp. 107–111 in O. Aburto-Oropeza and C. A. Sánchez-Ortiz (eds.), *Recursos arrecifales del Golfo de California, estrategias de manejo para las especies marinas de ornato* [Reef resources of the Gulf of California, management strategies for the marine ornate species]. Universidad Autónoma de Baja California Sur, La Paz. 138 pp.
- Sala E., O. Aburto-Oropeza and J. Arreola-Robles. 1999. Observations of a probable hybrid angelfish of the genus *holacanthus* from the Sea of Cortez, México. *Pacific Science*, Vol. 53, No. 2: 181-184.
- Sala, E., O. Aburto-Oropeza, G. Paredes, I. Parra, J. C. Barrera, and P. K. Dayton. 2002. A general model for designing networks of marine reserves. *Science* 298:1991–1993.
- Sala, E., O. Aburto-Oropeza, G. Paredes, I. Parra, J. C. Barrera, and P. K. Dayton. 2003. Modeling marine protected areas – Response. *SCIENCE* 301 (5629): 48-49.
- Sala, E., O. Aburto-Oropeza, G. Paredes, and G. Thompson. 2003. Spawning aggregations and reproductive behavior of reef fishes in the Gulf of California. *Bulletin of Marine Science* 72 (1):103–121.
- Sala, E., O. Aburto-Oropeza, M. Reza, G. Paredes, and L. G. López-Lemus. 2004. Fishing down coastal food webs in the Gulf of California. *Fisheries* 29 (3):19–25.
- Salas-Monreal, D., D. A. Salas-de-Leon, M. A. Monreal-Gomez, M. L. Riverón-Enzástiga and E. Mojica-Ravírez. 2012. Hydraulic jump in the Gulf of California. *Open Journal of Marine Science* 2: 141-149.
- Salas-Moya, C., S. Mena and I. S. Wehrmann. 2014. Reproductive traits of the symbiotic pea crab *Austinotheres angelicus* (Crustacea, Pinnotheridae) living in *Saccostrea palmula* (Bivalvia, Ostreidae), Pacific coast of Costa Rica. *ZooKeys* 457: 239-252.
- Sale, P. F. 1980. The ecology of fishes on coral reefs. *Oceanography and Marine Biology Annual Review* 18:367–421.
- Saldívar-Lucio, R. and H. Reyes-Bonilla. 2011. Monitoreo de la ictiofauna usando grupos taxonómicos superiores en el Parque Nacional Cabo Pulmo, México. *Revista Biología Tropical* 59(2): 871-885.
- Salgado-Barragán, J., M. Ayón-Parente and M. E. Hendrickx. 2014. A new species of *Leptalpheus* Williams, 1965 and new records for *L. mexicanus* Ríos & Carvacho, 1983 and *L. hendrickxi* Anker, 2011 (Crustacea: Decapoda: Alpheidae) from the Pacific coast of Mexico. *Zootaxa* 3835(4): 573-582.

- Salgado-Barragán, J. and M. E. Hendrickx. 2010. Clave ilustrada para la identificación de los estomatópodos (Crustacea: Hoplocarida) del Pacífico oriental. *Revista Mexicana de Biodiversidad* 81: S1-S49.
- Salinas-Zavala, C. A., S. Camarillo-Coop, A. Mejia-Rebollo, R. Rosas-Luis, J. Ramos-Castillejos, R. Ramirez-Rojo, D. Arizmendi, G. Bazzino, N. Dimaté-Velasquez and U. Markaida-Aburto. 2006. Studies of the jumbo squid (*Dosidicus gigas* d'Orbigny, 1985) in Mexico: fishery, ecology, and climate. Pp. 35-40 in, R. J. Olson and J. W. Young (eds), *The Role of Squid in Open Ocean Ecosystems*. GLOBEC Report No. 24, Report of a GLOBEC-CLIOTOP/PFRP Workshop, 16-17 November 2006, Honolulu, Hawaii.
- Salinas-Zavala, C. A., D. Lluch-Belda, S. Hernández-Vázquez and D. B. Lluch-Cota. 1998. La aridez en el noroeste de México: un análisis de su variabilidad espacial y temporal. *Atmósfera* 11: 29-44.
- Salomón-Aguilar, C., C. Villavicencio-Garayzar, and H. Reyes-Bonilla. 2009. Shark breeding grounds and seasons in the Gulf of California: fishery management and conservation strategy. *Ciencias Mzrinas* 35: 369-388.
- Sánchez, A., O. González-Yajimovich, E. Balart, B. E. López-Orgiz, S. Aguíñiga-García, and M. C. Ortiz-Hernández. 2013. Acumulación de carbon orgánico total y carbato de calico en la zona de oxígeno mínimo del Pacífico nororiental Mexicano. *Revista Mexicana de Ciencias Geológicas* 30(1): 222-232.
- Sánchez, A., B. E. López-Ortiz, S. Aguíñiga-Garxía and E. Balart. 2013. Distribution and composition of organic mater in sediments of the oxygen minimum zone of the northeastern Mexican Pacific: paleoceanographic implications. *Journal of Iberian Geology* 39(10): 11-120.
- Sánchez, N. 1926. *California and Californians, Hispanic Period*. B. F. Lewis & Co., Chicago.
- Sánchez-Alcantara I, O. Aburto-Oropeza, E. F. Balart Amílcar, L. Cupul-Magana, H. Reyes-Bonilla and C. Sanchez-Ortiz. 2006. Threatened fishes of the world: *Holacanthus passer Valenciennes, 1846* (Pomacanthidae). *Environmental Biology of Fish* 77(1): 97- 99.
- Sánchez- González, A., S. Aguíñiga Garcia, D. Lluch-Belda, J. Camalich-Carpiza, P. Del Monte Luna, G. Ponce Díaz, and F. Arreguin-Sánchez. 2009. Geoquímica sedimentaria en áreas de pesca de arrastre y no arrastre de fondo en la costa de Sinaloa-Sonora, Golfo de California. *Boleín de la Sociedad Geológica Mexicana* 61: 25-30.
- Sánchez-González, L. A., A. G. Navarro-Sigüenza, J. f. Ornelas and J. J. Morrone. 2013. What's in a name?: Mesoamerica. *Rev. Mexicana Biodiversidad* 84: 1305-1308.
- Sánchez-Ortiz, C., J. L. Arreola-Robles, O. Aburto-Oropeza, and M. Cortés-Hernández. 1997. Peces de arrecife en la región de La Paz, B.C.S. Pp. 177-188 in J. Urbán-Ramírez and M. Ramírez-Rodríguez (eds.), *La Bahía de La Paz, investigación y conservación*. Universidad Autónoma de Baja California Sur, La Paz. 345 pp.
- Sánchez-Palafox, A., D. F. Fuentes Castellanos and D. García-Real Peñaloza (eds.). 1996. *Pesquerías Relevantes de México*. XXX Aniversario del INP, SEMARNAP, Mexico.
- Sánchez-Rodríguez, A., O. Aburto-Oropeza, B. Erisman, V. M. Jiménez-Esquivel and G. Hinojosa-Arango. 2015. Rocky reefs: Preseraving biodiversity for the benefit of the communities in the Aquarium of the World. Pp. 177-208 (Ch. 11) in, N. E. Narchi and L. L. Price (eds.), *Ethnobiology of Corals and Coral Reefs*. *Ethnobiology*, DOI 10.1007/978-3-319-23763-6
- Sánchez-Rodríguez, I., M. A. Huerta-Díaz, E. Choumaline, O. Holguen-Quñones and J. A. Zertuche-González. 2001. Elemental concentrations in different species of seaweeds from

- Loreto Bay, Baja California Sur, Mexico: implications for the geochemical control of metals in algal tissue. *Environ. Poll.* 118: 145-163.
- Sánchez-Velasco, L., M. F. Lavín, S. P. A. Jiménez-Rosenberg, J. M. Montes and P. J. Turk-Boyer. 2011. Larval fish habitats and hydrography in the Biosphere Reserve of the Upper Gulf of California. *Continental Shelf Research* 33: 89-99.
- Sánchez-Velasco, L., B. Shirasago, and M. A. Cisneros-Mata. 2000. Spatial distribution of small pelagic fish larvae in the Gulf of California and its relation to the El Niño 1997–1998. *Journal of Plankton Research* 22 (8):1611–1618.
- Sánchez-Velasco, L., M. F. Lavín, S. P. A. Jiménez-Rosenberg, J. M. Montes and P. J. Turk-Boyer. 2012. Larval fish habitats and hydrography in the Biosphere Reserve of the Upper Gulf of California (June 2008). *Continental Shelf Research*, doi:10.1016/j.csr.2011.11.009.
- Sánchez-Velasco, L., M. F. Lavín, M. Peguero-Icaza, C. León-Chávez, F. Contreras-Catala, S. G. Marinone, I. V. Gutiérrez-Palacios and V. M. Godínez. 2009. Seasonal changes in larval fish assemblages in a semi-enclosed sea (Gulf of California). *Continental Shelf Research* 29: 1697-1710.
- Sánchez-Velasco, L., M. F. Lavín, S. P. A. Jiménez-Rosenberg, V. M. Godínez, E. Santamaría-del-Angel and D. Hernández-Becerril. 2013. Three-dimensional distribution of fish larvae in a cyclonic eddy in the Gulf of California during the summer. *Deep Sea Research Part I: Oceanographic Research Papers* 75: 39-51.
- Sánchez-Velasco, L., M. F. Lavín, S. P. A. Rosenberg, J. Montes-Arechiga, P. J. Turk-Boyer. 2011. Fish spawning habitats, indicated by fish larvae, in the Biosphere Reserve of the Upper Gulf of California (June 2008). *Continental Shelf Research* DOI:10.1016/j.csr.2011.11.009f.
- Sánchez-Velasco, L., J. E. Valdez-Holguín, B. Shirasago, M. A. Cisneros-Mata, and A. Zárate. 2002. Changes in the spawning environment of *Sardinops caeruleus* in the Gulf of California during El Niño 1997–1998. *Estuarine, Coastal and Shelf Science* 54:207–217.
- Sandoval-Castillo, J. and A. Rocha-Olivares. 2011. Deep mitochondrial divergence in Baja California populations of an aquilopelagic elasmobranch: the golden cownose ray. *Journal of Heredity* 102: 269-274.
- Sandoval-Castillo, J., A. Rocha-Olivares, C. Villavicencio-Garayzar, and E. Balart. 2004. Cryptic isolation of Gulf of California shovelnose guitarfish evidenced by mitochondrial DNA. *Marine Biology* 145:983–988.
- Sankey, J. T., T. R. Van Devender and W. H. Clark. 2001. Late Holocene plants, Cataviña, Baja California. *Southwestern Naturalist* 46: 1-7.
- San Miguel, E. 2011. *Mission San Xavier. A Story of Saints and Angels, Art and Artists*. Arizona-Sonora Desert Museum Press, Tucson, AZ.
- Santamaría-del-Angel, E. and S. Álvarez-Borrego. 1994. Gulf of California biogeographic regions based on coastal zone color scanner imagery. *Journal of Geophysical Research* 99(C4): 7411-7421.
- Santamaría-del-Angel, E., S. Alvarez-Borrego, and F. E. Muller-Karger. 1994. Gulf of California biogeographic regions based on coastal zone color scanner imagery. *Journal of Geophysical Research* 99:7411–7421.
- Santamaría-del-Angel, E., S. Alvarez-Borrego, and F. E. Muller-Karger. 1994. The 1982–1984 El Niño in the Gulf of California as seen in coastal zone color scanner imagery. *Journal of Geophysical Research* 99:7423–7431.

- Santamaría-del-Angel, E., S. Alvarez-Borrego, R. Millán-Núñez and F. E. Muller-Karger. 1999. Sobre el efecto de las surgencias de verano en la biomasa fitoplanctónica del Golfo de California. *Revista de la Sociedad Mexicana de Historia Natural* 49:207–212.
- Santana-Iturríos, M. D., D. S. Palacios-Salgado and C. A. Salinas-Zavala. 2013. Abundance and distribution of lantern fishes (Myctophiformes: Myctophidae) around San Pedro Martir Island, Gulf of California, During 2008. *Latin American Journal of Aquatic Research* 41(3): 387-394.
- Sarti, L., S. A. Eckert, P. Dutton, A. Barragan, and N. Garcia. 2000. The current situation of the leatherback population on the Pacific coast of Mexico and Central America, abundance and distribution of the nestings: an update. Pp. 85–87 in H.J. Kalb and T. Wibbels (comps.), *Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation*. U.S. Department of Commerce. NOAA Tech. Memo. NMFS-SEFSC-443.
- Sarti Martínez, A. L., A. R. Barragán, D. García-Muñoz, P. Huerta, and F. Vargas. 2007. Conservation and biology of the leatherback turtle in the Mexican Pacific. *Chelonian Conservation and Biology* 6(1):70–78.
- Savage, J. M. 1960. Evolution of a peninsular herpetofauna. *Systematic Zoology* 9: 184-212.
- Sawlan, M. G., and J. G. Smith. 1984. Petrologic characteristics, age and tectonic setting of Neogene volcanic rocks in northern Baja California Sur, Mexico. Pp. 219–236 in V. A. Frizzell, Jr., (ed.), *Geology of the Baja California Peninsula, Pacific Section 39*. Society of Economic Paleontologists and Mineralogists, Los Angeles, California.
- Scammon, C. M. 1968. *The Marine Mammals of the Northwestern Coast of America*. Dover Publication, New York. 319 pp. [Originally published in 1874.]
- Scarborough, R. B. and H. W. Peirce. 1978. Late Cenozoic basins of Arizona. *New Mexico Geological Society, Guidebook*.
- Schaadt, C. P. 1989. Intraspecific comparisons of sexual and geographic variation in the growth of migratory and sedentary ospreys. Ph.D. dissert., McGill University, Montreal, Canada.
- Schaeffer, T. N., G. J. Smith, M. S. Foster, and A. Detomaso. 2002. Genetic differences between two growth-forms of *Lithophyllum margaritae* (Rhodophyta) in Baja California Sur, Mexico. *Journal of Phycology* 38 (6) (Dec):1090–1098.
- Schlanger, S. O., and C. J. Johnston. 1969. Algal banks near La Paz, Baja California—Modern analogs of source areas of transported shallow-water fossils in pre-alpine flysch deposits. *Palaeo* 6:141–157.
- Schmitt, A. K. and J. A. Vazquez. 2006. Alternation and remelting of nascent oceanic crust during continental rapture: evidence from zircon geochemistry of rhyolites and xenoliths from the Salton Trough, California. *Earth & Planetary Science Letters* 252: 260-274.
- Schöne, B. R., J. Lega, K. W. Flessa, D. H. Goodwin and D. L. Dettman. 2002. Reconstructing daily temperatures from growth rates of the intertidal bivalve mollusk *Chione cortezi* (northern Gulf of California, Mexico). *Palaeo* 184: 131-146.
- Schöne, B. R., K. W. Flessa, D. L. Dettman, and D. H. Goodwin. 2003. Upstream dams and downstream clams: growth rates of bivalve mollusks unveil impact of river management on estuarine ecosystems (Colorado River Delta, Mexico). *Estuarine, Coastal Shelf Science* 58:715–726.
- Schwartzlose, R. A., and S. Alvarez-Borrego. 2002. The history of oceanography along the Mexican Pacific coast. Pp. 167–173 in K. R. Benson and P. F. Rehbock (eds), *Oceanographic History, The Pacific and Beyond*. University of Washington Press, Seattle.

- Schwartzlose, R. A., D. Alvarez-Millán, and P. Brueggeman. 1992. *Golfo de California: Bibliografía de las Ciencias Marinas* [Gulf of California: Bibliography of Marine Sciences]. Instituto de Investigaciones Oceanológicas, Universidad Autónoma de Baja California, Ensenada, Baja California, México. 425 pp.
- Schwennicke, T., G. González-Barba, and N. DeAnda-Franco. 1996. Lower Miocene marine and fluvial beds at Rancho la Palma, Baja California Sur, Mexico. Departamento de Geología, Hermosillo, Sonora, Boletín de la Universidad de Sonora 13 (1):1–14.
- Scoffin, T. P., D. R. Stoddart, A. W. Tudhope, and C. Woodroffe. 1985. Rhodoliths and coralloliths of Muri Lagoon, Rarotonga, Cook Islands. *Coral Reefs* 4:71–80.
- Scott, M. D. and S. J. Chivers. 1990. Distribution and herd structure of bottlenose dolphins in the eastern tropical Pacific Ocean. Pp. 387–402 in S. Leatherwood and R. R. Reeves (eds.), *The Bottlenose Dolphin*. Academic Press, San Diego, California.
- Secretaría de Industria y Comercio. 1968. Programa Nacional de Mercado de Tortugas Marinas. Dirección General de Pesca e Industrias Conexas. Comisión Nacional Consultiva de Pesca. Mexico City, Mexico.
- Secretaría de Pesca. 1992. Legal Framework for Fisheries 1992. Secretaría de Pesca, México, D. F.
- Sedlock, R. L., F. Oretaga-Gutiérrez and R. C. Speed. 1993. Tectonostratigraphic terranes and tectonic evolution of Mexico. Geological Society of America, Special Paper 278. Geological society of America, Boulder, CO.
- SEDUE. 1989. Información básica sobre las Áreas Naturales Protegidas de México. Subsecretaría de Ecología-SINAP. México, D.F. pp. 18–26.
- Segovia-Zavala J. A., F. Delgadillo-Hinojosa, M. L. Lares-Reyes, M. A. Huerta-Díaz, A. Muñoz-Barbosa and E. V. Torres-Delgado. 2009. Atmospheric input and concentration of dissolved iron in the surface layer of the Gulf of California. *Cienc. Mar.* 35: 75–90.
- Segovia-Zavala J. A., F. Delgadillo-Hinojosa, M. L. Lares-Reyes, M. A. Huerta-Díaz, A. Muñoz-Barbosa, E. Santamaría-del-Ángel, E. V. Torres-Delgado and S. A. Sañudo-Wilhelmy. 2011. Vertical distribution of dissolved iron, copper, and cadmium in Ballenas Channel, Gulf of California. *Cienc. Mar.* 37: 457–469.
- SEMARNAP (Environment, Natural Resources and Fisheries Ministry). 2000. Carta Nacional Pesquera. *Diario Oficial de la Federación*, México, D.F. Monday, August 28, 2000.
- Seminoff, J. A. 1994. Conservation of the marine turtles of Mexico: A survey of nesting beach conservation projects. Master's thesis, University of Arizona, Tucson. 185 pp.
- Seminoff, J. A. 2000. The biology of the East Pacific green turtle (*Chelonia mydas agassizii*) at a warm temperate foraging area in the Gulf of California, Mexico. Ph.D. dissert., University of Arizona, Tucson. 248 pp.
- Seminoff, J. A. 2010. Sea turtles in the Gulf of California: biology, culture and conservation. Pp. 135-168 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Seminoff, J. A., J. Alvarado, C. Delgado, J. L. Lopez, And G. Hoeffler. 2002d. First Direct Evidence of Migration by an East Pacific Green Sea Turtle from Michoacán, Mexico, to A Foraging Ground on the Sonoran Coast of the Gulf of California. *Southwestern Naturalist* 47:314–316.
- Seminoff, J. A., and P. H. Dutton. 2007. Leatherback sea turtles (*Dermochelys coriacea*) in the Gulf of California: distribution, demography, and human interactions. *Chelonian Conservation and Biology* 6:137–141

- Seminoff, J. A., T. T. Jones, A. Resendiz, W. J. Nichols, and M. Y. Chaloupka. 2003. Monitoring green turtles (*Chelonia mydas*) at a coastal foraging area in Baja California, Mexico: multiple indices describe population status. *Journal of the Marine Biological Association of the United Kingdom* 83:1355–1362.
- Seminoff, J. A., S. Karl, T. Swartz, and A. Resendiz. 2003. Hybridization of the green turtle (*Chelonia mydas*) and the hawksbill turtle (*Eretmochelys imbricata*) in the Pacific Ocean: Indication of an absence of gender bias in the directionality of crosses. *Bulletin of Marine Science* 73:643–652.
- Seminoff, J. A., W. J. Nichols, A. Resendiz, and L. Brooks. 2003. Occurrence of hawksbill turtles, *Eretmochelys imbricata* (Reptilia: Cheloniidae), near the Baja California Peninsula, Mexico. *Pacific Science* 57 (1):9–16.
- Seminoff, J. A., A. Resendiz, and W. J. Nichols. 2002. Diet of east Pacific green turtles (*Chelonia mydas*) in the central Gulf of California, Mexico. *Journal of Herpetology* 36 (3):447–453.
- Seminoff, J. A., A. Resendiz, and W. J. Nichols. 2002. Home range of the green turtle (*Chelonia mydas*) at a coastal foraging ground in the Gulf of California, Mexico. *Marine Ecology Progress Series* 242:253–265.
- Seminoff, J. A., A. Resendiz, W. J. Nichols, and T. T. Jones. 2002. Growth rates of wild green turtles (*Chelonia mydas*) at a temperate foraging habitat in the Gulf of California, Mexico. *Copeia* 2002:610–617.
- Seminoff, J. A., A. Resendiz, B. Resendiz, and W. J. Nichols. 2004. Occurrence of loggerhead sea turtles (*Caretta caretta*) in the Gulf of California, Mexico: evidence of life-history variation in the Pacific Ocean. *Herpetological Review* 35:24–27.
- Setchell, W. A. 1924. The marine algae. Expedition of the California Academy of Sciences to the Gulf of California in 1921. *Proceedings California Academy of Sciences*, 4th Ser. 12: 695–949.
- Setchell, W. A., and Gardner, N.L. 1924. Expedition of the California Academy of Sciences to the Gulf of California in 1921: The marine algae. *Proceedings California Academy of Sciences*, Fourth Series, 12: 695–949.
- Sewell, A., M. Johnson, D. Backus, and J. Ledesma-Vazquez. 2007. Rhodolith detritus impounded by a coastal dune on Isla Coronados, Gulf of California. *Ciencias Marinas* 33 (4):483–494.
- Shackley, M. S. 1988. Sources of archaeological obsidian in the Southwest: an archaeological, petrological, and geochemical study. *American Antiquity* 53: 752-772.
- Shackley, M. S. 1995. Sources of archaeological obsidian in the greater American Southwest: an update and quantitative analysis. *American Antiquity* 60: 531-551.
- Shackley, M. S. and D. B. Tucker. 2001. Limited prehistoric procurement of Sand Tank obsidian, southwestern Arizona. *Kiva* 66: 345-374.
- Shafiqullah, M., P. E. Damon, D. J. Lynch, S. J. Reynolds, W. A. Rehring and R. H. Raymond. 1980. K-Ar geochronology and geologic history of southwestern Arizona and adjacent areas. Pp. 201-260 in, J. P. Jenney and C. Stone (eds.), *Arizona Geological Society Digest*, Vol. 12. 322 pp.
- Shaw, C. A. 1981. The Middle Pleistocene El Golfo local fauna from northwestern Sonora, Mexico. Master's thesis, Calif. State Univ., Long Beach, CA. 241 pp.
- Sheldon, C. 1979. *The Wilderness of Desert Bighorns and Seri Indians*. The Arizona Desert Bighorn Sheep Society, Phoenix, AZ.

- Shepard, F. P. 1950. Submarine topography of the Gulf of California, Part 3 of the 1940 E. W. Scripps cruise to the Gulf of California. Geological Society of America, Memoir 43:1–32.
- Sheppard, P. R., A. C. Comrie, G. D. Packin, K. Angersbach, and M. K. Hughes. 2002. The climate of the U.S. Southwest. *Climate Research* 21:219–238.
- Sheridan, T. E. (ed.) 1999. *Empire of Sand: The Seri Indians and the Struggle for Spanish Sonora, 1645 – 1803*. University of Arizona Press, Tucson.
- Shreve, F. 1951. Vegetation of the Sonoran Desert. Vol. 1, Vegetation. Carnegie Institution of Washington Publication No. 591.
- Shreve, F. and I. L. Wiggins. 1964. *Flora and Vegetation of the Sonoran Desert (2 vols.)*. Stanford University Press, Stanford, CA.
- Shuster, S. and L. Levy. 1999. Sex-linked inheritance of a cuticular pigmentation marker in the marine isopod, *Paracerceis sculpta* Holmes (Crustacea: Isopoda: Sphaeromatidae). *Journal of Heredity* 90(2): 304.
- Shuster, S. M. and E. M. Arnold. 2007. The effect of females on male-male competition in the isopod, *Paracerceis sculpta*: a reaction norm approach to behavioral plasticity. *Journal of Crustacean Biology* 27(3): 417-424.
- Shuster, S. M. and E. E. Guthrie. 1999. Effects of temperature and food availability on adult body length in natural and laboratory populations of *Paracerceis sculpta* (Holmes), a Gulf of California isopod. *Journal of Experimental Marine Biology and Ecology* 233(2): 269-284.
- Shuster, S. M., J. W. O. Ballard, G. Zinser, C. Sassaman and P. Keim. 2001. The influence of genetic and extrachromosomal factors on population sex ratio in the marine isopod, *Paracerceis sculpta*. Pp. 313-320 in, B. Kensley & R. C. Brusca (eds.), *Isopod systematics and evolution*. A.A. Balkema.
- Silber, G. K. and D. Fertl. 1995. Intentional beaching by bottlenose dolphins (*Tursiops truncatus*) in the Colorado River Delta, Mexico. *Aquatic Mammals* 21: 183-186.
- Silber, G. K., M. W. Newcomer, et al. 1994. Cetaceans of the northern Gulf of California: distribution, occurrence, and relative abundance. *Marine Mammal Science* 10(3): 283-298.
- Silver, L. T. and B. W. Chappell. 1988. The Peninsular Ranges batholiths; an insight into the evolution of the Cordilleran batholiths of southwestern North America. *Transactions of the Royal Society of Edinburgh* 79: 105-121.
- Simpson, J. H., A. J. Souza, and M. F. Lavín. 1994. Tidal mixing in the Gulf of California. Pp. 169–182 in K. J. Beven, P. C. Chatwin, and J. H. Millbank (eds.), *Mixing and Transport in the Environment*. John Wiley and Sons, London.
- Skelton, R. A. 1958. *Explorer's Maps*. Frederick Praeger, New York, NY.
- Slaughter, M. C., D. B. Tucker and A. Lascaux (eds.). 2000. *Trade Corridors and Ethnic Boundaries: An Archaeological Survey of 12,089 Acres Along the Growler and San Cristobal Washes on the Barry M. Goldwater Range in Southwestern Arizona*. Cultural Resource Report No. 98-181, SWCA Environmental Consultants, Tucson, AZ.
- Slevin, J. R. 1923. Expedition of the California Academy of Sciences to the Gulf of California in 1921. *Proceedings, California Academy of Sciences*, IV, 12: 55-72.
- Smith, C. I. and B. D. Farrell. 2005. Range expansions in the flightless longhorn cactus beetles, *Moneilema gigas* and *Moneilema armatum*, in response to Pleistocene climate changes. *Molecular Ecology* 14: 1025-1044.
- Smith, J. P. 1919. Climatic relations of the tertiary and quaternary faunas of the California region. *Proc. Calif. Acad. Sci.* 9: 123-173.

- Smith, J. T. 1984. Miocene and Pliocene marine mollusks and preliminary correlations, Vizcaíno Peninsula to Arroyo la Purísima, northwestern Baja California Sur, Mexico. Pp. 197–217 in V. A. Frizzell, Jr. (ed.), *Geology of the Baja California Peninsula*, Pacific Section 39. Society of Economic Paleontologists and Mineralogists, Los Angeles, California.
- Smith, J. T. 1991. Cenozoic marine mollusks and paleogeography of the Gulf of California. Pp. 447–480 in, J. T. Dauphin and R. T. Simoneit (eds.), *The Gulf and Peninsular Province of the Californias*. Association of Petroleum Geologists, Memoir 47.
- Smith, J. T., J. G. Smith, J. C. Ingle, R. G. Gastil, M. C. Boehm, J. Roldán-Quintana, and R. E. Casey. 1985. Fossil and K/Ar age constraints on upper middle Miocene conglomerate, SW isla Tiburón, Gulf of California. *Geological Society of America, Abstracts with Programs* 17 (6):409.
- Snyder-Conn, E. and R. C. Brusca. 1977. Shrimp population dynamics and fishery impact in the northern Gulf of California. *Ciencias Marinas* 1 (3):54–67.
- Sobel, J. and C. Dahlgren (eds.). 2004. *Marine Reserves: A Guide to Science, Design, and Use*. Island Press, Washington, D.C. xviii + 383 pp.
- Sokolov, V. A. and M. Wong-Rios. 1973. Investigaciones efectuadas sobre los peces pelágicos del Golfo de California (sardina, crinuda y anchoveta) en 1971. Instituto Nacional de Pesca/SI: 12. Informe Científico 2, México.
- Soria, G., M. F. Lavín, I. Martínez, and A. Macias-Duarte. 2013. Recruitment of catarina scallop (*Argopecten ventricosus*) larvae on artificial collectors off the NE coast of the Gulf of California. *Aquaculture Research*, 2012 doi:10.1111/j.1365-2109.2012.03143.
- Soria, G., M. F. Lavín and R. Cudney-Bueno. 2014. Spat availability of commercial bivalve species recruited on artificial collectors from the northern Gulf of California: Seasonal changes in species composition. *Aquaculture Research*, doi: 10.1111/are.12435 (Wiley Online Library)
- Soria, G., A. Munguía-Vega, S. G. Marinone, M. Moreno-Báez, I. Martínez-Tovar and R. Cudney-Bueno. 2012. Linking bio-oceanography and population genetics to assess larval connectivity. *Marine Ecology Progress Series* 463: 159-175.
- Soria, G., J. Tordecillas-Guillen, R. Cudney-Bueno and W. Shaw. 2010. Spawning induction, fecundity estimation, and larval culture of *Spondylus calcifer* (Carpenter, 1857) (Bivalvia: Spondylidae). *Journal of Shellfish Research* 29(1): 143-149.
- Soria, G., J. Torre-Cosio, A. Munguía-Vega, S. Guido Marione, M. F. Lavín, A. Cinti and M. Moreno-Báez. 2014. Dynamic connectivity patterns from an insular marine protected area in the Gulf of California. *Journal of Marine Systems* doi: 10:1016/j.jmarsys.2013.06.012.
- Sosa, V. J. and T. H. Fleming. 1999. Seedling performance in a trioecious cactus, *Pachycereus pringlei*: effects of maternity and paternity. *Plant Systematics and Evolution* 218(1): 145-151.
- Sotka, E. E., J. P. Wares, J. A. Barth, R. K. Grosberg and S. R. Palumbi. 2004. Strong genetic clines and geographical variation in gene flow in the rock intertidal barnacle *Balanus glandula*. *Mol. Ecol.* 13: 2143-2156.
- Soto Balderas, M. G. L. and S. Álvarez Borrego. 1991. Inorganic nutrients in the inundation channels of tidal marshes of a coastal lagoon of northwestern Baja California. *Ciencias Marinas* 17(3): 1-20.
- Soto-Mardones, L., S. G. Marinone, and A. Parés-Sierra. 1999. Time and spatial variability of sea surface temperature in the Gulf of California. *Ciencias Marinas* 25:1–30.

- Soule, J. D. 1960. The distribution and affinities of the littoral marine Bryozoa (Ectoprocta). *Systematic Zoology* 9: 100-104.
- Spencer, J. E. 1996. Uplift of the Colorado Plateau due to lithosphere attenuation during Laramide low angle subduction. *Journal of Geophysical Research* 101: 13595-13609.
- Spencer, J. E. and W. R. Normark. 1989. Neogene plate-tectonic evolution of the Baja California Sur continental margin and the southern Gulf of California, Mexico. Pp. 489-498 in, E. L. Winterer, D. M. Hussong and R. W. Decker (eds.), *The Eastern Pacific Ocean and Hawaii*. Geological Society of America, Boulder, CO.
- Spencer, J. E. and P. J. Patchett. 1997. Sr isotope evidence for a lacustrine origin for the upper Miocene to Pliocene Bouse Formation, lower Colorado River trough, and implications for timing of the Colorado Plateau uplift. *Geological Society of America Bulletin* 109: 767-778.
- Spencer, J. E. and P. A. Pearthree. 2005. Abrupt initiation of the Colorado River and initial incision of the Grand Canyon. *Arizona Geology* 35:1-4.
- Spencer, J. E. and J. W. Welty. 1986. Possible controls of base-and precious-metal mineralization associated with tertiary detachment faults in the lower Colorado River trough, Arizona and California. *Geology* 14(3): 195.
- Spicer, E. H. 1962. *Cycles of Conquest. The Impact of Spain, Mexico, and the United States on Indians of the Southwest*. University of Arizona Press, Tucson, AZ.
- Spicer, E. H. 1980. *The Yaquis: A Cultural History*. University of Arizona Press, Tucson, AZ.
- Spitzer, P. R., R. W. Risebrough, J. W. Grier, and C. R. Sindelar, Jr. 1977. Eggshell thickness-pollutant relationships among North American Ospreys. Pp. 13-19 in J. C. Ogden (ed.), *Transactions of the North American Osprey Research Conference*. DOI, National Park Service, Washington, D.C. xiii + 258 pp.
- Spotila, J. R., R. D. Reina, A. C. Steyermark, P. T. Plotkin, and F. V. Paladino. 2000. Pacific leatherback turtles face extinction. *Nature* 405:529-530.
- Springer, A. M., J. A. Estes, G. B. Van Vliet, T. M. Williams, D. F. Doak, E. M. Danner, et al. 2008. Mammal-eating killer whales, industrial whaling, and the sequential mega faunal collapse in the North Pacific Ocean: A reply to critics of Springer et al. 2003. *Marine Mammal Science* 24(2): 414-442.
- Springer, V. G. 1959. Systematics and zoogeography of the clinid fishes of the subtribe Labrisomini Hubbs. *Institute of Marine Science, University of Texas* 5:417-492.
- Squires, D. 1959. Results of the Puritan-American Museum Natural History Expedition to Western Mexico. 7. Corals and coral reefs in the Gulf of California. *Bulletin American Museum of Natural History* 118 (7):367-432.
- Squires, D., C. Janisse, J. A. Seminoff, and P. H. Dutton. In press. Fisheries mitigation in with Leatherback turtles in Baja California. In J. Bishop, S. Pagiola, and S. Wunder (eds.), *Market-based Instruments for Biodiversity Conservation*. IUCN Press, Gland, Switzerland.
- Squires, L. R. and R. A. Demetron. 1992. Paleontology of the Eocene Bateque formation, Baja California Sur, Mexico. *Contributions in Science*. No. 434. Los Angeles Natural History Museum, Los Angeles, CA. 55 pp.
- Staines-Urías, F., R. G. Douglas and D. S. Gorsline. 2009. Oceanographic variability in the southern Gulf of California over the past 400 years: Evidence from faunal and isotopic records from planktic foraminifera. *Palaeogeography, Palaeoclimatology, Palaeoecology* 284: 337-354.
- Stager, K. E. 1957. The avifauna of the Tres Marias Islands, Mexico. *Auk* 74:412-432.

- Stanley, G. M. 1962. Prehistoric lakes in the Salton Sea Basin. Geol. Soc. America, Special Paper 73: 249.
- Stanley, G. M. 1965. Deformation of Pleistocene Lake Cahuilla shoreline, Salton Basin, California. Geol. Soc. America, Special Paper 87: 165.
- Stebbins, R. C. 2003. *A Field Guide to Western Reptiles and Amphibians*. Houghton Mifflin Co., New York.
- Steely, A. N., S. U. Janecke, R. J. Dorsey and G. J. Axen. 2009. Early Pleistocene initiation of the San Felipe fault zone, SW Salton Trough, during reorganization of the San Andreas Fault System. Geol. Soc. America, Bull 121: 663-687.
- Steinbeck, J. 1951. *The Log from the Sea of Cortez*. Viking Press, New York. [Being the narrative portion of Steinbeck and Ricketts, 1941.]
- Steinbeck, J. and E. F. Ricketts. 1941. *The Sea of Cortez. A Leisurely Journal of Travel and Research*. Viking Press, New York.
- Steinmann, V. W. and R. S. Felger. 1997. The Euphorbiaceae of Sonora, Mexico. *Aliso* 16: 1-71.
- Steller, D. L. 2003. Rhodoliths in the Gulf of California: growth, demography, disturbance and effects on population dynamics of catarina scallops. Ph.D. dissert., University of California, Santa Cruz. 143 pp.
- Steller, D. L. and C. Cáceres-Martínez. 2009. Coralline algal rhodoliths enhance larval settlement and early growth of the Pacific calico scallop *Argopecten ventricosus*. *Marine Ecology Progress Series* 396: 49-60.
- Steller, D. L. and M. S. Foster. 1995. Environmental factors influencing distribution and morphology of rhodoliths in Bahía Concepción, B.C.S., México. *Journal of Experimental Marine Biology and Ecology* 194 (2):201–212.
- Steller, D. L., M. Hernandez-Ayón, R. Riosmena-Rodríguez, and A. Cabello-Pasini. 2007. Effect of temperature on photosynthesis, growth and calcification rates of the free-living coralline alga *Lithophyllum margaritae*. *Ciencias Marinas* 33 (4):441–456.
- Steller, D. L., R. Riosmena-Rodríguez, and M. S. Foster 2007. Sampling and monitoring rhodoliths. Pp. 93–97 in R. Rigby, K. Iken, and Y. Shirayama (eds.), *Handbook for Sampling Coastal Seagrasses and Macroalgae Community Biodiversity*. Kyoto University Press, Kyoto, Japan. 145 pp.
- Steller, D. L., R. Riosmena-Rodríguez, M. S. Foster, and C. A. Roberts. 2003. Rhodolith bed diversity in the Gulf of California: The importance of rhodolith structure and consequences of disturbance. *Aquatic Conservation: Marine and Freshwater Ecosystems* 13:S5-S20.
- Steneck, R. and W. Adey. 1976. The role of environment in control of morphology in *Lithophyllum congestum*, a Caribbean algal ridge builder. *Botanica Marina* XIX:435–455.
- Stephens, J. S., Jr. 1963. A revised classification of the blennioid fishes of the American family Chaenopsidae. *University of California Publications in Zoology* 68:1–165.
- Stephens, J. S., Jr., and V. G. Springer. 1971. *Neoclinus nudus*, a new scaleless clinid fish from Taiwan with a key to *Neoclinus*. *Proceedings of the Biological Society of Washington* 84 (9):65–72.
- Stepien, C. A. and R. H. Rosenblatt. 1991. Patterns of gene flow and genetic divergence in the northeastern Pacific Clinidae (Teleostei: Blennioidei), based on allozyme and morphological data. *Copeia* 1991(4): 873-896.

- Stepien, C. A., R. H. Rosenblatt, and B. A. Bargmeyer. 2001. Phylogeography of the spotted sand bass, *Paralabrax maculatofasciatus*: divergence of Gulf of California and Pacific coast populations. *Evolution* 55 (9):1852–1862.
- Sternburg, V. and E. Rodriguez. 1982. Hydrocarbons from *Pedilanthus macrocarpus* (Euphorbiaceae) of Baja California and Sonora, Mexico. *American Journal of Botany* 69: 214-218.
- Stevens, L. E., J. C. Schmidt, T. J. Ayers and B. T. Brown. 1995. Flow regulation, geomorphology, and Colorado River marsh development in the Grand Canyon, Arizona. *Ecological Applications* 5: 1025-1039.
- Stewart, J. G. 1982. Anchor species and epiphytes in intertidal algal turf. *Pacific Science* 36:45–59.
- Stewart, J. H. 1978. Basin-range structure in western North America: a review. Pp. 1-31 in, R. B. Smith and G. P. Eaton (eds.), *Cenozoic Tectonics and Regional Geophysics of the Western Cordillera*. Biological Society of America Memoir 152. Geological Society of America, Boulder, CO.
- Stewart, R. H. 1985. *Methods of Satellite Oceanography*. University of California Press, Berkeley, CA. 360 pp.
- Stock, J. M. and K. V. Hodges. 1989. Pre-Pliocene extension around the Gulf of California and the transfer of Baja California to the Pacific plate. *Tectonics* 8:99–115.
- Stokes, S., G. Kocurek, K. Pye and N. R. Winspear. 1997. New evidence for the timing of aeolian sand supply to the Algodones dunefield and East Mesa area, southeastern California, USA. *Palaeography, Palaeoclimatology, Palaeoecology* 128: 63-75.
- Stoleson, S. H., R. S. Felger, G. Ceballos, C. Raish, M. Wilson, and A. Búrquez. 2005. Recent history of natural resource use and population growth in northern Mexico. Pp. 52–86 in J.-L. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Strand, S. W. 1977. Community structure among reef fish in the Gulf of California: the use of reef space and interspecific foraging associations. Ph.D. dissert., University of California at Davis. 144 pp.
- Strand, S. W. 1988. Foraging behavior and interspecific foraging associations among Gulf of California reef fishes. *Copeia* 1988 (2):351–357.
- Streets, T. H. 1878. The discolored waters of the Gulf of California. *The American Naturalist* 12(2): 85-90.
- Stromberg, J. C. 2001. Restoration of riparian vegetation in the south-western United States: importance of flow regimes and fluvial dynamism. *Journal of Arid Environments* 49: 17-34.
- Stromberg, J. and M. K. Chew. 2002. Flood pulses and restoration of riparian vegetation in the American Southwest. Pp. 11-49 in, B. A. Middleton (ed.), *Flood Pulsing in Wetlands. Restoring the Natural Hydrological Balance*. Wiley, New York.
- Stromberg, J. and D. Patten. 1991. Flood flows and dynamics of Sonoran riparian forests. *Rivers* 2: 221-235.
- Suarez, D. L. 1983. Calcite supersaturation and precipitation kinetics in the lower Colorado River, All-American Canal and East Highline Canal. *Water Resources Research* 19(3).
- Sumner, J. 1976. Earthquakes in Arizona. Fieldnotes, Arizona Bureau of Geology and Mineral Technology 6(1): 1-5.

- Suter, M. and J. Contreras. 2002. Active tectonics of northeastern Sonora, Mexico (Southern Basin and Range Province) and the 3 May 1887 M_w 7.4 earthquake. *Bull. Seismology. Soc. America* 92(2): 581-589.
- Suárez-Bosche, N., K. Suárez-Bosche and A. M. C. Suárez. 2000. Submarine geothermal systems in Mexico. *Proceedings of the World Geothermal Congress 2000*: 3889-3893.
- Suarez-Castillo, A. N., R. Riosmena-Rodriguez, G. Hernandez-Carmona, M. Méndez-Trejo, J. M. López-Vivas, C. Sánchez-Ortiz, M. M. Lara-Uc and J. Torre-Cosío. Pp. 205-224 in, R. Riosmena-Rodriguez (ed.), *Invertebrates. Classification, Evolution and Biodiversity*. Nova Biomedical, New York.
- Suárez-Mozo, N. Y. and M. E. Hendrickx. 2016. New record for the deep-sea genus *Tripoplax* (Mollusca: Polyplacophora) in the eastern Pacific. *Marine Biodiversity Records* 9:10, doi 10.1186/s41200-016-001-z
- Sverdrup, H. U. 1941. The Gulf of California: preliminary discussion on the cruise of the E. W. Scripps in February and March 1939. 6th Pacific Science Congress, *Proceedings* 3:161-166.
- Swanton, J. R. 1953. *The Indian Tribes of North America*. Bureau of American Ethnology, Bulletin No. 145. U.S. Government Printing Office, Washington, D. C.
- Swenson, J. E. 1979. The relationship between prey species ecology and dive success in ospreys. *Auk* 96:408-412.
- Swift, C., L. T. Findley, R. A. Ellingson, K. W. Flessa and D. K. Jacobs. 2011. The delta mudsucker, *Gillichthys detrusus*, a valid species (Teleostei: Gobiidae) endemic to the Colorado River Delta, northernmost Gulf of California, Mexico. *Copeia* 2011(1): 93-102.
- Sykes, G. 1914. Geographical features of the Cahuilla Basin. Pp. 13-20 in, D. T. MacDougal, *The Salton Sea*. Carnegie Institute of Washington, Publ. No. 193.
- Sykes, G. 1937. *The Colorado Delta*. Publ. No. 460, Carnegie Institution of Washington, American Geographical Society of New York, Baltimore. 193 pp.
- Sykes, L. 1968. Seismological evidence for transform faults, sea-floor spreading and continental drift. Pp. 120-150 in R. A. Phinney (ed.), *History of the Earth's Crust, A NASA Symposium*. Princeton University Press, Princeton, NJ.
- Taylor, W. R. 1960. *Marine Algae of the Eastern Tropical and Subtropical Coasts of the Americas*. University of Michigan Press, Ann Arbor.
- Tellman, B. 2002. *Invasive Exotic Species in the Sonoran Desert*. University of Arizona Press, Tucson, AZ.
- Terry, A., G. Bucciarelli, and G. Bernardi. 2000. Restricted gene flow and incipient speciation in disjunct Pacific Ocean and Sea of Cortez populations of a reef fish species, *Girella nigricans*. *Evolution* 54:652-659.
- Tershly, B. R., L. Bourillon, L. Meltzer and J. Barnes. 1999. A survey of ecotourism on islands in northwestern México. *Environmental Conservation* 26(03): 212-217.
- Tershly, B. and D. Breese. 1991. Sightings and feeding of gray whales in the northern Gulf of California. *J. Mammalogy* 72(4): 830-831.
- Tershly, B. and D. Breese. 1994. Color preference of the island endemic lizard *Uta palmeri* in relation to rat eradication campaigns. *Southwestern Naturalist* 39(3): 295-297.
- Tershly, B. and D. Breese. 1997. The birds of San Pedro Mártir Island, Gulf of California, México. *Western Birds* 28: 96-107.
- Tershly, B. R., D. Breese, and S. Alvarez-Borrego. 1991. Increase in cetacean and seabird numbers in the Canal de Ballenas during an El Niño-Southern Oscillation event. *Marine Ecology Progress Series* 69:299-302.

- Tershy, B. R., D. Breese and D. A. Croll. 1997. Human perturbations and conservation strategies for San Pedro Mártir Island, Islas del Golfo de California Reserve, México. *Environmental Conservation* 24(3): 261-270.
- Tershy, B. R., D. Breese and D. A. Croll. 2000. Insurance eggs versus additional eggs: do brown boobies practice obligate siblicide? *The Auk* 117(3): 817-820.
- Tershy, B. R. and D. A. Croll. 2000. Parental investment, adult sex ratios, and sexual selection in a socially monogamous seabird. *Behavioral Ecology and Sociobiology* 48(1): 52-60.
- Thackery, F. A. 1953. Sand food of the Papagos. *Desert Magazine* 16(4): 22-24.
- Thayer, G. W., D. W. Engel, and K. A. Bjorndal. 1982. Evidence for short circuiting of the detritus cycle of seagrass beds by the green turtle, *Chelonia mydas*. *Journal of Experimental Marine Biology and Ecology* 62:173-183.
- Thomas, H. W. and L. G. Barnes. 1993. Discoveries of fossil whales in the Imperial Formation, Riverside County, California, and the northern extent of the Proto-Gulf of California. San Bernardino County Museum Association, Special Publication 93-1, MEQRC 1993, Ashes, Faults and Basins, pp. 34-36.
- Thomas, R. K. 1991. Papago land use west of the Papago Indian reservation, south of the Gila River, and the problem of Sand Papago Identity. Pp. 357-399 in, *Ethnology of Northwest Mexico: a Sourcebook*. Edited by R.H. McGuire. Spanish Borderlands Sourcebook No. 6. New York: Garland
- Thompson, R. W. 1968. Tidal flat sedimentation on the Colorado River delta, northwestern Gulf of California. *Bulletin of the Geological Society of America*, Memoir 107, 133 pp.
- Thompson, R. S. and K. H. Anderson. 2000. Biomes of western North America at 18,000, 6000, and 0 ¹⁴C yr BP reconstructed from pollen and packrat midden data. *Journal of Biogeography* 27: 555-584.
- Thomson, D. A. and W. H. Eger. 1966. *Guide to the Families of the Common Fishes of the Gulf of California*. University of Arizona Press, Tucson, AZ. 53 pp.
- Thomson, D. A., L. T. Findley, and A. N. Kerstitch. 1979. *Reef Fishes of the Sea of Cortez: The Rocky-Shore Fishes of the Gulf of California*. John Wiley and Sons, New York. 302 pp.
- Thomson, D. A., L. T. Findley, and A. N. Kerstitch. 2000. *Reef Fishes of the Sea of Cortez—the Rocky Shore Fishes of the Gulf of California. (rev. ed.)*. University of Texas Press, Austin, TX. 353 pp.
- Thomson, D. A. and M. R. Gilligan. 1983. The rocky-shore fishes. Pp. 98-129 in T. J. Case and M. L. Cody (eds.), *Island Biogeography in the Sea of Cortez*. University California Press, Berkeley and Los Angeles. 508 pp.
- Thomson, D. A. and M. R. Gilligan. 2002. Rocky-shore fishes. Pp. 154-180 in T. Case, M. Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Thomson, D. A. and C. E. Lehner. 1976. Resilience of a rocky-intertidal fish community in physically unstable environment. *Journal of Experimental Marine Biology and Ecology* 22:1-29.
- Thomson, D. A. and N. McKibbin. 1976. *Gulf of California Fishwatcher's Guide*. Golden Puffer Press, Tucson, AZ. 75 pp.
- Thomson, D. A. and N. McKibbin. 1978. *Peces del Golfo de California*. [Traducción de M. Mahieux.] Centro de Investigaciones Científicas y Tecnológicas, Universidad de Sonora, Hermosillo, Sonora, México. 75 pp.

- Thomson, D. A. and K. A. Muench. 1976. Influence of tides and waves on the spawning behavior of the Gulf of California grunion, *Leuresthes sardina* (Jenkins and Evermann). Bulletin of the Southern California Academy of Sciences 75:198–203.
- Thorade, H. 1909. Über die Kalifornische Meeresströmung. Annals Hydrography and Maritime Meteorology, 37:17–34, 63–76.
- Thunnell, R. C. 1998. Seasonal and annual variability in particle fluxes in the Gulf of California: A response to climate forcing. Deep-Sea Research (Part I) 45: 2059-2083.
- Thunell, R., C. Pride, E. Tappa, and F. Muller-Karger. 1993. Varve formation in the Gulf of California: Insights from time series sediment trap sampling and remote sensing. Quaternary Science Reviews 12:451–464.
- Tiburcio-Pintos, G., P. Marquez-A., J. M. Sandez-C. and J. R. Guzman-P. 2006. First nesting report of black sea turtle (*Chelonia mydas agassizii*) in Baja California Sur, Mexico. In Proceedings of the 24th Symposium in Sea Turtle Biology and Conservation. San Jose, Costa Rica. April 2004.
- Tierney, P. W. and M. E. Johnson. 2012. Stabilization role of crustose coralline algae during Late Pleistocene reef development on Isla Cerralvo, Baja California Sur (Mexico). Journal of Coastal Research 28: 244-254.
- Todd, E. S., and A. W. Ebeling. 1966. Aerial respiration in the longjaw mudsucker *Gillichthys mirabilis* (Teleostei: Gobiidae). Biological Bulletin 130:265–288.
- Tooley, R. V. 1964. *California as an Island*. Map Collector's Ser. No. 8, Durrant House, London.
- Topp, R. W. 1969. Interoceanic sea-level canal: effects on the fish faunas. Science 165:1324–1327.
- Torres-Delgado E. V., F. Delgadillo-Hinojosa, V. F. Camacho-Ibar, J. A. Segovia-Zavala, M. A. Huerta-Díaz, J. M. Hernández-Ayón and S. Galindo-Bect. 2012. Enriquecimiento superficial de nutrientes inorgánicos (NO₃, PO₄, Si(OH)₄) en la capa superficial del Canal de Ballenas-Salsipuedes en el Golfo de California. Cienc. Mar. 38.
- Torres-Orozco, E., A. Muhlia-Melo, A. Trasviña and S. Ortega-García. 2005. Variation in yellowfin tuna (*Thunnus albacares*) catches related to El Niño-Southern Oscillation events at the entrance to the Gulf of California. Fishery Bulletin 104(2): 197-203.
- Torres-Orozco, E., A. Trasviña, A. Muhlia-Melo and S. Ortega-García. 2005. Mesoscale dynamics and yellowfin tuna caches in the Mexican Pacific. Ciencias Marinas 31(4): 671-683.
- Tosdal, R. M., G. B. Haxel and J. E. Wright. 1989. Jurassic geology of the Sonoran Desert Region, southern Arizona, southeastern California, and northernmost Sonora: construction of a continental-margin magmatic arc. Arizona Geological Society Digest Vol. 17: 397-434.
- Tovar-Hernández, M. A. 2012. Capítulo VI: Tunicata. Pp: 85-104 in, A. M. Low Pfeng and E. M. Peters Recagno (eds.). *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INE-SEMARNAT. México. ISBN 978-607-95860-2-7.
- Tovar-Hernández, M. A. 2014. *Aracia sinaloae* n. sp., a new brooding, simultaneous hermaphroditic fan worm from southern Gulf of California (Polychaeta, Sabellidae). Zootaxa. 3784(4): 389–400.
- Turk-Boyer, P. J., H. N. Morzaria-Luna, I. Martinez-Tovar, C. Downton-Hoffmann and A. Munguia-Vega. 2014. Ecosystem-based fisheries management of a biological corridor along the northern Sonora coastline (NE Gulf of California). Pp. 125-154 in, F. Amezcua and B.

- Bellgraph (eds.), *Fisheries Management of Mexican and Central American Estuaries. Estuaries of the World*. Springer Science, Dordrecht, The Netherlands.
- U.S. Army Corps of Engineers, Los Angeles District. 1982. Colorado River Basin, Hoover Dam, Review of food control regulation. Final Report. Government Printing Office, Washington, D. C.
- U.S. Department of the Interior. 2013a. Historical flows below Hoover Dam. U. S. Bureau of Reclamation, Lower Colorado River Operations, Boulder City, Nevada.
www.usbr.gov/lc/riverops.html
- U.S. Department of the Interior. 2013b. Drought in the upper Colorado River Basin. U. S. Bureau of Reclamation, Lower Colorado River Operations, Boulder City, Nevada.
www.usbr.gov/lc/riverops.html
- U.S. Hydrographic Office. 1887. The West Coast of Mexico and Central America, from the Boundary Line Between the United States and Mexico to Panama, including the Gulf of California. U.S. Hydrographic Office Publication No. 84, Government Printing Office, Washington, D.C.
- Van de Kamp, P. C. 1973. Holocene continental sedimentation in the Salton Basin, California, a reconnaissance. *Bull. Geol. Soc. America* 84: 827-848.
- Villalobos-Guerrero, T. F. and L. F. Carrera-Parra. 2015. Redescription of *Alitta succinea* (Leuckart, 1847) and reinstatement of *A. acutifolia* (Ehlers, 1901) n. comb. based upon morphological and molecular data (Polychaeta: Nereididae). *Zootaxa*. 3919(1): 157–178.
- Tovar-Hernández, M. A. and H. Dean. 2014. A new gregarious sabellid worm from the Gulf of California reproduced by spontaneous fission (Polychaeta, Sabellidae). *JMBAUK*, Online First, March 18, 2014 <http://dx.doi.org/10.1017/S0025315414000186>.
- Tovar-Hernández, M. A., N. Méndez and J. Salgado-Barragán. 2009. *Branchiomma bairdi* (McIntosh, 1885): a Caribbean hermaphrodite fan worm in the south-eastern Gulf of California (Polychaeta: Sabellidae). *Marine Biological Association of the United Kingdom, Marine Biodiversity Records*, <http://www.mba.ac.uk/jmba/biodiversityrecords.php>, EISSN: 1755-2672.
- Tovar-Hernández, M. A., N. Méndez and T. F. Villalobos-Guerrero. 2009. Fouling polychaete worms from the southern Gulf of California: Sabellidae and Serpulidae. *Systematics and Biodiversity*. 7(3): 1-18.
- Tovar-Hernández, M. A., E. Suárez-Morales and B. Yáñez-Rivera. 2010. The parasitic copepod *Haplostomides hawaiiensis* (Cyclopoida) from the invasive ascidian *Polyclinum constellatum* in the southern Gulf of California. *Bulletin of Marine Science*. 86(3): 637-648.
- Tovar-Hernández, M. A., T. F. Villalobos-Guerrero, B. Yáñez-Rivera, J. M. Aguilar-Camacho and I. D. Ramírez-Santana. 2012. Guía de invertebrados acuáticos exóticos en Sinaloa. Geomare, A. C., USFWS, INE-SEMARNAT. Mazatlán, Sinaloa, México. 41 pp.
- Tovar-Hernández, M. A. and B. Yáñez-Rivera. 2012. Capítulo IX: Ficha técnica y análisis de riesgo de *Branchiomma bairdi* (McIntosh, 1885) (Polychaeta: Sabellidae). Pp. 167-190 in, A. M. Low Pfeng and E. M. Peters Recagno (eds.). *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INE-SEMARNAT. México. ISBN 978-607-95860-2-7.
- Tovar-Hernández, M. A. & Yáñez-Rivera, B. 2012. Capítulo XI: Ficha técnica y análisis de riesgo de *Terebrasabella heterouncinata* Fitzhugh & Rouse, 1999 (Polychaeta: Sabellidae). Pp: 215-235 in, A. M. Low Pfeng and E. M. Peters Recagno (eds.). *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INE-SEMARNAT. México. ISBN 978-607-95860-2-7.

- Tovar-Hernández, M. A., B. Yáñez-Rivera and J. L. Bortolini-Rosales. 2011. Reproduction of the invasive fan worm *Branchiomma bairdi* (Polychaeta: Sabellidae). *Marine Biology Research* 7(7): 710-718.
- Tovar-Hernández, M.A., B. Yáñez-Rivera, S. Rendón-Rodríguez and N. Méndez, N. 2010. Poliquetos y especies introducidas en México. *Biodiversitas*. 92: 1-5.
- Tovar-Hernández, M.A., B. Yáñez-Rivera, T.F. Villalobos-Guerrero, J.M. Aguilar-Camacho & I.D. Ramírez-Santana. 2014. Invertebrados marinos exóticos en el Golfo de California. Pp 383-411, in A. M. Low Pfeng and E. M. Peters Recagno (eds.). *Invertebrados Marinos Exóticos en el Pacífico Mexicano*. Geomare, A. C., INE-SEMARNAT. México. ISBN 978-607-95860-2-7.
- Tovar Lee, N., S. Lluch Cota and J. I. Urciaga García. 2015. Subdesarrollo en las localidades pesqueras del municipio de La Paz, Baja California Sur. *Región y Sociedad* 63: 127-154.
- Townsend, C. H. 1916. Scientific results of the expedition to the Gulf of California in charge of C. H. Townsend, by the U. S. Fisheries Steam-ship 'Albatross' in 1911, Commander G. H. Burrage, U.S.N., Commanding. I. Voyage of the 'Albatross' to the Gulf of California in 1911. *Bulletin of the American Museum of Natural History* 35:399-476.
- Townsend, C. H. 1935. The distribution of certain whales as shown by the logbook records of American whale ships. *Zoologica* 19: 1-50.
- Trasviñ Castro, A., O. A. Oropeza, E. Ezcurra and O. Zaytsev. 2012. Observaciones de Corrientes en el Parque Nacional de Cabo Pulmo, Baja California Sur: mediciones Eulerianas en verano, otoño e inicios del invierno. *GEOS* 32(2): 323-341.
- Trip-Valdez, A., F. Galván-Magaña and S. Ortega-García. 2014. Food sources of common dolphinfish (*Coryphaena hippurus*) based on stomach content and stable isotopes analyses. *J. Mar. Biol. Assoc. United Kingdom*, doi: 10.1017/S00253154140018412
- True, C. D., A. S. Loera and N.C. Castro. 1997. Acquisition of broodstock of *Totoaba macdonaldi*: field handling, decompression, and prophylaxis of an endangered species. *Progressive Fish Culturist* 59: 246-248.
- Trujano-Alvarez, A. L. and S. T. Álvarez-Castañeda. 2007. Taxonomic revision of *Thomomys bottae* in the Baja California Sur lowlands. *Journal of Mammalogy* 88: 343-350.
- Trujillo-Millán, O., J. De la Cruz-Agüero, and J. F. Elorduy-Garay. 2006. First reported records of the *Prionurus laticlavus* (Perciformes: Acanthuridae) from the Gulf of California. *Bulletin of Marine Science* 78:393-395.
- Turk-Boyer, P., H. N. Morzaria-Luna, I. Martínez-Tovar, C. Downton-Hoffmann and A. Munguia-Vega. 2014. Ecosystem-based fisheries management of a biological corridor along the northern Sonora coastline (NE Gulf of California). Pp. 125-154 in, F. Amezcua and B. Bellgraph (eds.), *Fisheries Management of Mexican and Central American Estuaries*, Spring Science.
- Turner, R. M., J. E. Bowers, and T. L. Burgess. 1995. *Sonoran Desert Plants: an Ecological Atlas*. University of Arizona Press, Tucson, AZ.
- Turner-Tomaszewicz, C. and J. A. Seminoff. 2011. Turning off the heat: impacts of power plant decommissioning on green turtle research in San Diego Bay. *Coastal Management* 40(1): 73-87.
- Ulate, K., C. Sánchez, A. Sánchez-Rodríguez, D. Alonso, O. Aburto-Oropeza and L. Huato-Soberanis. Latitudinal regionalization of epibenthic macroinvertebrate communities on rocky reefs in the Gulf of California. *Marine Biology Research*, doi.org/10.1080/17451000.2016.1143105.

- Umhoefer, P. J. 2011. Why did the Southern Gulf of California rupture so rapidly? Oblique divergence across hot, weak lithosphere along a tectonically active margin. *GSA Today*, 21: 1-8.
- Umhoefer, P. J., R. J. Dorsey and P. Renne. 1994. Tectonics of the Pliocene Loreto Basin, Baja California Sur, Mexico, and the evolution of the Gulf of California. *Geology* 22: 649-652.
- Umhoefer, P.J., R. J. Dorsey, S. Willsey, L. Mayer and P. Renne. 2001. Stratigraphy and geochronology of the Comondú Group near Loreto, Baja California Sur, Mexico. *Sedimentary Geology* 144:125-147.
- Umhoefer, P.J., L. Mayer and R. J. Dorsey. 2002. Evolution of the margin of the Gulf of California near Loreto, Baja California peninsula, Mexico. *GSA Bulletin* 114: 849-868.
- Umhoefer, P.J., T. Schwenicke, M. T. Del Margo, G. Ruiz-Geraldo, J. C. Ingle, Jr. and W. McIntosh. 2007. Transtensional fault-termination basins: an important basin type illustrated by the Pliocene San Jose Island basin and related basins in the southern Gulf of California, Mexico. *Basin Research* 19: 297-322.
- Umhoefer, P. J., J. Stock and A. Martin. 1996. Tectonic evolution of the Gulf of California and its margins. *GSA Today* 6: 16-17.
- Underwood, J. G., C. J. Hernandez-Camacho, D. Auriolles-Gamboa and L. R. Gerber. 2008. Estimating sustainable bycatch rates for California sea lion populations in the Gulf of California. *Conservation Biology* 22(3): 701-710.
- Upton, D. E. and R. W. Murphy. 1997. Phylogeny of the sideblotched lizards (Phrynosomatidae: *Uta*) based on mtDNA sequences: support for a midpeninsular seaway in Baja California. *Molecular Phylogenetics and Evolution* 8:104–113.
- Urbán R., J. 1983. Taxonomía y distribución de los géneros *Tursiops*, *Delphinus* y *Stenella* en las aguas adyacentes a Sinaloa y Nayarit, México (Cetacea: Delphinidae). Tesis profesional, Facultad de Ciencias, Universidad Nacional Autónoma de México, México, D.F.
- Urbán R., J. 1993. Varamiento y rescate de calderones de aletas cortas, *Globicephala macrorhynchus*, en la Bahía de La Paz, B.C.S. *Rev. Inv. Cient. Vol. 1 (No. Especial SOMEMMA 1):59–67*.
- Urbán R., J. 2000. Familia Balaenopteridae. Pp. 661–683 in S. T. Alvarez-Castañeda and J. L. Patton (eds.), *Mamíferos del noroeste de México II*. Centro de Investigaciones Biológicas del Noroeste, S.C. 873 pp.
- Urbán, R., J. 2010. Marine mammals of the Gulf of California: an overview of diversity and conservation status. Pp. 188-209 in, R. Brusca (ed.), *The Gulf of California. Biodiversity and Conservation*. University of Arizona Press, Tucson, AZ.
- Urbán R., J., C. Alvarez F., M. Salinas Z., J. Jacobsen, K. C. Balcomb III, A. Jaramillo L., P. Ladrón de Guevara P., and A. Aguayo L. 1999. Population size of humpback whale, *Megaptera novaeangliae*, in waters off the Pacific coast of Mexico. *Fishery Bulletin* 97 (4):1017–1024.
- Urbán R., J. and D. Auriolles G. 1992. First record of the pygmy beaked whale, *Mesoplodon peruvianus*, in the North Pacific. *Marine Mammal Science*, 8(4):420–425.
- Urbán R., J., G. Cárdenas-Hinojosa, A. Gómez-Gallardo, U. González-Peral and R. L. Brownell, Jr. In press. Mass stranding of Baird’s beaked whales at San Jose Island, Gulf of California, Mexico. *The Latin American Journal of Aquatic Mammals*.
- Urbán R., J. and S. Flores R. 1996. A note on Bryde’s whales (*Balaenoptera edeni*) in the Gulf of California, Mexico. *Report of the International Whaling Commission* 46:453–457.

- Urbán R., J., A. Gómez-Gallardo U., and S. Ludwig. 2003. Abundance and mortality of gray whales at Laguna San Ignacio, Mexico, during the 1997–98 El Niño and the 1998–99 La Niña. *Geofísica Internacional* 42 (3):439–446.
- Urbán R., J., A. Gómez Gallardo U., M. Palmeros R., and G. Velazquez. 1997. Los mamíferos marinos de la Bahía de La Paz. Pp. 193–217 in J. Urbán R. and M. Ramírez R. (eds.), *La Bahía de La Paz, Investigación y Conservación*. UABCS, CICIMAR, SCRIPPS. 327 pp.
- Urbán R., J., U. González-Peral, G. Cárdenas-Hinojosa, and L. Rojas-Bracho. 2007. Informe para la Comisión para la Cooperación Ambiental del Plan de Acción de América del Norte para la Conservación de la Ballena Jorobada. Unpublished. Comisión para la Cooperación Ambiental del tratado de Libre Comercio. UABCS. 35 pp.
- Urbán R., J., A. Jaramillo L., A. Aguayo L., P. Ladrón de Guevara P., M. Salinas Z., C. Alvarez F., L. Medrano G., J. K. Jacobsen, K. C. Balcomb III, D. E. Claridge, J. Calambokidis, G. H. Steiger, J. Straley, O. vonZiegesar, J. M. Wite, S. Miszroch, M. E. Dahlheim, J. D. Darling, and C. S. Baker. 2000. Migratory destinations of humpback whales wintering in the Mexican Pacific. *Journal of Cetacean Research and Management* 2 (2):101–110.
- Urbán R., J. and H. Pérez-Cortés M. 2000. Familia Ziphiidae. Pp. 643–653 in S. T. Alvarez-Castañeda and J. L. Patton (eds.), *Mamíferos del noroeste de México II*. Centro de Investigaciones Biológicas del Noroeste, S.C.
- Urbán R., J., S. Ramírez, and J. C. Salinas V. 1994. First record of the bottlenose whale *Hyperoodon* sp. in the Gulf of California. *Marine Mammal Science* (10)471–473.
- Urbán R., J. and L. Rojas B. 1999. Los programas de conservación de mamíferos marinos. Pp. 541–573 in Ma del C. Rodríguez H. and C. Hernández F. (eds), *Océanos ¿Fuente inagotable de recursos?* Programa Universitario del Medio Ambiente, UNAM-SEMARNAP. 589 pp.
- Urbán R., J., L. Rojas-Bracho, M. Guerrero-Ruíz, A. Jaramillo-Legorreta, and L. T. Findley. 2005. Cetacean diversity and conservation in the Gulf of California. Pp. 276–297 in J. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Urbán R., J., L. Rojas-Bracho, H. Pérez-Cortés, A. Gómez-Gallardo, S. L. Swartz, S. Ludwig, and R. L. Brownell Jr. 2003. A review of gray whales on their wintering grounds in Mexican waters. *Journal of Cetacean Research and Management*. 5 (3):281–295.
- Urbano, B., M. E. Hendrickx, B. E. Mejía-Mercado and A. Hinojosa-Corona. 2014. Registro de especies de cefalópodos (Mollusca: Cephalopoda). Pp. 167-175 in, B. E. M. Mercado, A. H. Corona and M. E. Hendrickx, *Explorando el Mar Profundo del Golfo de California, 2008-2014*. CICESE, Ensenada, Mexico.
- U.S. Army Corps of Engineers, Los Angeles District. 1982. Colorado River Basin, Hoover Dam, Review of food control regulation. Final Report. Government Printing Office, Washington, D. C.
- U.S. Bureau of Reclamation. 1998. Lower Colorado River Accounting System Demonstration of Technology Calendar Year 1998. Lower Colorado Regional Office, Boulder City, NV. 48 pp, plus attachments.
- U.S. Department of the Interior. 2013a. Historical flows below Hoover Dam. U. S. Bureau of Reclamation, Lower Colorado River Operations, Boulder City, Nevada.
www.usbr.gov/lc/riverops.html
- U.S. Department of the Interior. 2013b. Drought in the upper Colorado River Basin. U. S. Bureau of Reclamation, Lower Colorado River Operations, Boulder City, Nevada.
www.usbr.gov/lc/riverops.html

- Valdés, A. and H. Bertsch. 2010. Two new species of dorid nudibranchs from the Gulf of California (Mar de Cortés), Baja California, Mexico. *Spixiana* 33(1): 1-11.
- Valdés-Casillas, C., O. Hinojosa-Huerta, M. Muñoz-Viveros, F. Zamora-Arroyo, Y. Carrillo-Guerrero, S. Delgado-García, M. López-Camacho, E. P. Glenn, J. García, J. Riley, D. Baumgartner, M. Briggs, C. T. Lee, E. Chavarria-Correa, C. Congdon and D. Luecke. 1998. Information database and local outreach program for the restoration of the Hardy River Wetlands, Lower Colorado River delta, Baja California and Sonora, Mexico. Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Guaymas, Sonora, Mexico. 102 pp.
- Valdez-Muñoz, C., E. A. Aragón-Noriega, A. Ortega-Rubio, C. A. Salinas-Zavala, J. A. Arreola-Lizarraga, S. Hernández-Vázquez and L. F. Beltrán-Morales. 2010. Distribución y abundancia de juveniles de totoaba, *Totoaba macdonaldi*, y la salinidad del hábitat de crianza. *Interciencia* 35 (2), 136–139
- Valdez-Holguín J. E., S. Álvarez-Borrego and C. C. Trees. 1999. Seasonal and spatial characterization of the Gulf of California phytoplankton photosynthetic parameters. *Cienc. Mar.* 25: 445-467.
- Valdez-Holguín, J. E., G. Gaxiola-Castro and R. Cervantes-Durarte. 1995. Primary productivity in the Gulf of California, calculated from the relationship between superficial irradiance and chlorophyll in the euphotic zone. *Ciencias Marinas* 21(3): 311-329.
- Valenzuela-Quiñónez, F., F. Arreguín-Sánchez, S. Salas-Márquez, F. J. García-de León, J. C. Garza, M. J. Román-Rodríguez and J. A. de Anda-Montañez. 2015. Critically endangered totoaba *Totoaba macdonaldi*: Signs of recovery and potential threats after a population collapse. *Endangered Species Research* 29: 1-11.
- Valenzuela-Quiñónez, F., J. C. Garza, J. A. De Anda-Montañez and F. J. García de-León. 2014. Inferring past demographic changes in a critically endangered marine fish after fishery collapse. *ICES Journal of Marine Science* 71: 1619-1628.
- Valenzuela-Quiñónez, W., E. A. Aragón-Noriega, J. A. Arréola-Lizarraga, C. A. Salinas-Zavala, S. E. Lluch-Cota and S. Hernández-Vázquez. 2006. Habitat use for growth and recruitment of the Pacific yellowleg shrimp, *Farfantepenaeus californiensis* (Decapoda, Penaeidae) on the continental shelf and adjacent Laguna Agiabampo, Mexico. *Crustaceana* 78(8): 933-948.
- van Andel, T. H. and G. G. Shor, Jr. 1964. *Marine Geology of the Gulf of California*. Memoir 3, American Association of Petroleum Geologists, Tulsa, OK.
- van der Heiden, A. M. 1985. Taxonomía, biología y evaluación de la ictiofauna demersal del Golfo de California. Pp. 149–200 in A. Yáñez-Arancibia (ed.), *Recursos Pesqueros Potenciales de México: La Pesca Acompañante del Camarón*. Programa Universitario de Alimentos, Instituto de Ciencias del Mar y Limnología, y el Instituto Nacional de la Pesca. Universidad Nacional Autónoma de México, México, D.F.
- van der Heiden, A. M. and L. T. Findley. 1990. Lista de los peces marinos del sur de Sinaloa, México. *Anales del Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México* 15 [for 1988] (2):209–223.
- van der Heiden, A. M. and H. G. Plascencia-González. 2005. *Etropus ciadi*, a new endemic flatfish from the Gulf of California, Mexico (Pleuronectiformes: Paralichthyidae). *Copeia* 2005 (3):470–478.
- van der Heiden, A. M., H. G. Plascencia-González, and S. Mussot-Pérez. 1986. Aportaciones al conocimiento de la ictiofauna demersal del Golfo de California. Pp. 328–339 in *Memorias*

- del I Intercambio Académico sobre las Investigaciones en el Mar de Cortes. DICTUS-Universidad de Sonora/CONACyT, Hermosillo, Sonora, Mexico.
- Vandersande, M. W., E. P. Glenn, et al. 2001. Tolerance of five riparian plants from the lower Colorado River to salinity drought and inundation. *Journal of Arid Environments* 49(1): 147-159.
- Vanderplank, S., B. T. Wilder and E. Ezcurra. 2014. Uncovering the Dryland Biodiversity of the Cabo Pulmo Region. Botanical Research Institute of Texas and Next Generation Sonoran Desert Researchers, 108 pp.
- Van Devender, T. R., T. L. Burgess, R. S. Felger and R. M. Turner. 1990. Holocene vegetation of the Hornaday Mountains of northwest Sonora, Mexico. *Proc. San Diego Soc. Nat. Hist.* 2: 1-19
- Van Devender, T. R. 2002. Environmental history of the Sonoran Desert. Pp. 2-24 in, T. H. Fleming and A. Valiente-Banuet, *Columnar Cacti and Their Mutualists: Evolution, Ecology and Conservation*. University of Arizona Press, Tucson, AZ.
- Van Devender, T. R., T. L. Burgess, J. C. Piper and R. M. Turner. 1994. Paleoclimatic implications of Holocene plant remains from the Sierra Bacha, Sonora, Mexico. *Quaternary Research* 41: 99-108.
- van Gelder, R. G. 1960. Results of the Puritan-American Museum of Natural History Expedition to western Mexico, 10: Marine mammals from the coasts of Baja California and the Tres Marias Islands, Mexico. *American Museum Novitates* 1992:1-27.
- van Heijst, M., G. Postma, et al. 2001. Quantitative analogue flume-model study of river-shelf systems: principles and verification exemplified by the Late Quaternary Colorado river-delta evolution. *Basin Research* 13(3): 243-268.
- Van Rossem, A. J. 1932. The avifauna of Tiburón Island, Sonora, Mexico, with descriptions of four new races. *Transactions of the San Diego Society of Natural History* 7:110-150.
- van Soest, R. W. M., K. L. Kaiser, and R. Van Syoc. 2011. Sponges from Clipperton Island, East Pacific. *Zootaxa* 2839: 1-46.
- Van Syoc, R. J. 1992. Living and fossil populations of a western Atlantic barnacle, *Balanus subalbidus* Henry, 1974, in the Gulf of California Region. *Proceedings, San Diego Society Natural History* 12:9-27.
- Van Voorhies, W. 1996. Bergmann size clines: a simple explanation for their occurrence in ectotherms. *Evolution* 50:1259.
- Varela-Romero, A. 1990. Aspectos tróficos de las mojarras (Pisces: Gerreidae) en tres sistemas costeros de Sonora. Tesis profesional [bachelor's thesis], Universidad Autónoma de Baja California Sur, La Paz. 66 pp.
- Varela-Romero, A., G. Ruiz-Campos, L. M. Yepiz-Velazquez and J. Alaníz-García. 2002. Distribution, habitat and conservation status of desert pupfish (*Cyprinodon macularius*) in the Lower Colorado River Basin, Mexico. *Reviews in Fish Biology and Fisheries* 12: 157-165.
- Vazquez-Elizondo, R. M. 2005. Revaluación taxonómica de *Lithophyllum bracchiatum* (Heydrich) ME. Lemoine (Rhodophyta:Corallinales) para el suroeste del Golfo de California. Tesis de Licenciatura, Universidad de Baja California Sur, México. 52 pp.
- Vega C, and J. L. Carballo. 2003. Diversidad y abundancia de los crustáceos asociados a la esponja *Mycale parishii* (Bowerbank, 1875) en la bahía de Mazatlán (México, Pacífico Oriental). Pp. 153-164 in, M. E. Hendrickx (ed.), *Contribuciones al estudio de los crustaceos del Pacífico este, Vol. 2*. ICML-UNAM.

- Velarde, E. 1999. Breeding biology of Heermann's Gulls on Isla Rasa, Gulf of California, México. *The Auk* 116(2): 513-519.
- Velarde, E., and D. W. Anderson. 1994. Conservation and management of seabird islands in the Gulf of California. Setbacks and successes. In D. N. Nettleship, J. Burger, and M. Gachfeld. *Seabirds on Islands: threats, case studies and Action Plans*. Birdlife Conservation Series No. 1, Bird Life International, Cambridge, U.K.
- Velarde, E., J.-L. E. Cartron, H. Drummond, D. W. Anderson, F. Rebón Gallardo, E. Palacios, and C. Rodríguez. 2005. Nesting seabirds of the Gulf of California's offshore islands. Pp. 452–470 in J.-L. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, New York.
- Velarde, E. and E. Ezcurra. 2002. Breeding dynamics of Heermann's Gulls. Pp. 313–325 in T. Case, M. Cody, and E. Ezcurra (eds.), *A New Island Biogeography of the Sea of Cortés*. Oxford University Press, New York.
- Velarde, E., E. Ezcurra and D. W. Anderson. 2013. Seabird diets provide early warning of sardine fishery declines in the Gulf of California. *Scientific Reports* 3:1332. doi:10.1038/srep01332
- Velarde, E., E. Ezcurra and D. W. Anderson. 2014. Seabird diet predicts following-season commercial catch of Gulf of California Pacific Sardine and Northern Anchovy. *Journal of Marine Systems*. doi: 10.1016/j.jmarsys.2014.08.014
- Velarde, E., E. Ezcurra, M. A. Cisneros-Mata, and M. F. Lavín. 2004. Seabird ecology, El Niño anomalies, and prediction of sardine fisheries in the Gulf of California. *Ecological Applications* 14 (2):607–615.
- Velarde, E., C. J. Navarro, E. A. Ruiz and A. Aguilar. 2011. The status of craveri's murrelet (*Synthliboramphus craveri*) and reoccupation of a former nesting area. *Marine Ornithology* 39: 269–273.
- Velarde, E., M. Tordesillas, L. Vieyra and R. Esquivel. 1994. Seabirds as indicators of important fish populations in the Gulf of California. California Cooperative Oceanic Fisheries Investigation Report 35: 137-143.
- van Soest, R., J. H. Carballo and J. Hooper. 2012. Polyaxone monaxonids: Revision of raspailiid sponges with polyactine megascleres (*Cyamon* and *Trikentrion*). *ZooKeys* 239: 1–70.
- Venegas, Miguel. 1757. *Noticia de la California y su conquista*, 3 vol., Madrid (edited in 1979 as *Obras Californianas*, 5 tomes, Universidad Autónoma de Baja California; México, D.F.
- Vennum, T. 2000. Locating the Seri on the musical map of Indian North America. *Journal of the Southwest* 42:635-760.
- Vernon, E. W. 2002. *Las Misiones Antiguas. The Spanish Missions of Baja California, 1683-1855*. Viejo Press, Santa Barbara, CA.
- Victor, B. C. and G. M. Wellington. 2000. Endemism and the pelagic larval duration of reef fishes in the eastern Pacific Ocean. *Marine Ecology Progress Series* 205:241–248.
- Vidal, O. 1993. Aquatic mammal conservation in Latin America: problems and perspectives. *Conservation Biology* 7:788.
- Vidal, O. 1995. Population biology and incidental mortality of the vaquita, *Phocoena sinus*. Reports of the International Whaling Commission, Special Issue 16:247–272.
- Vidal, O. 2016. Salvar a la Vaquita. La última oportunidad. World Wildlife Fund-Mexico, Información en Movimiento, 3/3/16.

- Vidal, O., R. L. Brownell Jr., and L. T. Findley. 1999. Vaquita, *Phocoena sinus* Norris and McFarland, 1958. Pp. 357–378 in S. H. Ridgway and R. Harrison (eds.), *Handbook of Marine Mammals, Vol. 6: The Second Book of Dolphins and the Porpoises*. Academic Press, San Diego. 486 pp.
- Vidal, O., L. T. Findley, and S. Leatherwood. 1993. Annotated checklist of the marine mammals of the Gulf of California. *Proceedings of the San Diego Society of Natural History* 28:1–16.
- Vidal, O., L. T. Findley, P. J. Turk, and R. E. Boyer. 1987. Recent records of pygmy sperm whales in the Gulf of California, Mexico. *Marine Mammal Science* 3:354–356.
- Vidal, O., and J.-P. Gallo-Reynoso. 1996. Die-offs of marine mammals and sea birds in the Gulf of California, Mexico. *Marine Mammal Science* 12:627–635.
- Vidal, O., J. López-García and E. Rendón-Salinas. 2013. Trends in deforestation and forest degradation after a decade of monitoring in the Monarch Butterfly Biosphere Reserve in Mexico. *Conservation Biology* 28(1): 17-186.
- Vidal, O. and E. Rendón-Salinas. 2014. Dynamics and trends of overwintering colonies of the monarch butterfly in Mexico. *Biological Conservation* 180: 165-175.
- Vidal, O., K. V. Waerebeek, and L. T. Findley. 1994. Cetaceans and gillnet fisheries in Mexico, Central America and the Wider Caribbean: a preliminary review. Pp. 221–233 in W. F. Perrin, G. P. Donovan, and J. Barlow (eds.), *Gillnets and Cetaceans*. Reports of the International Whaling Commission, Special Issue 15. Cambridge, U.K.
- Viesca-Lobatón, C. 2003. Cambios temporales en la estructura de la comunidad de peces de arrecifes rocosos en la parte sur-occidental del Golfo de California. Tesis de licenciatura [bachelor's thesis], Universidad Autónoma de Baja California Sur, La Paz. 75 pp.
- Viesca-Lobatón, C., E. F. Balart, A. González-Cabello, I. Mascareñas-Osorio, O. Aburto-Oropeza, H. Reyes-Bonilla, and E. Torreblanca. Forthcoming. Los peces arrecifales. In Danemann, G., and E. Ezcurra (eds.), *Bahía de los Ángeles: Recursos Naturales y Comunidad. Línea Base 2005*. Pronatura Noroeste, Instituto Nacional de Ecología, and San Diego Natural History Museum.
- Villalobos, H., F. Manini-Ramos, C. Salinas-Zavala and P. Brehmer. 2013. Jumbo squid (*Dosidicus gigas*) *in situ* target strength measurements in northwest Mexico. IEE/OES RIO Acoustics, 978-1-4799-0362-7/13/\$31.00.
- Villalobos-Guerrero, T. F. 2012. Capítulo VIII: Ficha técnica y análisis de riesgo de *Alitta succinea* (Leuckart, 1847) (Polychaeta: Nereididae). Pp: 131-165 in, A. Low-Pfeng and E. M. Peters Recagno (eds.). *Invertebrados exóticos en el Pacífico Mexicano*. Geomare, A.C., INE-SEMARNAT. México, D.F.
- Villalobos-Guerrero, T. F. and L. F. Carrera-Parra. 2015. Redescription of *Alitta succinea* (Leuckart, 1847) and reinstatement of *A. acutifolia* (Ehlers, 1901) n. comb. Based upon morphological and molecular data (Polychaeta: Nereididae). *Zootaxa* 3919: 151-178.
- Villalobos-Guerrero, T. F. and L. H. Harris. 2012. *Oxydromus* Grube, 1855 reinstated over *Ophiidromus* Sars, 1862 (Polychaeta, Hesionidae). *ZooKeys* 241: 21-31.
- Villalobos-Guerrero, T. F. and I. C. Molina-Acevedo. 2014. Lista de especies y estado del conocimiento de los poliquetos (Annelida: Polychaeta) de Sinaloa, Golfo de California. *Boletín del Instituto Oceanográfico de Venezuela*. 53(1): 79-109.
- Villalobos-Guerrero, T. F. and M. A. Tovar-Hernández. 2013. Una especie nueva de *Pseudonereis* (Polychaeta: Nereididae) de Mazatlán (Golfo de California), incluyendo una clave para las especies del mundo. *Revista Mexicana de Biodiversidad*. 84(3): 774-781.

- Villalobos-Guerrero, T. F. and M. A. Tovar-Hernández. 2014. Poliquetos errantes (Polychaeta: Errantia) esclerobiontes del puerto de Mazatlán, Sinaloa (México). *Boletín de Investigaciones Marinas y Costeras* 43(1): 43-87.
- Villalobos-Guerrero, T. F., B. Yáñez-Rivera and M. A. Tovar-Hernández. 2012. Capítulo IV: Polychaeta. Pp: 45-66 in, A. Low-Pfeng and E. M. Peters Recagno (eds.), *Invertebrados Exóticos en el Pacífico Mexicano*. Geomare, A.C., INE-SEMARNAT. México, D.F.
- Villarreal, A. 1988. Distribución y abundancia de los peces del arrecife de Cabo Pulmo-Los Frailes, B. C. S. Tesis de licenciatura [bachelor's thesis], Universidad Autónoma de Baja California Sur, La Paz. 227 pp.
- Villarreal-Cavazos, A., H. Reyes-Bonilla, B. Bermúdez-Almada and O. Arizpe-Covarrubias. 2000. Los peces del arrecife de Cabo Pulmo, Golfo de California, México: lista sistemática y aspectos de abundancia y biogeografía. *Revista Biología Tropical* 48: 413-424.
- Villavicencio-Garayzar, C. J. 1996. Observaciones sobre *Carcharhinus obscurus* (Pices: Carcharhinidae) en el Pacífico nororiental. *Revista de Biología Tropical* 44 (1):287-289.
- Vizziano, D., F. Forni, G. Saona and W. Norbis. 2002. Reproduction of *Micropogonias furnieri* in a shallow temperate coastal lagoon in the southern Atlantic. *Journal of Fish Biology* 61(sA): 196-206.
- Vuturo, S. and S. M. Shuster. 2000. Evidence of simultaneous hermaphroditism with a protandrous phase in the commensal polychaete, *Ophiodromus pugettensis*. *Journal of the Arizona-Nevada Academy of Science* 35(7).
- Vuturo, S. A. and S. M. Shuster. 2001. Sex change and cannibalism in populations of a commensal polychaete. *Journal of the Arizona-Nevada Academy of Science* 36: 9-10.
- Vuturo, S. A. and S. M. Shuster. 2003. Is *Ophiodromus pugettensis* androdioecious? *Journal of the Arizona-Nevada Academy of Science* 38: 58-59.
- Wagner, H. R. 1924. Voyage of Francisco de Ulloa. *California Historical Society Quarterly* 111: 307-383.
- Wagner, H. R. 1929. *Spanish Voyages to the Northwest Coast of America in the Sixteenth Century*. California Historical Society, San Francisco.
- Wagner, H. R. 1930. Pearl fishing enterprises in the Gulf of California. *Hispanic American Historical Review* 10(2): 188-220.
- Wagner, H. R. 1937. *The Cartography of the Northwest Coast of America to the year 1800*. 2 vols. University of California Press, Berkeley, CA.
- Wagner, H. W. 1924. The voyage of Francisco de Ulloa. *California Historical Society Quarterly* 3(4): 307-383.
- Wake, E. 2010. *Farming the Sacred: The Indian Churches of Early Colonial Mexico*. University of Oklahoma Press, Norman, OK.
- Walker, B. W. 1960. The distribution and affinities of the marine fish fauna of the Gulf of California. *Systematic Zoology* 9 (3-4):123-133.
- Walker, L. W. 1951. Sea birds of Isla Raza. *National Geographic* 99:239-248.
- Walker, L. W. 1965. Baja's island of birds. *Pacific Discovery* 18:27-31.
- Walker, L. W. 1981. Geographical variation in morphology and biology of bottlenose dolphins (*Tursiops*) in the eastern North Pacific. NOAA Administrative Report NMFS LJ-81-03C. [Available from the Southwest Fisheries Science Center, P.O. Box 271, La Jolla.]
- Walker, T. R. and R. W. Thompson. 1968. Late Quaternary geology of the San Felipe Area, Baja California, Mexico. *Journal of Geology* 76: 479-485.

- Wallerstein, B. R. and R. C. Brusca. 1982. Fish predation: A preliminary study of its role in the zoogeography and evolution of shallow-water idoteid isopods (Crustacea: Isopoda: Idoteidae). *Journal of Biogeography* 9:135–150.
- Warburton, K. 1978. Community structure, abundance and diversity of fish in a Mexican coastal lagoon system. *Estuarine and Coastal Marine Science* 7:497–519.
- Waters, M. R. 1983. Late Holocene lacustrine chronology and archaeology of ancient Lake Cahuilla, California. *Quaternary Research* 19: 373-387.
- Watling, L. and E. A. Norse. 1998. Disturbance of the seabed by mobile fishing gear: A comparison to forest clear cutting. *Conservation Biology* 12 (6): 1180–1197.
- Watson, M. C. and W. R. Ferren Jr. 1991. A new species of *Suaeda* (Chenopodiaceae) from coastal northwestern Sonora, Mexico. *Madroño* 38:30–36.
- Waters, M. R. 1983. Late Holocene lacustrine chronology and archaeology of ancient Lake Cahuilla, California. *Quaternary Research* 19: 373-387.
- Waters, M. R. and T. W. Stafford, Jr. 2007. Refining the age of Clovis: implications for the peopling of the Americas. *Science* 315: 1122-1126.
- Watling, L. and E. A. Norse. 1998. Disturbance of the seabed by mobile fishing gear: A comparison to forest clear cutting. *Conservation Biology* 12(6): 1180-1197.
- Weber-Van Bosse, A. and M. Foslie. 1904. The Corallinaceae of the Siboga Expedition. *Leiden Bulletin Report* 61:1–110.
- Wegener, A. 1928. *Die Entstehung der Kontinente and Ozeane* [English translation]. London, T. Murby and Co. 240 pp.
- Weiss, S. J., E. O. Otis, et al. 1998. Spawning ecology of flannelmouth sucker, *Catostomus luttipinnis* (Catostomidae), in two small tributaries of the lower Colorado River. *Environmental Biology of Fishes* 52(4): 419-433.
- West, R. C. 1993. *Sonora. Its Geographical Personality*. University of Texas Press, Austin.
- Wheeler, K. G., J. Pitt, T. M. Magee and D. F. Luecke. 2007. Alternative for restoring the Colorado River Delta. *Natural Resources Journal* 47: 917-967.
- Whitmore, R. C., R. C. Brusca, J. L. León de la Luz, P. González-Zamorano, R. Mendoza-Salgado, E. S. Amador-Silva, G. Holguin, F. Galván-Magaña, P. A. Hastings, J.-L. E. Cartron, R. S. Felger, J. A. Seminoff, and C. C. McIvor. 2005. The ecological importance of mangroves in Baja California Sur: Conservation implications for an endangered ecosystem. Pp. 298–333 in J.-L. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems and Conservation in Northern Mexico*. Oxford University Press, New York.
- Whorley, J. R., S. T. Álvarez-Castañeda and G. J. Kenagy. 2004. Genetic structure of desert ground squirrels over the 20-degree-latitude transect from Oregon through the Baja California Peninsula. *Molecular Ecology* 13: 2709-2720.
- Wicksten, M. K. 1982. New records of pinnotherid crabs from the Gulf of California (Brachyura: Pinnotheridae). *Proc. Biol. Soc. Wash.* 95(2): 354-357.
- Wicksten, M. K. 1983. A monograph on the shallow water caridean shrimps of the Gulf of California, Mexico. *Allan Hancock Monographs in Marine Biology* 13: 1–59.
- Wicksten, M. K. 1987. A new Species of Hippolytid Shrimp from the West Coast of Mexico. *Bulletin, Southern California Academy of Science* 86 (1):27–33.
- Wicksten, M. K. 1994. Taxonomic remarks on two species of the genus *Synalpheus* from the tropical eastern Pacific (Decapoda, Alpheidae). *Bulletin, Museum of Natural History, Paris*, 4^e ser., 16, 1994, section A, 1:209–216.

- Wicksten, M. K. 2000. The species of *Lysmata* (Caidea: Hippolytidae) from the eastern Pacific ocean. *Amphipacifica*, Vol. II, No. 4. Oct. 10, 2000.
- Wicksten, M.K. and M.E. Hendrickx. 2003. An updated checklist of benthic marine and brackish water shrimps (Decapoda: Penaeoidea, Stenopodidea, Caridea) from the Eastern Tropical Pacific. Pp. 49–76 in M.E. Hendrickx (ed.). *Contributions to the Study of East Pacific Crustaceans 2*. [Contribuciones al Estudio de los Crustáceos del Pacífico Este 2] Instituto de Ciencias del Mar y Limnología, UNAM.
- Wiemeyer, S. N., C. M. Bunck, and A. J. Krynitsky. 1988. Organochlorine pesticides, polychlorinated biphenyls, and mercury in Osprey eggs–1970–1979–and their relationships to shell thinning and productivity. *Archives of Environmental Contaminates and Toxicology* 17:767–787.
- Wiemeyer, S. N., P. R. Spitzer, W. C. Krantz, T. G. Lamont, and E. Cromartie. 1975. Effects of environmental pollutants on Connecticut and Maryland Ospreys. *Journal of Wildlife Management* 39:124–139.
- Wiemeyer, S. N., D. M. Swineford, P. R. Spitzer, and P. D. McLain. 1978. Organochlorine residues in New Jersey Osprey eggs. *Bulletin of Environmental Contaminates and Toxicology* 19:56–63.
- Wiggins, I. L. 1962. Investigations in the natural history of Baja California. *Proceedings, California Academy of Sciences* 30 (1):1–45.
- Wiggins, I. L. 1980. *Flora of Baja California*. Stanford University Press, Stanford.
- Wilder, B. T. 2007. Vascular flora of Isla Tiburón and satellite islands, Gulf of California México. *Journal of the Arizona-Nevada Academy of Science* 39(1): 51-55.
- Wilder, B. T., S. T. Bates and A. Barber. 2008. *Canotia holacantha* on Isla Tiburón, Gulf of California, México. *Canotia* 4(1): 1-7.
- Wilder, B. T. and R. S. Felger. 2010. Dwarf giants, guano, and isolation: vegetation and floristic diversity of Isla San Pedro Mártir, Gulf of California. *Proceedings, San Diego Natural History Museum* 42: 1-24.
- Wilder, B. T., R. S. Felger and H. Romero-Morales. 2007. Succulents and bighorn of Isla Tiburón, Gulf of California. *The Plant Press (Arizona Native Plant Society)* 31(2): 9-11.
- Wilder, B. T., R. S. Felger, H. Romero-Morales and A. Quijada-Mascareñas. 2007. New plant records for the Sonoran Islands, Gulf of California, Mexico. *Journal of the Botanical Research Institute of Texas* 1: 1203-1227.
- Wilder, B. T., R. S. Felger and H. Romero-Morales. 2008. Succulent plant diversity of the Sonoran Islands, Gulf of California, Mexico. *Haseltonia* 14: 127-160.
- Wilder, B. T., R. S. Felger, T. R. Van Devender and H. Romero-Morales. 2008. *Canotia holantha* on Isla Tiburón, Gulf of California, Mexico. *Canotia* 4(1): 1-7.
- Wilder, B. T. and C. O’Meara. 2015. The continuum of desert research. *J. Southwest* 57: 163-186.
- Wilke, P. J. 1978. Late prehistory of human ecology at Lake Cahuilla, Coachella Valley, California. *Contributions University of California Archaeological Research Facility* 38. (Reviewed by Claude N. Warren, 1979, *Journal of California and Great Basin Anthropology* 1(1): 200-203)
- Wilkinson, G. S. and T. H. Fleming. 1996. Migration and evolution of lesser long-nosed bats *Leptonycteris curasoae*, inferred from mitochondrial DNA. *Molecular ecology* 5(3): 329-339.

- Williams, G. C., and O. Breedy. 2004. The Panamic Gorgonian genus *Pacifigorgia* (Octocorallia: Gorgoniidae) in the Galapagos Archipelago, with descriptions of three new species. *Proceedings of the California Academy of Sciences* 55 (3):55–88.
- Williams, S. C. 1974. A new genus of North American scorpions with a key to the North American genera of Vaejovidae. *Proceedings of the California Academy of Sciences* 40: 1-16.
- Williams, S. C. 1980. Scorpions of Baja California, Mexico and adjacent islands. *Occasional Papers of the California Academy of Sciences* 135: 1-127
- Wilson, M. H. 2002. Checklist of fishes–tropical eastern Pacific. CD-ROM Version 1.0.1. Smithsonian Tropical Research Institute, Balboa, Panama.
- Winfield, I., M. E. Hendrickx and M. Ortiz. 2016. A new deep-water species of *Trischizostoma* (Crustacea: Amphipoda: Gammaridea: Trischizostomatidae) from western Mexico, NE Pacific Ocean. *Journal of the Marine Biological Association of the United Kingdom*, doi:10.1017/S0025315416000187.
- Winker, C. D. and S. M. Kidwell. 1986. Paleocurrent evidence for lateral displacement of the Pliocene Colorado River Delta by the San Andreas fault system, southeastern California. *Geology* 14(9): 788-791.
- Winker, C. D. and S. M. Kidwell. 1996. Stratigraphy of a marine rift basin: Neogene of the western Salton Trough, California. Pp. 295–336 in P. L. Abbott and J. D. Cooper (eds.), *Field Conference Guide 1996 (Annual Meeting, American Association of Petroleum Geologists and Society for Economic Paleontology and Mineralogy)*. Pacific Section A.A.P.G. Guide Book 73, Pacific Section S.E.P.M., Book 80.
- Winship, G. P. 1896. The Coronado Expedition, 1540-1542. *Fourteenth Annual Report of the United States Bureau of American Ethnology, 1892-1893, Part 1*. U.S. Government Printing Office, Washington, D.C.
- Winterer, E. I., D. M. Hussong and R. W. Decker (eds.). 1989. *The Geology of North America, Vol. N: the Eastern Pacific Ocean and Hawaii*. Geol. Soc. Amer., Boulder, CO.
- Winters, Jr., H. J. 2013. *O'odham Place Names. Meanings, Origins, and History, Arizona and Sonora*. Nighthorses, Tucson, AZ. 741 pp.
- Witzell, W. 1983. Synopsis of biological data on the hawksbill turtle *Eretmochelys imbricata* (Linnaeus, 1766). *FAO Fisheries Synopsis* 137. 78 pp.
- Woelkerling, W. J. 1988. *The coralline red algae: an analysis of the genera and subfamilies of nongeniculate corallinaceae*. London, British Museum (Natural History). 268 pp.
- Woelkerling, W. J. 1996a. Family Sporolithaceae. Pp. 153–158 in H. B. S. Womersley (ed.), *The Marine Benthic Flora of Southern Australia–Part IIIB. Gracilariales, Rhodymeniales, Corallinales and Bonnemaisionales*. Australian Biological Resources Study, Canberra, Australia.
- Woelkerling, W. J. 1996b. Subfamily Melobesioideae. Pp. 164–210 in H. B. S. Womersley (ed.), *The Marine Benthic Flora of Southern Australia–Part IIIB. Gracilariales, Rhodymeniales, Corallinales and Bonnemaisionales*. Australian Biological Resources Study, Canberra, Australia.
- Woelkerling, W. J. 1996c. Subfamily Choreonematoideae. Pp. 210–214 in H. B. S. Womersley (ed.), *The Marine Benthic Flora of Southern Australia–Part IIIB. Gracilariales, Rhodymeniales, Corallinales and Bonnemaisionales*. Australian Biological Resources Study, Canberra, Australia.

- Woelkerling, W. J. 1996d. Subfamily Lithophylloideae. Pp. 214–237 in H. B. S. Womersley (ed.), *The Marine Benthic Flora of Southern Australia—Part IIIB. Gracilariales, Rhodymeniales, Corallinales and Bonnemaisoniales*. Australian Biological Resources Study, Canberra, Australia.
- Woelkerling, W. J. 1996e. Subfamily Mastophoroideae (excluding *Hydrolithon*, *Pneophyllum*, *Spongites* and *Neogoniolithon*). Pp. 237–255 in H. B. S. Womersley (ed.), *The Marine Benthic Flora of Southern Australia—Part IIIB. Gracilariales, Rhodymeniales, Corallinales and Bonnemaisoniales*. Australian Biological Resources Study, Canberra, Australia.
- Woelkerling, W. J., L. M. Irvine, and A. S. Harvey. 1993. Growth forms in non-geniculate coralline red algae (Corallinales, Rhodophyta). *Australian Systematic Botany* 6:277–293.
- Woo, H., E. Glenn, R. C. Brusca and R. McCourt. 2004. Algae. Pp. 133–145 in, R. C. Brusca, E. Kimrey and W. Moore (eds.), *A Seashore Guide to the Northern Gulf of California*. ASDM Press, Tucson, AZ.
- Wood, D. A., R. N. Fisher and T. W. Reeder. 2008. Novel patterns of historical isolation, dispersal, and secondary contact across Baja California in the rosy boa (*Lichanura trivirgata*). *Molecular Phylogenetics and Evolution* 46: 484–502.
- Woodhouse, C. A. 1997. Winter climate and atmospheric circulation patterns in the Sonoran Desert region. *International Journal of Climatology* 17: 859–873.
- Woodhouse, C. A., G. T. Pederson, K. Morino, S. A. McAfee and G. J. McCabe. 2016. Increasing influence of air temperature on upper Colorado River streamflow. *Geophysical Research Letters*, doi: 10.1002/2015GL067613.
- Woodring, W. P. 1966. The Panama land bridge as a sea barrier. *Proceedings of the American Philosophical Society* 110:425–433.
- World Wildlife Fund [WWF]. 2000. Camaronicultura, sociedad y ambiente en el Golfo de California. WWF Washington office, 95 p. Internal WWF report.
- World Wildlife Fund [WWF]. 2005a. Determinación de zonas de importancia para la pesca ribereña en el área marina frente a la costa entre Cabo Haro y Playa sur del Estero Tastiota, Sonora. Guaymas, Sonora, WWF Gulf of California office, 40 p. Internal WWF report.
- World Wildlife Fund [WWF]. 2005b. Integración del diagnóstico socioeconómico de las comunidades pesqueras de Santa Clara, Son. y San Felipe, B.C. en el Alto Golfo de California. WWF Gulf of California office, 20 p. Internal WWF report.
- Wrobel, D., and C. Mills. 1998. *Pacific Coast Pelagic Invertebrates. A Guide to the Common Gelatinous Animals*. Sea Challengers and Monterey Bay Aquarium, Monterey, CA.
- Wynne M. J., and J. N. Norris. 1976. The genus *Colpomenia* Derbés et Solier (Phaeophyta) in the Gulf of California. *Smithsonian Contributions to Botany*. No. 35. 18 pp.
- Yensen, N. P. 1980. Intertidal ants from the Gulf of California, Mexico. *Annals of the Entomological Society of America* 73 (3):266–269.
- Yensen, N. P. 2001. *Halófitas del Golfo de California y Sus Usos* (Halophytes of the Gulf of California and their Uses). Universidad de Sonora, Hermosillo.
- Yensen, N. P., E. Glenn, and M. Fontes. 1983. Biogeographical distribution of salt marsh halophytes on the coasts of the Sonoran Desert. *Desert Plants* 5:76–81.
- Yensen, N., E. Yensen and D. Yensen. 1980. Intertidal ants in the Gulf of California, Mexico. *Entomological Society of America* 73(3): 266–269.
- Yépez-Velázquez, L. M. 1990. Diversidad, distribución y abundancia de la ictiofauna en tres lagunas costeras de Sonora, México. Tesis de maestría [master's thesis], Centro de Investigación Científica y de Educación Superior de Ensenada, Baja California. 168 pp.

- Yetman, D. 1996. *Sonora. An Intimate Geography*. University of New Mexico Press, Albuquerque.
- Yetman, D. 2002. *Guarijíos of the Sierra Madre: the Hidden People of Northwestern Mexico*. University of New Mexico Press, Albuquerque.
- Yetman, D. 2007. *The Great Cacti*. University of Arizona Press, Tucson, AZ.
- Young, R. A. and E. E. Spamer (eds.). 2001. *The Colorado River: Origin and Evolution: Grand Canyon, Arizona*. Grand Canyon Assoc. Monograph 12. [An important volume with key papers by Castor & Faulds, Lucchitta et al., Meek & Douglass, Patchett & Spencer, Spencer & Pearthree, Spencer et al., and others]
- Young, R. H. 1982. The Guaymas shrimp bycatch program. *Gulf and Caribbean Fisheries Institute, Proceedings* (1981):131–138.
- Young, R. H. and J. M. Romero. 1979. Variability in the yield and composition of bycatch recovered from Gulf of California shrimping vessels. *Tropical Science* 21: 249-264.
- Zamora-Arroyo, F. and K. W. Flessa. 2009. Nature's fair share. Finding and allocating water for the Colorado River Delta. Pp. 23-38 in L. López-Hoffman, E. D. McGovern, R. G. Varady and K. W. Flessa. *Conservation of Shared Environments. Learning from the United States and Mexico*. University of Arizona Press, Tucson, AZ.
- Zamora-Arroyo, F., O. Hinojosa-Huerta, E. Glenn and M. Briggs. 2001. Vegetation trends in response to instream flows in the Colorado River Delta, Mexico. *Journal of Arid Environments* 49: 49-64.
- Zamora-Arroyo, F., P. Nagler, M. Briggs, D. Radtke, H. Rodriguez, J. Garcia, C. Valdes, A. Huete, and E. Glenn. 2001. Regeneration of native trees in response to flood releases from the United States into the delta of the Colorado River, Mexico. *Journal of Arid Environments* 49:49–64.
- Zamora-Arroyo, F., J. Pitt, S. Cornelius, E. Glenn, O. Hinojosa-Huerta, M. Moreno, J. García, P. Nagler, M. de la Garza, and I. Parra. 2005. Conservation Priorities in the Colorado River Delta, Mexico and the United States. Prepared and published by the Sonoran Institute, Environmental Defense, University of Arizona, Pronatura Noroeste Dirección de Conservación Sonora, Centro de Investigación en Alimentación y Desarrollo, and World Wildlife Fund-Gulf of California program. 103 pp.
- Zamora, H. A., S. M. Nelson, K. W. Flessa and R. Nomura. 2012. Post-dam sediment dynamics and processes in the Colorado River estuary: Implications for habitat restoring. *Ecological Engineering*, doi.org/10.1016/j.ecoleng.2012.11.012.
- Zamorano, P. and M. E. Hendrickx. 2011. A new species of deep-water Holothuroidea (Echinodermata) of the genus *Synallactes* from off western Mexico. *Cahiers Biologia Marina* 52: 13-22.
- Zamorano, P. and M. E. Hendrickx. 2012. Distribution of *Lucinoma heroica* (Dall, 1901) in the minimum oxygen zone in the Gulf of California, Mexico. *Marine Biodiversity Records* 5: 1-8
- Zamorano, P., M. E. Hendrickx, N. Méndez, S. Gómez, D. Serano, H. Aguirre, J. Madrid and F. N. Morales-Serna. 2014. La exploración de las aguas profundas del Pacífico Mexicano: el Proyecto TALUD. Pp. 107-151 in, A. L. Pfeng and E. M. Peters Recagno (eds.), *La Frontera Final: El Océano Profundo*. Secretaría de Medio Ambiente Recursos Naturales (SEMARNAT) and Instituto Nacional de Ecología y Cambio Climático (INECC), Mexico City.

- Zamorano, P., M.E. Hendrickx and A. Toledano Granados. 2006. Distribution and ecology of deepwater mollusks from the continental slope, southeastern Gulf of California, Mexico. *Marine Biology* 150(5): 883–892.
- Zanchi, A. 1994. The opening of the Gulf of California near Loreto, Baja California, Mexico: from basin and range extension to transtensional tectonics. *Journal of Structural Geology* 16:1619–1639.
- Zavala-González, A., J. Urbán R., and C. Esquivel-Macias. 1994. A note on artisanal fisheries interactions with small cetaceans in Mexico. Pp. 235–237 in W. F. Perrin, G. P. Donovan, and J. Barlow (eds.), *Gillnets and Cetaceans, Reports of the International Whaling Commission, Special Issue 15*. Cambridge, U.K.
- Zeidberg, L. D. and B. H. Robinson. 2007. Invasive range expansion by the Humboldt squid, *Dosidicus gigas*, in the eastern North Pacific. *Proc. National Acad. Sci.* 104: 12948-12950.
- Zeitzschel, B. 1969. Primary productivity in the Gulf of California. *Marine Biology* 3 (3):201–207.
- Zeilinski, S. 2014. The Colorado River Delta turned green after a historic water pulse. *Smithsonian.com*. (December 18, 2014).
- Zengel, S. A., V. J. Meretsky, et al. 1995. Cienega de Santa Clara, a remnant wetland in the Rio Colorado delta (Mexico): vegetation distribution and the effects of water flow reduction. *Ecological Engineering* 4(1): 19-36.
- Zepeda-Benitez, V. Y., E. Morales-Bojórquez, J. López-Maretínez and A. Hernández-Herrera. 2014. Growth model selection for the jumbo squid *Dosidicus gigas* from the Gulf of California, Mexico. *Aquatic Biology* 21: 231-247.
- Zetina-Rejón, M. J., F. Arreguín-Sánchez and E. A. Chávez. 2003. Trophic structure and flows of energy in the Huizache-Caimanero Lagoon complex on the Pacific coast of Mexico. *Estuarine, Coastal and Shelf Science* 57: 803-815.
- Zetina-Rejón, M. J., F. Arreguín-Sánchez and E. A. Chávez. 2004. Exploration of harvesting strategies for the management of a Mexican coastal lagoon fishery. *Ecological Modelling* 172: 361-372.
- Zheng, Z.-H., S.-L. Dong and X.-L. Tian 2008. Effects of intermittent feeding of different diets on growth of *Litopenaeus vannamei*. *J. Crustacean Biol.* 28(1): 21-26.
- Zink, R. M. 2002. Methods in comparative phylogeography, and their application to studying evolution in the North American aridlands. *Integrative and Comparative Biology* 42: 953-959.
- Zubía, E., M. J. Ortega and J. L. Carballo. 2008. Sesquiterpenes from the sponge *Axinyssa isabela*. *Journal of Natural Products* 71(12): 2004-2010.
- Zubía, E., M. J. Ortega, C. J. Hernández-Guerrero and J. L. Carballo. 2008. Isothiocyanate Sesquiterpenes from a sponge of the genus *Axinyssa*. *Journal of Natural Products* 71: 608-614.
- Zúñiga Flores, M. S., S. Ortega-García and A. Klett-Traulsen. 2008. Interannual and seasonal variation of dolfinfish (*Coryphaena hippurus*) catch rates in the southern Gulf of California, Mexico. *Fisheries Research* 94: 13-17.
- Zwinger, A. H. 1983. *A Desert Country Near the Sea: A Natural History of the Cape Region of Baja California*. New York: Harper and Row, 1983.