

Ocean Science Center

Publications in 2024

Paleontology

Fau, Marine. 2024. "Revision of the genus *Benthogenia* Fisher, 1911 (Asteroidea, Echinodermata), with description of a new species and ossicle anatomy." *Zoosystema*, 46, (11). <https://doi.org/10.5252/zoosystema2024v46a11>.

Fau, Marine, Wright, David F., Ewin, Timothy A. M., Gale, Andrew S., and Villier, Loïc. 2024. "Phylogenetic and taxonomic revisions of Jurassic sea stars support a delayed evolutionary origin of the Asteroidea." *PeerJ*, 12. <https://doi.org/10.7717/peerj.18169>.

Foote, Michael, **Edie, Stewart M.**, and Jablonski, David. 2024. "Ecological structure of diversity-dependent diversification in Phanerozoic marine bivalves." *Biology Letters*, 20, (1). <https://doi.org/10.1098/rsbl.2023.0475>.

Leventhal, Sarah, **Edie, Stewart M.**, Morrison, Rebecca, and Simpson, Carl. 2024. "Origin of division of labor is decoupled from polymorphism in colonial animals." *PNAS Nexus*, <https://doi.org/10.1093/pnasnexus/pgae476>.

Motani, Ryosuke and **Pyenson, Nicholas D.** 2024. "Downsizing a heavyweight: factors and methods that revise weight estimates of the giant fossil whale *Perucetus colossus*." *PeerJ*, 12. <https://doi.org/10.7717/peerj.16978>.

Pyenson, Nicholas D. 2024. "How teeth, tusks and horny pads evolved together in sea cows." *Proceedings of the Royal Society B: Biological Sciences*, 291, (2028). <https://doi.org/10.1098/rspb.2024.1154>.

Sues, Hans-Dieter. 2024. "Bernhard Peyer and his discoveries of Triassic vertebrates in Switzerland." *Swiss Journal of Palaeontology*, 143, (1). <https://doi.org/10.1186/s13358-024-00310-z>

Zhang, Ruiyan, **Fau, Marine, Mah, Christopher,** Eléaume, Marc, Zhang, Dongsheng, Zhou, Yadong, Lu, Bo, and Wang, Chunsheng. 2024. "Systematics of deep-sea starfish order Brisingida (Echinodermata: Asteroidea), with a revised classification and assessments of morphological characters." *Molecular Phylogenetics and Evolution*, 191. <https://doi.org/10.1016/j.ympev.2023.107993>.

Zhang, Ruiyan, **Fau, Marine, Mah, Christopher,** Eléaume, Marc, Zhang, Dongsheng, Zhou, Yadong, Lu, Bo, and Wang, Chunsheng. 2024. "Corrigendum to "Systematics of deep-sea starfish order Brisingida (Echinodermata: Asteroidea), with a revised classification and assessments of morphological characters" [Mol. Phylogenetics Evol. 191 (2024) 107993]." *Molecular phylogenetics and evolution*, 197. <https://doi.org/10.1016/j.ympev.2024.108096>