

COMPLETE PUBLICATION LIST

A Edited Volumes	p. 1
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A Edited Volumes

3. STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & **KRIWET, J.** (Eds.) (2021). Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft. – 102 pp.; Berichte der Geologischen Bundesanstalt, **142**, Wien.
2. PFAFF, C. & **KRIWET, J.** (Eds.) 2018. 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume. – 64 pp.; Verlag Dr. Friedrich Pfeil, München.
1. SCHWARZ, C. & **KRIWET, J.** (Eds.) 2013. Abstracts 6th International Meeting on Mesozoic fishes. – 72 pp.; Verlag Dr. Friedrich Pfeil, München.

B Scientific Publications (* = non-peer reviewed)

In Press

185. FEICHTINGER, I., ADNET, S., CUNY, G., GUINOT, G., KRIWET, J., NEUBAUER, T.A., POLLERSPÖCK, J., SHIMADA, K., STRAUBE, N., UNDERWOOD, C., VULLO, R. & HARZHAUSER, M. in review. Comment on "An early Miocene extinction in pelagic sharks". – Science.
184. SCHULTZE, H.-P. & **KRIWET, J.** in press. Die Fische der Germanischen Trias. – In: Hauschke, N. & Wilde, V. (eds.): Trias. Eine ganz andere Welt. Mitteleuropa im frühen Erdmittelalter: 3017–323; Verlag Dr. Friedrich Pfeil, München.

Online first

183. VILLALOBOS-SEGURA, E., **KRIWET, J.**, VULLO, R. & STUMPF, S., WARD, D.J. & UNDERWOOD, C.J. 2021 (online first). The skeletal remains of the euryhaline sclerorhynchid batoid *Onchopristis* (Elasmobranchii, Batoidea) from the 'mid' Cretaceous and its palaeontological implications. – Zoological Journal of the Linnean Society (26 pp.). DOI: 10.1093/zoolinnean/zlaa66.
182. TÜRTSCHER, J., LÓPEZ-ROMERO, F.A., JAMBURA, P.L., KINDLIMANN, R., WARD, D.J. & **KRIWET, J.** 2021 (online first). Evolution, diversity and disparity of the tiger shark lineage *Galeocerdo* in deep time. – Paleobiology (17 pp.). DOI: 10.1017/pab.2021.6.
181. FEICHTINGER, I., IVANOV, A.O., WINKLER, V., DOJEN, C., KINDLIMANN, R., **KRIWET, J.**, PFAFF, C., SCHRAUT, G. & STUMPF, S. 2021 (online first). Scarce ctenacanthiform sharks from the Mississippian of Austria with an analysis of Carboniferous elasmobranch diversity in response to climatic and environmental changes. – Journal of Vertebrate Paleontology (14 pp.). DOI: 10.1080/02724634.2021.1925902.
180. MARRAMÀ, G., CARNEVALE, G. & **KRIWET, J.** in press. Diversity, paleoecology and paleoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. – Lethaia (16 pages). DOI: 10.1111/let.12436.
179. HAPP, J., ELSLER, A., **KRIWET, J.**, PFAFF, C. & BOCHENSKI, Z.M. 2021 (Online first). Two passeriform birds (Aves: Passeriformes) from the Middle Miocene of Austria. – PalZ.

2021

178. OYANADEL-URBINA, P., DE GRACIA, C., CARRILLO-BRICEÑO, J.D., NIELSEN, S.N., FLORES, H., CASTELETTO, V., **KRIWET, J.**, RIVADENEIRA, M.M. & VILLAFANA, J.A. 2021. Neogene bony fishes from the Bahía Inglesa Formation, northern Chile, **58**: 345-368. – *Ameghiniana*. DOI: 0.5710/AMGH.26.05.2021.3375
177. GUICHARROUSSE-VARGAS, M., VILLAFANA, J.A., OYANADEL-URBINA, P., FIGUEROA, R., CARRILLO-BRICEÑO, J.D., PÉREZ-MARÍN, J.R., RIVADENEIRA, M.M. & **KRIWET, J.** 2021. The first fossil record of the sawshark *Pliotrema* (Pristiophoridae) from the Neogene of south-eastern Pacific (Chile). – *Ameghiniana*, **58**: 122–131. DOI: 10.5710/AMGH.01.03.2021.3389.
176. JAMBURA, P.L., TÜRTSCHER, J., **KRIWET, J.** & AL MABRUK, S.A.A. 2021. Deadly interaction between swordfish *Xiphias gladius* and bigeye thresher shark *Alopias superciliosus*. – *Ichthyological Research*, **68**: 317-321. DOI: 10.1007/s10228-020-00787-x
175. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G., VARESE, M., GIUSBERTI, L. & **KRIWET, J.** 2021. Anatomy, taxonomy, and phylogeny of the Eocene guitarfishes from the Bolca Lagerstätte (Italy) provide new insights into the relationships of the Rhinopristiformes (Elasmobranchii: Batomorphii). – *Zoological Journal of the Linnean Society*, **192**: 1090–1110. DOI: 10.1093/zoolinnean/zlaa125.
174. JAMBURA, P.L., TÜRTSCHER, J., DE MADDALENA, A., GIOVOS, I., **KRIWET, J.**, RIZGALLA, J., AL MABRUK, S.A.A. 2021. Using citizen science to detect rare and endangered species: new records of the great white shark *Carcharodon carcharias* (Chondrichthyes, Lamnidae) off the Libyan coast (Mediterranean Sea). – *Annales, Series Historia Naturalis*, **31**: 51-60. DOI: 10.19233/ASHN.2021.07.
173. STUMPF, S., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., LACOMBAT, F., POHL, B. & **KRIWET, J.** 2021. Data from: A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. Dryad, Dataset. DOI: 10.5061/dryad.fqz612jr5.
172. STUMPF, S., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., LACOMBAT, F., POHL, B. & **KRIWET, J.** 2021. A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. – *Papers in Palaeontology*, **7**: 1479–1505. DOI: 10.1002/spp2.1350.
171. STUMPF, S., ETCHES, S., UNDERWOOD, C. & **KRIWET, J.** 2021. *Durmonovariaodus maiseyi* gen. et sp. nov., a new hybodontiform shark-like chondrichthyan from the Upper Jurassic Kimmeridge Clay Formation of England. – *PeerJ*, **9**: e11362 (30 pages). DOI: 10.7717/peerj.11362.
170. JAMBURA, P.L., STUMPF, S. & **KRIWET, J.** 2021. Skeletal remains of the oldest known pseudocoracid shark *Pseudocorax kindlimanni* sp. nov. (Chondrichthyes, Lamniformes) from the Upper Cretaceous of Lebanon. – *Cretaceous Research*, **125**: 104842 (13 pages). DOI: 10.1016/j.cretres.2021.104842.
169. CAWLEY, J.J., MARRAMÀ, G., CARNEVALE, G., VILLAFANA, J.A., LÓPEZ ROMERO, F. & **KRIWET, J.** 2021. Rise and fall of †Pycnodontiformes: Diversity, competition and extinction of a successful fish clade. – *Ecology and Evolution*, **11**: 1769-1796. DOI: 10.1002/ece3.7168.
168. JAMBURA, P.L., ČETKOVIĆ, I., **KRIWET, J.** & TÜRTSCHER, J. 2021. Using historical and citizen science data to improve the knowledge about the occurrence of the elusive sandbar shark *Carcharhinus plumbeus* in the Adriatic Sea. – *Mediterranean Marine Science*, **22**(1): 169-179. DOI: 10.12681/mms.24624.

167. TÜRTSCHER, J., LÓPEZ-ROMERO, F., JAMBURA, P., KINDLIMANN, R., WARD, D.J. & **KRIWET, J.** 2021. Data from: Evolution, diversity and disparity of the tiger shark lineage *Galeocerdo* in deep time. – Dryad, Dataset. DOI: 10.5061/dryad.rv15dv47c.

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166. VILLAFANA, J.A., MARRAMÀ, G., KLUG, S., POLLERSPÖCK, J., BALSBERGER, M., RIVADENEIRA, M. & **KRIWET, J.** 2020. Shark, rays and skates (Chondrichthyes, Elasmobranchii) from the Upper Marine Molasse (Ottangian, early Miocene) of the Simssee area (Bavaria, Germany), with comments on palaeogeographic and ecological patterns. *PalZ*, **94**: 725-757.
165. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & **KRIWET, J.** 2020. The Italian fossil record of the Cretaceous shark, *Ptychodus latissimus* Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – *PeerJ*, **8**: e10167 (35 pages). DOI: 10.7717/peerj.10167.
164. STUMPF, S., LÓPEZ-ROMERO, F., KINDLIMANN, R., LACOMBAT, F., POHL, B. & **KRIWET, J.** 2020. Data from: A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. – Dryad, Dataset. DOI: 10.5061/dryad.fqz612jr5.
163. KIM, S.L., ZEICHNER, S.S., COLMAN, A.S., SHER, H.D., **KRIWET, J.**, MÖRS, T. & HUBER, M. 2020. Probing the ecology and climate of the Eocene Southern Ocean with sand tiger sharks *Striatolamia macrota*. – *Paleoceanography and Paleoclimatology*, **35**: e2020PA003997 (21 pages). DOI: 10.1029/2020PA003997.
162. MARRAMÀ, G., CARNEVALE, G., CLAESON, K.M., NAYLOR, G. & **KRIWET, J.** 2020. Revision of the Eocene '*Platyrhina*' species from the Bolca Lagerstätte (Italy) reveals the first panray (Batomorphii: Zanobatidae) in the fossil record. – *Journal of Systematic Palaeontology*, **18**: 1519-1542. DOI: 10.1080/14772019.2020.1783380.
161. FEICHTINGER, I., LUKENEDER, A., TOPAB, D., **KRIWET, J.** & WESTALLD, F. 2020. Fossil microbial tooth decay documents in situ metabolism of enameloid proteins as high-energy nutrition source in deep-water environments. – *Scientific Reports*, **10**: 20979. DOI: 10.1038/s41598-020-77964-5.
160. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G. & **KRIWET, J.** 2020. Skeletal anatomy, phylogenetic relationships and paleoecology of the Eocene stingray *Arechia Cappetta*, 1983 (Batomorphii, Myliobatiformes) from Monte Postale (Bolca Lagerstätte, Italy). – *Journal of Vertebrate Paleontology*, **40**: e1803339 (12 pages). DOI: 10.1080/02724634.2020.1803339.
159. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & **KRIWET, J.** 2020. The Italian fossil record of the Cretaceous shark, *Ptychodus latissimus* Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – *PeerJ*, **8**: e10167 (35 pages). DOI: 10.7717/peerj.10167.
158. CAWLEY, J., LEHMANN, J., WIESE, F. & **KRIWET, J.** 2020. Some like it hot: *Njoerdichthys dyckerhoffi* gen. et sp. nov. (Pycnodontiformes, Lower Turonian) northward migration caused by the Cretaceous Thermal Maximum. – *Cretaceous Research*, **116**: 104590 (22 pages). DOI: 10.1016/j.cretres.2020.104590.
157. KLIMPFINGER, C. & **KRIWET, J.** 2020. Comparative morphology of labial cartilages in sharks (Chondrichthyes, Elasmobranchii). *The European Zoological Journal*, **87**, S1 (New Perspectives in Elasmobranchs Research: From Biology to Management and Conservation): 741-753. DOI: 10.1080/24750263.2020.1844323
156. HAUG, C. REUMER, J.W.F., HAUG, J.T., ARILLO, A., AUDO, D., AZAR, D., BARANOV, V., BEUTEL, R., CHARBONNIER, S., FELDMANN, F., FOTH, C., FRAAIJE, R.H.B., GAŠPARIČ, R., GREENWALT, D.E., HYŽNÝ, M., JAGT, J.W.M., JAGT-YAZYKOVA, E.A., JARZEMBOWSKI, E., KERP, H., KIREJTSHUK, A.G., KLUG, C., KOPYLOV, D.S., KOTTHOFF,

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155. HAUG, J.T., AZAR, D., ROSS, A., SZWEDO, J., WANG, B., ARILLO, A., BARANOV, V., BECHTELER, J., BEUTEL, R., BLAGODEROV, V., DELCLÒS, X., DUNLOP, J., FELDBERG, K., FELDMANN, R., FOTH, C., FRAAIJE, R.H.B., GEHLER, A., HARMS, D., HEDENÄS, L., HYŽNÝ, M., JAGT, J.W.M., JAGT-YAZYKOVA, E.A., JARZEMBOWSKI, E., KERP, H., KHINE, P.K., KIREJTSHUK, A.G., KLUG, C., KOPYLOV, D.S., KOTTHOFF, U., **KRIWET, J.**, MCKELLAR, R.C., NEL, A., NEUMANN, C., NÜTZEL, A., PEÑALVER, E., PERRICHOT, V., PINT, A., RAGAZZI, E., REGALADO, L., REICH, M., RIKKINEN, J., SADOWSKI, E.-M., SCHMIDT, A.R., SCHNEIDER, H., SCHRAM, F.R., SCHWEIGERT, G., SELDEN, P., SEYFULLAH, L.J., SOLÓRZANO-KRAEMER, M.M., STILWELL, J.D., VAN BAKEL, B.W.M., VEGA, F.J., WANG, Y., XING, L. & HAUG, C. 2020. Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding "Fossils from conflict zones and reproducibility of fossil-based scientific data": Myanmar amber. *PalZ: Paläontologische Zeitschrift*, **94**: 431-437. DOI: 10.1007/s12542-020-00524-9.
154. LÓPEZ-ROMERO, F., STUMPF S., PFAFF C., MARRAMÀ G., JOHANSON, Z. & **KRIWET, J.** 2020. Evolutionary trends of the conserved neurocranium shape in angel sharks (Squatiniformes, Elasmobranchii). – *Scientific Reports*, **10**: 12582. DOI: 10.1038/s41598-020-69525-7.
153. LÓPEZ-ROMERO, F.A., KLIMPFINGER, C., TANAKA, S. & **KRIWET, J.** 2020. Growth trajectories of prenatal embryos of the deep-sea shark *Chlamydoselachus anguineus* (Chondrichthyes). – *Journal of Fish Biology*, **97**: 212-224. DOI: 10.1111/jfb.14352.
152. FEICHTINGER, I., ENGELBRECHT, A., LUKENEDER, A. & **KRIWET, J.** 2020. New chondrichthyans characterized by cladodont-like tooth morphologies from the Early Cretaceous of Austria, with remarks on the microstructural diversity of enameloid. – *Historical Biology*, **32**: 823-836. DOI: 10.1080/08912963.2018.1539971.
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150. **KRIWET, J.** 2020. Novel insights into tooth row development: From old ideas to new concepts. – *BIOESSAYS*, **42**: 2000045 (1 page). DOI: 10.1002/bies.202000045.
149. JAMBURA, P.L. & **KRIWET, J.** 2020. Articulated remains of the extinct shark, *Ptychodus* (Elasmobranchii, Ptychodontidae) from the Upper Cretaceous of Spain provide insights into gigantism, growth rate and life history of ptychodontid sharks. – *Plos One*, **15**: e0231544 (16 pages). DOI: 10.1371/journal.pone.0231544.
148. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & **KRIWET, J.** 2020. A revision of the Upper Cretaceous shark *Ptychodus mediterraneus* Canavari, 1916 from Italy, with a reassessment of *P. latissimus* and *P. polygyrus* Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – *Cretaceous Research*, **110**: 104386 (37 pages). DOI: 10.1016/j.cretres.2020.104386.
147. JAMBURA, P.L., TÜRTSCHER, J., KINDLIMANN, R., METSCHER, B., G., PFAFF, C., STUMPF, S., WEBER, G. & **KRIWET, J.** 2020. Evolutionary trajectories of tooth histology patterns in modern sharks (Chondrichthyes, Elasmobranchii). – *Journal of Anatomy*, **236**:

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143. VILLAFANA, J., MARRAMÀ, G., HERNANDEZ, S., CARILLO-BRICEÑO, J., HOVESTADT, D., KINDLIMANN, R. & **KRIWET, J.** 2019. The Neogene fossil record of *Aetomylaeus* (Elasmobranchii, Myliobatidae) from the south-eastern Pacific. – *Journal of Vertebrate Paleontology*: **39**: e1577251 (11 pages). DOI: 10.1080/02724634.2019.1577251.
142. VILLAFANA, J., NIESLEN, S.N., KLUG, S. & **KRIWET, J.** 2019. Early Miocene cartilaginous fishes (Chondrichthyes: Holocephali, Elasmobranchii) from Chile: Diversity and palaeobiogeographic implications. – *Journal of South American Earth Sciences*, **96**: 102317 (20 pages). DOI: 10.1016/j.jsames.2019.102317.
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