

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

198. DE GRACIA, C., RODRIGUEZ, F., AGUILERA, O., JARAMILLO, C. & **KRIWET, J.** in press. Evidence for earlier radiation in istiophorid billfishes (Teleostei, Xiphoidea) uncovered by comparative morphology of the caudal vertebrae. – Journal of Vertebrate Paleontology.
197. WEN, W., **KRIWET, J.**, ZHANG, Q., BENTON, M.J., DUFFIN, C.J., HUANG, J., ZHOU, C., MA, Z., LIN, S., HU, S. & QIIN, Y. in press. New hybodontiform shark remains (Chondrichthyes, Elasmobranchii) from the Early Triassic continental Dongchuan Formation (Yunan Province, China), with comments on hybodontiform diversity across the PTB in China. – Journal of Vertebrate Paleontology.
196. YESTE, M.P., FERNÁNDEZ-PONCE, C., FÉLIX, E., TINOCO, M., FERNÁNDEZ-CISNAL, R., GARCÍA-VILLAR, C., PFAFF, C., **KRIWET, J.**, NATIVIDAD, E., CAUQUI, M.A., GARCÍA-CÓZAR, F., LITRÁN, R. & BOMATI-MIGUEL, O. in press. Solvothermal Synthesis and Characterization of Ytterbium/Iron Mixed Oxide Nanoparticles with Potential Functionalities for Applications as Multimodal Contrast Agent in Medical Image Techniques. – Ceramics International.
195. DE GRACIA, C., CORREA-METRIO, A., CARVALHO, M., VELEZ-JUARBE, J., **KRIWET, J.**, PŘIKRYL, T. & JARAMILLO, C. in press. Towards a unifying systematic scheme of fossil and living billfishes (Teleostei, Istiophoridae). – Journal of Systematic Palaeontology.

Online first

194. LAMBERT, O., WANZENBÖCK, G., PFAFF, C., LOUWYE, S., **KRIWET, J.**, MARX, F.G. 2022 (online first). First eurhinodelphinid dolphin from the middle Miocene of the Paratethys. – Historical Biology.

2022

193. TÜRTSCHER, J., JAMBURA, P.L., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., SATO, K., TOMITA, T. & **KRIWET, J.** 2022. Heterodonty and ontogenetic shift dynamics in the dentition of the tiger shark *Galeocerdo cuvier* (Chondrichthyes, Galeoceridae). – *Journal of Anatomy*, **241**:372–392.
192. VILLALOBOS-SEGURA, E., GIUSEPPE MARRAMÀ, G., CARNEVALE, G., CLAESON, K.M., UNDERWOOD, C.J., NAYLOR, G.J.P. & **KRIWET, J.** 2022. The phylogeny of Batomorphii (Chondrichthyes: Elasmobranchii) based on morphological characters revisited. – *Diversity*, **14**: 456 (65 PP)
191. KIM, S., YEAKEL, J.D., BALK, M., EBERLE, J., ZEICHNER, S., **KRIWET, J.** in review. Decoding the dynamics of dental distributions: insights from shark demography and dispersal. – *Proceedings of the Royal Society, B*, 289: 20220808. DOI: 10.1098/rspb.2022.0808.
190. AMADORI, M., KINDLIMANN, R., FORNACIARI, E., GIUSBERTI, L. & **KRIWET, J.** 2022 (online first). A new cuspidate ptychodontid shark (Chondrichthyes; Elasmobranchii), from the Upper Cretaceous of Morocco with comments on tooth functionalities and replacement patterns. – *Journal of African Earth Sciences*, **187**: 1-25. Doi: 10.1016/j.jafrearsch.2021.104440.
189. SCHNELL, N.K., **KRIWET, J.**, LÓPEZ-ROMERO, F.A., LECOINTRE, G. & PFAFF, C. 2021 (online first). The musculotendinous system of mesopelagic fishes, part I: Stomiiformes (Teleostei). – *Journal of Anatomy*, **240**: 1095-1126. DOI: 10.1111/joa.13614.
188. 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*, **96**: 313-321. DOI: 10.1007/s12542-021-00579-2.
187. MARRAMÀ, G., CARNEVALE, G. & **KRIWET, J.** 2022. Diversity, paleoecology and paleoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. – *Lethaia*, **54**: 736-751. DOI: 10.1111/let.12436.
186. LÓPEZ-ROMERO, F.A., FIDJI, B., ABED-NAVANDI, D. & **KRIWET, J.** 2022. Early shape divergence of developmental trajectories in the jaw of galeomorph sharks. – *Frontiers in Zoology*, **19**, 7 (11 pages). DOI: 0.1186/s12983-022-00452-1.
185. STUMPF, S., MENG, S. & **KRIWET, J.** 2022. Diversity patterns of Late Jurassic chondrichthyans: New insights from a historically collected hybodontiform tooth assemblage from Poland. – *Diversity*, **14**, 85: 1-18. DOI: 10.3390/d14020085
184. SCHADE, M., STUMPF, S., KETTLER, C., **KRIWET, J.** & PFAFF, C. in press. Neuroanatomy of the nodosaurid *Struthiosaurus austriacus* (Dinosauria: Thyreophora) supports potential ecological differentiations within Ankylosauria. – *Scientific Reports*, **12**: 144. DOI: 0.1038/s41598-021-03599-9.

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183. SCHULTZE, H.-P. & **KRIWET, J.** 2021. Die Fische der Germanischen Trias. – In: Hauschke, N., Bachmann, G.H. & Franz, N. (eds.): *Trias – Aufbruch ins Erdmittelalter: 3017–323*; Verlag Dr. Friedrich Pfeil, München.
182. 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*, **193**: 746-771. DOI: 10.1093/zoolinnean/zlaa66.

181. 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. 2021. Comment on "An early Miocene extinction in pelagic sharks". – *SCIENCE*, **374**, 6573: EABK0632. DOI: 10.1126/SCIENCE.ABK0632.
180. TÜRTERSCHER, J., LÓPEZ-ROMERO, F.A., JAMBURA, P.L., KINDLIMANN, R., WARD, D.J. & **KRIWET, J.** 2021. Evolution, diversity and disparity of the tiger shark lineage *Galeocerdo* in deep time. – *Paleobiology*, **47**: 574-590. DOI: 10.1017/pab.2021.6.
179. FEICHTINGER, I., IVANOV, A.O., WINKLER, V., DOJEN, C., KINDLIMANN, R., **KRIWET, J.**, PFAFF, C., SCHRAUT, G. & STUMPF, S. 2021. 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*, **41**: e192590 (14 pp.). DOI: 10.1080/02724634.2021.1925902.
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. – *Ameghiniana*, **58**: 345-368. 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., TÜRTERSCHER, 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., TÜRTERSCHER, 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. *Durnonovariaodus 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 (Batmorphii: 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 (Batmorphii, 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, U., **KRIWET, J.**, KUNZMANN, L., MCKELLAR, R.C., NEL, A., NÜTZEL, A., PERRICHOT, V., PINT, A., RAUHUT, O., SCHNEIDER, J.W., SCHRAM, F.R., SCHWEIGERT, G., SELDEN, P., SZWEDO, J., VAN BAKEL, B.W.M., VAN ELDIJK, T., VEGA, F.J., WANG, B. & REICH, M. 2020 (online first). 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": the importance of private collections. – *PalZ. Paläontologische Zeitschrift*, **94**: 413-429. DOI: 10.1007/s12542-020-00522-x.
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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.
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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.

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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.
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