**2017**

**Publikationen | Publications**

**Wissenschaftliche Artikel in referierten Zeitschriften | Scientific articles in peer- reviewed journals**

**Amson, E.**; Arnold, P.; Van Heteren, A.; Canoville, A.; Nyakatura, J. (2017). Trabecular architecture in the forelimb epiphyses of extant xenarthrans (Mammalia). *Frontiers in Zoology, 14 (52)*: 1-17. DOI: [10.1186/s12983-017-0241-x](https://doi.org/10.1186/s12983-017-0241-x)

**Amson, E.**; Nyakatura, J. (2017). The Postcranial Musculoskeletal System of Xenarthrans: Insights from over Two Centuries of Research and Future Directions. *Journal of Mammalian Evolution, 25 (4)*: 459-484. DOI: [10.1007/s10914-017-9408-7](https://doi.org/10.1007/s10914-017-9408-7)

Araújo, R.; Fernandez, V.; Polcyn, M.; **Fröbisch, J.**; Martins, R. (2017). Aspects of gorgonopsian paleobiology and evolution: insights from the basicranium, occiput, osseous labyrinth, vasculature, and neuroanatomy. *PeerJ*: e3119. DOI: [10.7717/peerj.3119](https://doi.org/10.7717/peerj.3119)

Argyriou, T.; Romano, C.; Carrillo-Briceño, J.; Brosse, M.; **Hofmann, R.** (2017). The oldest record of gnathostome fossils from Greece: Chondrichthyes from the Lopingian of Hydra Island. *Palaeontologia Electronica (20.1.8A)*: 1-9. DOI: [10.26879/730](https://doi.org/10.26879/730)

Arnold, P.; **Amson, E.**; Fischer, M. (2017). Differential scaling patterns of vertebrae and the evolution of neck length in mammals. *Evolution, 71 (6)*: 1587-1599. DOI: [10.1111/evo.13232](https://doi.org/10.1111/evo.13232)

Assing, V. (2017). On the Ischnosoma fauna of Georgia (Coleoptera: Staphylinidae: Tachyporinae).. *Contributions to Entomology, 67 (2)*: 195-206. DOI: [DOI: 10.21248/contrib.entomol.67.2.195-2](https://doi.org/DOI:%2010.21248/contrib.entomol.67.2.195-2)

 Atickem, A.; Stenseth, N.; Drouilly, M.; **Bock, S.**; Roos, C.; Zinner, D. (2017). Deep divergence among mitochondrial lineages in African jackals. *Zoologica Scripta, 47 (1)*: 1-8. DOI: [10.1111/zsc.12257](https://doi.org/10.1111/zsc.12257)

Baral, H.; Weber, E.; Gams, W.; **Hagedorn, G.**; Liu, B.; Liu, X.; Marson, G.; Marvanová, L.; Stadler, M.; Weiß, M. (2017). Generic names in the Orbiliaceae (Orbiliomycetes) and recommendations on which names should be protected or suppressed. *Mycological Progress, 17 (1-2)*: 5-31. DOI: [10.1007/s11557-017-1300-6](https://doi.org/10.1007/s11557-017-1300-6)

Bell, R.; Parra, J.; Badjedjea, G.; Barej, M.; Blackburn, D.; Burger, M.; Channing, A.; Dehling, J.; Greenbaum, E.; Gvoždík, V.; Kielgast, J.; Kusamba, C.; Lötters, S.; Mclaughlin, P.; Nagy, Z.;  **Rödel, M.O**; Portik, D.; Stuart, B.; Vanderwal, J.; Zassi-Boulou, A.; Zamudio, K. (2017). Idiosyncratic responses to climate-driven forest fragmentation and marine incursions in reed frogs from Central Africa and the Gulf of Guinea Islands. *Molecular Ecology, 26 (19)*: 5223-5244. DOI: [10.1111/mec.14260](https://doi.org/10.1111/mec.14260)

Belvedere, M.; Franceschi, M.; Sauro, F.; Mietto, P. (2017). Dinosaur footprints from the top of Mt. Pelmo: new data for Early Jurassic palaeogeography of the Dolomites (NE Italy). *Bollettino della Societa Paleontologica Italiana, 56 (2)*: 199-206. DOI: [10.4435/BSPI.2017.10](https://doi.org/10.4435/BSPI.2017.10)

Berdan, E.; Finck, J.; Johnston, P.; **Waurick, I.**; Mazzoni, C.; **Mayer, F.** (2017). Transcriptome profiling of ontogeny in the acridid grasshopper Chorthippus biguttulus. *PLOS ONE, 12 (5)*: e0177367. DOI: [10.1371/journal.pone.0177367](https://doi.org/10.1371/journal.pone.0177367)

Bernardes, S.; Pepato, A.; **Von Rintelen, T.**; **Von Rintelen, K.**; Page, T.; Freitag, H.; De Bruyn, M. (2017). The complex evolutionary history and phylogeography of Caridina typus (Crustacea: Decapoda): long-distance dispersal and cryptic allopatric species. *Scientific Reports, 7*: 1-13. DOI: [10.1038/s41598-017-08494-w](https://doi.org/10.1038/s41598-017-08494-w)

**Bibi, F.**; Pante, M.; Souron, A.; Stewart, K.; **Varela, S.**; Werdelin, L.; Boisserie, J.; Fortelius, M.; Hlusko, L.; Njau, J.; De La Torre, I. (2017). Paleoecology of the Serengeti during the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania: The mammal and fish evidence. *Journal of Human Evolution, 120*: 48-75. DOI: [10.1016/j.jhevol.2017.10.009](https://doi.org/10.1016/j.jhevol.2017.10.009)

**Bibi, F.**; Rowan, J.; Reed, K. (2017). Late Pliocene Bovidae from Ledi-Geraru (Lower Awash Valley, Ethiopia) and their Implications for Afar Paleoecology. *Journal of Vertebrate Paleontology, 37 (4)*: e1337639. DOI: [10.1080/02724634.2017.1337639](https://doi.org/10.1080/02724634.2017.1337639)

**Bickelmann, C.**; Van Der Vos, W.; De Bakker, M.; Jiménez, R.; Maas, S.; Sánchez-Villagra, M. (2017). Hoxgene expression in the specialized limbs of the Iberian mole (Talpa occidentalis) ‐ Hoxexpression in mole limbs. *Evolution & Development, 19 (1)*: 3-8. DOI: [10.1111/ede.12216](https://doi.org/10.1111/ede.12216).

 **Blankers, T.**; Block, R.; Hennig, R. (2017). Codivergence but Limited Covariance of Wing Shape and Calling Song Structure in Field Crickets (Gryllus). *Evolutionary Biology, 45 (2)*: 144-155. DOI: [10.1007/s11692-017-9439-2](https://doi.org/10.1007/s11692-017-9439-2)

Bockwinkel, J.; **Korn, D.** (2017). Late Givetian ammonoids from Iserlohn and Neuenrade (northern Rhenish Mountains). *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen, 286 (2)*: 195-206. DOI: [10.1127/njgpa/2017/0695](https://doi.org/10.1127/njgpa/2017/0695)

Böhmer, C.; **Werneburg, I.** (2017). Deep time perspective on turtle neck evolution: chasing the Hox code by vertebral morphology. *Scientific Reports, 7*: 1-14. DOI: [10.1038/s41598-017-09133-0](https://doi.org/10.1038/s41598-017-09133-0)

Boisserie, J.; Schuster, M.; Beech, M.; Hill, A.; **Bibi, F.** (2017). A new species of hippopotamine (Cetartiodactyla, Hippopotamidae) from the late Miocene Baynunah Formation, Abu Dhabi, United Arab Emirates. *Palaeovertebrata, 41 (1)*: e2. DOI: [10.18563/pv.41.1.e2](https://doi.org/10.18563/pv.41.1.e2)

Bowling, D.; Garcia, M.; Dunn, J.; Ruprecht, R.; Stewart, A.; **Frommolt, K.-H. K.-H.**; Fitch, W. (2017). Body size and vocalization in primates and carnivores. *Scientific Reports, 7*: 1-11. DOI: [10.1038/srep41070](https://doi.org/10.1038/srep41070)

Branch, W.; Guyton, J.; Schmitz, A.; Barej, M.; Naskrecki, P.; Farooq, H.; Verburgt, L.;  **Rödel, M.O** (2017). Description of a new flat gecko (Squamata: Gekkonidae: Afroedura) from Mount Gorongosa, Mozambique. *Zootaxa, 4324 (1)*: 142. DOI: [10.11646/zootaxa.4324.1.8](https://doi.org/10.11646/zootaxa.4324.1.8)

**Brocklehurst, N.** (2017). Rates of morphological evolution in Captorhinidae: an adaptive radiation of Permian herbivores. *PeerJ, 5*: e3200. DOI: [10.7717/peerj.3200](https://doi.org/10.7717/peerj.3200)

**Brocklehurst, N.**; Brink, K. (2017). Selection towards larger body size in both herbivorous and carnivorous synapsids during the Carboniferous. *FACETS, 2*: 68-84. DOI: [10.1139/facets-2016-0046](https://doi.org/10.1139/facets-2016-0046)

**Brocklehurst, N.**; Day, M.; Rubidge, B.; **Fröbisch, J.** (2017). Olson's Extinction and the latitudinal biodiversity gradient of tetrapods in the Permian. *Proceedings of the Royal Society B: Biological Sciences, 284 (1852)*: 20170231. DOI: [10.1098/rspb.2017.0231](https://doi.org/10.1098/rspb.2017.0231)

**Brocklehurst, N.**; **Fröbisch, J.** (2017). A re-examination of the enigmatic Russian tetrapod Phreatophasma aenigmaticum and its evolutionary implications. *Fossil Record, 20 (1)*: 87-93. DOI: [10.5194/fr-20-87-2017](https://doi.org/10.5194/fr-20-87-2017)

Bronikowska, M.; Artemieva, N.; **Wünnemann, K.** (2017). Reconstruction of the Morasko meteoroid impact-Insight from numerical modeling. *Meteoritics & Planetary Science, 52 (8)*: 1704-1721. DOI: [10.1111/maps.12882](https://doi.org/10.1111/maps.12882)

Bush, A.; Sollmann, R.; Wilting, A.; Bohmann, K.; Cole, B.; Balzter, H.; Martius, C.; Zlinszky, A.; Calvignac-Spencer, S.; Cobbold, C.; Dawson, T.; Emerson, B.; Ferrier, S.; Gilbert, M.; Herold, M.; Jones, L.; Leendertz, F.; Matthews, L.; Millington, J.; Olson, J.; Ovaskainen, O.; Raffaelli, D.; Reeve, R.;  **Rödel, M.O**; Rodgers, T.; Snape, S.; Visseren-Hamakers, I.; Vogler, A.; White, P.; Wooster, M.; Yu, D. (2017). Connecting Earth observation to high-throughput biodiversity data. *Nature Ecology & Evolution, 1*: 0176. DOI: [10.1038/s41559-017-0176](https://doi.org/10.1038/s41559-017-0176)

Campean, A.; **Coleman, C.** (2017). A new species of Sicafodia Just, 2004 (Crustacea, Amphipoda, Sicafodiidae) from the North Atlantic. *Marine Biodiversity, 48 (2)*: 939-948. DOI: [10.1007/s12526-017-0635-1](https://doi.org/10.1007/s12526-017-0635-1)

Cantalapiedra, J.; Prado, J.; Hernández Fernández, M.; Alberdi, M. (2017). Decoupled ecomorphological evolution and diversification in Neogene-Quaternary horses. *Science, 355 (6325)*: 627-630. DOI: [10.1126/science.aag1772](https://doi.org/10.1126/science.aag1772)

Čerňanský, A.; Bolet, A.; **Müller, J.**; Rage, J.; Augé, M.; Herrel, A. (2017). A new exceptionally preserved specimen of Dracaenosaurus (Squamata, Lacertidae) from the Oligocene of France as revealed by micro-computed tomography. *Journal of Vertebrate Paleontology, 37 (6)*: e1384738. DOI: [10.1080/02724634.2017.1384738](https://doi.org/10.1080/02724634.2017.1384738)

Chernonozhkin, S.; Weyrauch, M.; Goderis, S.; Oeser, M.; Mckibbin, S.; Horn, I.; **Hecht, L.**; Weyer, S.; Claeys, P.; Vanhaecke, F. (2017). Thermal equilibration of iron meteorite and pallasite parent bodies recorded at the mineral scale by Fe and Ni isotope systematics. *Geochimica et Cosmochimica Acta, 217*: 95-111. DOI: [10.1016/j.gca.2017.08.022](https://doi.org/10.1016/j.gca.2017.08.022)

Chitimia-Dobler, L.; De Araujo, B.; Ruthensteiner, B.; Pfeffer, T.; **Dunlop, J.** (2017). Amblyomma birmitum a new species of hard tick in Burmese amber. *Parasitology, 144 (11)*: 1441-1448. DOI: [10.1017/s0031182017000853](https://doi.org/10.1017/s0031182017000853)

Croze, M.; Wollstein, A.; Božičević, V.; Živković, D.; **Stephan, W.**; Hutter, S. (2017). A genome-wide scan for genes under balancing selection in Drosophila melanogaster. *BMC Evolutionary Biology, 17*: 15. DOI: [10.1186/s12862-016-0857-z](https://doi.org/10.1186/s12862-016-0857-z)

Danto, M.; **Witzmann, F.**; Pierce, S.; **Fröbisch, N.** (2017). Intercentrum versus pleurocentrum growth in early tetrapods: A paleohistological approach. *Journal of Morphology, 278 (9)*: 1262-1283. DOI: [10.1002/jmor.20709](https://doi.org/10.1002/jmor.20709)

De Araujo, B.; Schmidt, S.; **Von Rintelen, T.**; Sutrisno, H.; **Von Rintelen, K.**; Ubaidillah, R.; **Häuser, C.**; Peggie, D.; Narakusumo, R.; Balke, M. (2017). IndoBioSys – DNA Barcoding as a tool for the rapid assessment of hyperdiverse insect taxa in Indonesia: A status report. *TREUBIA, 44*: 67. DOI: [10.14203/treubia.v44i0.3381](https://doi.org/10.14203/treubia.v44i0.3381)

Delić, T.; Švara, V.; **Coleman, C.**; Trontelj, P.; Fišer, C. (2017). The giant cryptic amphipod species of the subterranean genus Niphargus (Crustacea, Amphipoda). *Zoologica Scripta, 46 (6)*: 740-752. DOI: [10.1111/zsc.12252](https://doi.org/10.1111/zsc.12252)

Delroisse, J.; **Ullrich-Lüter, E.**; Blaue, S.; Eeckhaut, I.; Flammang, P.; Mallefet, J. (2017). Fine structure of the luminous spines and luciferase detection in the brittle star Amphiura filiformis. *Zoologischer Anzeiger, 269*: 1-12. DOI: [10.1016/j.jcz.2017.05.001](https://doi.org/10.1016/j.jcz.2017.05.001)

Delroisse, J.; **Ullrich-Lüter, E.**; Blaue, S.; Ortega-Martinez, O.; Eeckhaut, I.; Flammang, P.; Mallefet, J. (2017). A puzzling homology: a brittle star using a putative cnidarian-type luciferase for bioluminescence. *Open Biology, 7 (4)*: 160300. DOI: [10.1098/rsob.160300](https://doi.org/10.1098/rsob.160300)

**Dittrich, C.**; **Struck, U.**;  **Rödel, M.O** (2017). Stable isotope analyses - A method to distinguish intensively farmed from wild frogs. *Ecology and Evolution, 7 (8)*: 2525-2534. DOI: [10.1002/ece3.2878](https://doi.org/10.1002/ece3.2878)

Doménech-Carbó, A.; Scholz, F.; **Schmitt, R.**; Usera, J.; Forner, A.; De La Fuente-Arévalo, E.; Chinnaya, J.; Piquero-Cilla, J.; Montoya, N. (2017). Electrochemical characterization of natural gold samples using the voltammetry of immobilized particles. *Electrochemistry Communications, 85*: 23-26. DOI: [10.1016/j.elecom.2017.10.013](https://doi.org/10.1016/j.elecom.2017.10.013)

Drakulić, S.; Feldhaar, H.; Lisičić, D.; Mioč, M.; Cizelj, I.; Seiler, M.; Spatz, T.;  **Rödel, M.O** (2017). Local differences of thermal preferences in European common frog ( Rana temporaria Linnaeus, 1758) tadpoles. *Zoologischer Anzeiger, 286*: 47-54. DOI: [10.1016/j.jcz.2017.04.005](https://doi.org/10.1016/j.jcz.2017.04.005)

Dunhill, A.; Hannisdal, B.; **Brocklehurst, N.**; Benton, M. (2017). On formation-based sampling proxies and why they should not be used to correct the fossil record. *Palaeontology, 61 (1)*: 119-132. DOI: [10.1111/pala.12331](https://doi.org/10.1111/pala.12331)

**Dunlop, J.** (2017). Systematics of the Coal Measures whip spiders (Arachnida: Amblypygi). *Zoologischer Anzeiger, 273*: 14-22. DOI: [10.1016/j.jcz.2017.11.004](https://doi.org/10.1016/j.jcz.2017.11.004)

**Dunlop, J.**; **Friederichs, A.**; Langermann, J. (2017). A catalogue of the scutigeromorph centipedes in the Museum für Naturkunde, Berlin. *Zoosystematics and Evolution, 93 (2)*: 281-295. DOI: [10.3897/zse.93.12882](https://doi.org/10.3897/zse.93.12882)

Ebert, M.; **Hecht, L.**; **Hamann, C.**; **Luther, R.** (2017). Laser-induced melting experiments: Simulation of short-term high-temperature impact processes. *Meteoritics & Planetary Science, 52 (7)*: 1475-1494. DOI: [10.1111/maps.12809](https://doi.org/10.1111/maps.12809)

Ebert, M.; Kowitz, A.; **Schmitt, R.**; **Reimold, W.U.;** Mansfeld, U.; Langenhorst, F. (2017). Localized shock-induced melting of sandstone at low shock pressures (<17.5 GPa): An experimental study. *Meteoritics & Planetary Science, 53 (8)*: 1633-1643. DOI: [10.1111/maps.12948](https://doi.org/10.1111/maps.12948)

**Ferner, K.**; Schultz, J.; Zeller, U. (2017). Comparative anatomy of neonates of the three major mammalian groups (monotremes, marsupials, placentals) and implications for the ancestral mammalian neonate morphotype. *Journal of Anatomy, 231 (6)*: 798-822. DOI: [10.1111/joa.12689](https://doi.org/10.1111/joa.12689)

Ferreira-Cardoso, S.; Araújo, R.; Martins, N.; Martins, G.; Walsh, S.; Martins, R.; Kardjilov, N.; Manke, I.; Hilger, A.; Castanhinha, R. (2017). Floccular fossa size is not a reliable proxy of ecology and behaviour in vertebrates. *Scientific Reports, 7 (2005)*: 1-11. DOI: [10.1038/s41598-017-01981-0](https://doi.org/10.1038/s41598-017-01981-0)

Finck, J.; Ronacher, B. (2017). Components of reproductive isolation between the closely related grasshopper species Chorthippus biguttulus and C. mollis. *Behavioral Ecology and Sociobiology, 71 (4)*: 1-12. DOI: [10.1007/s00265-017-2295-3](https://doi.org/10.1007/s00265-017-2295-3)

Foster, W.; Danise, S.; Price, G.; Twitchett, R. (2017). Subsequent biotic crises delayed marine recovery following the late Permian mass extinction event in northern Italy. *PLOS ONE, 12 (3)*: e0172321. DOI: [10.1371/journal.pone.0172321](https://doi.org/10.1371/journal.pone.0172321)

Foster, W.; Sebe, K. (2017). Recovery and diversification of marine communities following the late Permian mass extinction event in the western Palaeotethys. *Global and Planetary Change, 155*: 165-177. DOI: [10.1016/j.gloplacha.2017.07.009](https://doi.org/10.1016/j.gloplacha.2017.07.009)

Franz, G.; Khomenko, V.; Vishnyevskyy, A.; Wirth, R.; **Struck, U.**; Nissen, J.; Gernert, U.; Rocholl, A. (2017). Biologically mediated crystallization of buddingtonite in the Paleoproterozoic: Organic-igneous interactions from the Volyn pegmatite, Ukraine. *American Mineralogist, 102 (10)*: 2119-2135. DOI: [10.2138/am-2017-6055](https://doi.org/10.2138/am-2017-6055)

**Frisch, J.** (2017). On the distribution of Scaphisoma obenbergeri Löbl, 1963, with the first record from Hesse, Germany (Staphylinidae: Scaphidiinae). *Entomologische Zeitschrift, 127 (4)*: 245-249

Fritsch, M.; Richter, S. (2017). Unexpected UBX expression in the maxilliped of the mystacocarid crustacean Derocheilocharis remanei—evidence for a different way of making a maxilliped?. *Development Genes and Evolution, 227 (4)*: 289-296. DOI: [10.1007/s00427-017-0586-3](https://doi.org/10.1007/s00427-017-0586-3)

Fritz, J.; **Greshake, A.**; Fernandes, V. (2017). Revising the shock classification of meteorites. *Meteoritics & Planetary Science, 52 (6)*: 1216-1232. DOI: [10.1111/maps.12845](https://doi.org/10.1111/maps.12845)

**Frommolt, K.-H. K.-H.** (2017). Information obtained from long-term acoustic recordings: applying bioacoustic techniques for monitoring wetland birds during breeding season. *Journal of Ornithology, 158 (3)*: 659-668. DOI: [10.1007/s10336-016-1426-3](https://doi.org/10.1007/s10336-016-1426-3)

Fujimoto, S.; **Yamasaki, H.** (2017). A new genus and species of Renaudarctidae (Heterotardigrada: Arthrotardigrada) from Ryukyu Archipelago, Japan. *Marine Biology Research, 13 (3)*: 288-299. DOI: [10.1080/17451000.2016.1257809](https://doi.org/10.1080/17451000.2016.1257809)

Garwood, R.; **Dunlop, J.**; Knecht, B.; Hegna, T. (2017). The phylogeny of fossil whip spiders. *BMC Evolutionary Biology, 17 (105)*: 1-14. DOI: [10.1186/s12862-017-0931-1](https://doi.org/10.1186/s12862-017-0931-1)

Gauffre-Autelin, P.; **Von Rintelen, T.**; Stelbrink, B.; Albrecht, C. (2017). Recent range expansion of an intermediate host for animal schistosome parasites in the Indo-Australian Archipelago: phylogeography of the freshwater gastropod Indoplanorbis exustus in South and Southeast Asia. *Parasites & Vectors, 10 (126)*: 1-15. DOI: [10.1186/s13071-017-2043-6](https://doi.org/10.1186/s13071-017-2043-6)

Gilasian, E.; Talebi, A.; **Ziegler, J.**; Manzari, S.; Parchami-Araghi, M. (2017). New records of the subfamily Phasiinae (Diptera: Tachinidae) from Iran. *Journal of Insect Biodiversity and Systematics, 3 (1)*: 7-19

Grau, J.; **Dunlop, J.**; Meixner, M.; Tappe, D. (2017). The complete mitochondrial genome of the pentastomid Armillifer grandis (Pentastomida) from the Democratic Republic of Congo. *Mitochondrial DNA Part B, 2 (1)*: 287-288. DOI: [10.1080/23802359.2017.1325341](https://doi.org/10.1080/23802359.2017.1325341)

Grau, J.; **Hilgers, L.**; Altmüller, J.; Šlechtová, V.; Bohlen, J. (2017). The complete mitochondrial transcript of the red tail loach Yasuhikotakia modesta as assembled from RNAseq (Teleostei: Botiidae). *Mitochondrial DNA Part B, 2 (1)*: 46-47. DOI: [10.1080/23802359.2016.1275851](https://doi.org/10.1080/23802359.2016.1275851)

Grau, J.; Nagy, M.; **Coraman, E.**; **Mayer, F.** (2017). The complete mitochondrial genome of the lesser sac-winged bat Saccopteryx leptura (Chiroptera: Emballonuridae) from Costa Rica. *Mitochondrial DNA Part B, 2 (1)*: 234-235. DOI: [10.1080/23802359.2017.1318679](https://doi.org/10.1080/23802359.2017.1318679)

Guenther, R. (2017). A redescription, a revalidation, and a new description within the microhylid genus Austrochaperina (Anura: Microhylidae). *Vertebrate Zoology, 67 (2)*: 207-222

**Güldemeister, N.**; **Wünnemann, K.** (2017). Quantitative analysis of impact-induced seismic signals by numerical modeling. *Icarus, 296*: 15-27. DOI: [10.1016/j.icarus.2017.05.010](https://doi.org/10.1016/j.icarus.2017.05.010)

**Günther, L.**; **Knörnschild, M.**; Nagy, M.; **Mayer, F.** (2017). The evolution of a rare mammalian trait – benefits and costs of male philopatry in proboscis bats. *Scientific Reports, 7*: 1-14. DOI: [10.1038/s41598-017-15990-6](https://doi.org/10.1038/s41598-017-15990-6)

**Günther, R.**; Richards, S. (2017). Three new species of the microhylid frog genus Choerophryne (Amphibia, Anura, Microhylidae) from Papua New Guinea. *Zoosystematics and Evolution, 93 (2)*: 265-279. DOI: [10.3897/zse.93.11576](https://doi.org/10.3897/zse.93.11576)

Güntsch, A.; Hyam, R.; **Hagedorn, G.**; Chagnoux, S.; Röpert, D.; Casino, A.; Droege, G.; **Glöckler, F.**; Gödderz, K.; Groom, Q.; **Hoffmann, J.**; Holleman, A.; Kempa, M.; Koivula, H.; Marhold, K.; Nicolson, N.; Smith, V.; Triebel, D. (2017). Actionable, long-term stable and semantic web compatible identifiers for access to biological collection objects. *Database, 2017*: 1-9. DOI: [10.1093/database/bax003](https://doi.org/10.1093/database/bax003)

**Gutsche, A.**; **Tillack, F.**; **Mahlow, K.** (2017). Rediscovery and description of the holotype of Oedipus paraensis Unterstein, 1930 (Amphibia, Plethodontidae), and invalidation of the neotype. *Zootaxa, 4282 (2)*: 395. DOI: [10.11646/zootaxa.4282.2.12](https://doi.org/10.11646/zootaxa.4282.2.12)

Haase, P.; Tonkin, J.; Stoll, S.; Burkhard, B.; Frenzel, M.; Geijzendorffer, I.; **Häuser, C.**; Klotz, S.; Kühn, I.; Mcdowell, W.; Mirtl, M.; Müller, F.; Musche, M.; **Penner, J.**; Zacharias, S.; Schmeller, D. (2017). The next generation of site-based long-term ecological monitoring: Linking essential biodiversity variables and ecosystem integrity. *Science of The Total Environment, 613–614*: 1376-1384. DOI: [10.1016/j.scitotenv.2017.08.111](https://doi.org/10.1016/j.scitotenv.2017.08.111)

Hallis, L.; Huss, G.; Nagashima, K.; Taylor, G.; **Stöffler, D.**; Smith, C.; Lee, M. (2017). Effects of shock and Martian alteration on Tissint hydrogen isotope ratios and water content. *Geochimica et Cosmochimica Acta, 200*: 280-294. DOI: [10.1016/j.gca.2016.12.035](https://doi.org/10.1016/j.gca.2016.12.035)

Harms, D.; **Dunlop, J.** (2017). The fossil history of pseudoscorpions (Arachnida: Pseudoscorpiones). *Fossil Record, 20 (2)*: 215-238. DOI: [10.5194/fr-20-215-2017](https://doi.org/10.5194/fr-20-215-2017)

**Hartung, V.**; Garrouste, R.; Nel, A. (2017). The first fossil Dipsocoridae found in the early Eocene amber of France (Hemiptera: Heteroptera). *Comptes Rendus Palevol, 16 (7)*: 715-720. DOI: [10.1016/j.crpv.2017.05.008](https://doi.org/10.1016/j.crpv.2017.05.008)

Hauser, N.; Cabaleri, N.; Gallego, O.; Monferran, M.; Silva Nieto, D.; Armella, C.; Matteini, M.; Aparicio González, P.; Pimentel, M.; Volkheimer, W.; **Reimold, W.U.** (2017). U-Pb and Lu-Hf zircon geochronology of the Cañadón Asfalto Basin, Chubut, Argentina: Implications for the magmatic evolution in central Patagonia. *Journal of South American Earth Sciences, 78*: 190-212. DOI: [10.1016/j.jsames.2017.05.001](https://doi.org/10.1016/j.jsames.2017.05.001)

Hautmann, M.; **Ware, D.**; Bucher, H. (2017). Geologically oldest oysters were epizoans on Early Triassic ammonoids. *Journal of Molluscan Studies*: 253-260. DOI: [10.1093/mollus/eyx018](https://doi.org/10.1093/mollus/eyx018)

Hipsley, C.; **Müller, J.** (2017). Developmental dynamics of ecomorphological convergence in a transcontinental lizard radiation. *Evolution, 71 (4)*: 936-948. DOI: [10.1111/evo.13186](https://doi.org/10.1111/evo.13186).

 **Hirschfeld, M.**;  **Rödel, M.O** (2017). What makes a successful species? Traits facilitating survival in altered tropical forests. *BMC Ecology, 17 (25)*: 1-12. DOI: [10.1186/s12898-017-0135-y](https://doi.org/10.1186/s12898-017-0135-y)

**Hoch, H.**; Bourgoin, T.; Faille, A.; Soulier-Perkins, A. (2017). A New Species of Bennini (Hemiptera, Cixiidae) from Granitic Subterranean Environment in Vietnam, an Under-Investigated Biotope. *Annales Zoologici, 67 (1)*: 1-12. DOI: [10.3161/00034541anz2017.67.1.001](https://doi.org/10.3161/00034541anz2017.67.1.001)

Hoehnel, D.; **Reimold, W.U.;** Altenberger, U.; Hofmann, A.; **Mohr-Westheide, T.**; Özdemir, S.; Koeberl, C. (2017). Petrographic and Micro-XRF analysis of multiple archean impact-derived spherule layers in drill core CT3 from the northern Barberton Greenstone Belt (South Africa). *Journal of African Earth Sciences, 138*: 264-288. DOI: [10.1016/j.jafrearsci.2017.11.020](https://doi.org/10.1016/j.jafrearsci.2017.11.020)

**Hofmann, R.** (2017). Trace Fossils of the Werfen Formation. *Geo.Alp, 14*: 93-105

Hohl, S.; Becker, H.; Jiang, S.; Ling, H.; Guo, Q.; **Struck, U.** (2017). Geochemistry of Ediacaran cap dolostones across the Yangtze Platform, South China: implications for diagenetic modification and seawater chemistry in the aftermath of the Marinoan glaciation. *Journal of the Geological Society, 175 (5)*: 893-912. DOI: [10.1144/jgs2016-145](https://doi.org/10.1144/jgs2016-145)

Hoinsoude Segniagbeto, G.; Assou, D.; Dendi, D.;  **Rödel, M.O**; Ohler, A.; Dubois, A.; Luiselli, L. (2017). The distribution and local density of the critically endangered frog, Conraua derooi Hulselmans, 1972 in Togo, West Africa. *The Herpetological Bulletin, 141 (141)*: 23-24

Hyžný, M.; Ossó, À.; Summesberger, H.; **Neumann, C.**; Jagt, J.; Vega, F. (2017). New Late Cretaceous records of Cenomanocarcinus (Decapoda, Brachyura, Palaeocorystoidea) from Austria and Germany. *Cretaceous Research, 87*: 218-225. DOI: [10.1016/j.cretres.2017.05.016](https://doi.org/10.1016/j.cretres.2017.05.016)

Jain, K.; **Stephan, W.** (2017). Rapid Adaptation of a Polygenic Trait After a Sudden Environmental Shift. *Genetics, 206 (1)*: 389-406. DOI: [10.1534/genetics.116.196972](https://doi.org/10.1534/genetics.116.196972)

Jain, K.; **Stephan, W.** (2017). Modes of Rapid Polygenic Adaptation. *Molecular Biology and Evolution, 34 (12)*: 3169-3175. DOI: [10.1093/molbev/msx240](https://doi.org/10.1093/molbev/msx240)

Jessen, G.; Lichtschlag, A.; Ramette, A.; Pantoja, S.; Rossel, P.; Schubert, C.; **Struck, U.**; Boetius, A. (2017). Hypoxia causes preservation of labile organic matter and changes seafloor microbial community composition (Black Sea). *Science Advances, 3 (2)*: e1601897. DOI: [10.1126/sciadv.1601897](https://doi.org/10.1126/sciadv.1601897)

Jongsma, G.; Barej, M.; Barratt, C.; Burger, M.; Conradie, W.; Ernst, R.; Greenbaum, E.; **Hirschfeld, M.**; Leaché, A.; **Penner, J.**; Portik, D.; Zassi-Boulou, A.;  **Rödel, M.O**; Blackburn, D. (2017). Diversity and biogeography of frogs in the genus Amnirana (Anura: Ranidae) across sub-Saharan Africa. *Molecular Phylogenetics and Evolution, 120*: 274-285. DOI: [10.1016/j.ympev.2017.12.006](https://doi.org/10.1016/j.ympev.2017.12.006).

Joos, J.; **Kirchner, M.**; Vamberger, M.; Kaviani, M.; Rahimibashar, M.; Fritz, U.; **Müller, J.** (2017). Climate and patterns of body size variation in the European pond turtle, Emys orbicularis. *Biological Journal of the Linnean Society, 122 (2)*: 351-365. DOI: [10.1093/biolinnean/blx056](https://doi.org/10.1093/biolinnean/blx056)

Jung, T.; Choi, H.; Kim, M.; Yoon, S. (2017). Two new species of amphipods (Crustacea: Amphipoda: Photidae) from Korean waters with a redescription of Gammaropsis longipropodi. *Zootaxa, 4300 (3)*: 380. DOI: [10.11646/zootaxa.4300.3.3](https://doi.org/10.11646/zootaxa.4300.3.3)

Jung, T.; **Coleman, C.**; Yoon, S. (2017). Pseudorchomene boreoplebs, a new lysianassid amphipod from Korean waters (Crustacea, Amphipoda, Lysianassoidea). *Zoosystematics and Evolution, 93 (2)*: 343-352. DOI: [10.3897/zse.93.20482](https://doi.org/10.3897/zse.93.20482).

Jung, T.; **Coleman, C.**; Yoon, S. (2017). Aroui minusetosus, a new species of Scopelocheiridae from Korea (Crustacea, Amphipoda, Lysianassoidea). *ZooKeys, 706*: 17-29. DOI: [10.3897/zookeys.706.20007](https://doi.org/10.3897/zookeys.706.20007)

Jung, T.; Yi, C.; **Coleman, C.**; Yoon, S. (2017). Two new lysianassoid amphipods of the genus Orchomenella (Amphipoda, Lysianassoidea, Lysianassidae, Tryphosinae) from South Korea. *Crustaceana, 90 (13)*: 1641-1664. DOI: [10.1163/15685403-00003740](https://doi.org/10.1163/15685403-00003740).

 Kilbourne, B. (2017). Selective regimes and functional anatomy in the mustelid forelimb: Diversification toward specializations for climbing, digging, and swimming. *Ecology and Evolution, 7 (21)*: 8852-8863. DOI: [10.1002/ece3.3407](https://doi.org/10.1002/ece3.3407)

Kilbourne, B.; Carrier, D. (2017). Manipulated Changes in Limb Mass and Rotational Inertia in Trotting Dogs (Canis lupus familiaris) and Their Effect on Limb Kinematics. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*: 665-674. DOI: [10.1002/jez.2059](https://doi.org/10.1002/jez.2059)

Kim, J.; Jung, T.; Yoon, S. (2017). A new species of the genus Halectinosoma (Copepoda, Harpacticoida, Ectinosomatidae) from Korea. *Proceedings of the Biological Society of Washington, 130 (1)*: 52-74. DOI: [10.2988/15-00020](https://doi.org/10.2988/15-00020)

**Kirchhof, S.**; Hetem, R.; Lease, H.; Miles, D.; Mitchell, D.; **Müller, J.**;  **Rödel, M.O**; Sinervo, B.; Wassenaar, T.; Murray, I. (2017). Thermoregulatory behavior and high thermal preference buffer impact of climate change in a Namib Desert lizard. *Ecosphere, 8 (12)*: e02033. DOI: [10.1002/ecs2.2033](https://doi.org/10.1002/ecs2.2033)

**Kirchhof, S.**; **Penner, J.**;  **Rödel, M.O**; **Müller, J.** (2017). Resolution of the types, diagnostic features, and distribution of two easily confused Sand Lizards, Pedioplanis laticeps (Smith, 1845) and P. burchelli (Duméril & Bibron, 1839) (Squamata: Lacertidae). *Zootaxa, 4318 (1)*: 82. DOI: [10.11646/zootaxa.4318.1.3](https://doi.org/10.11646/zootaxa.4318.1.3)

Klug, C.; Frey, L.; Pohle, A.; De Baets, K.; **Korn, D.** (2017). Palaeozoic evolution of animal mouthparts. *Bulletin of Geosciences, 92 (4)*: 511-524. DOI: [10.3140/bull.geosci.1648](https://doi.org/10.3140/bull.geosci.1648)

**Knörnschild, M.**; Blüml, S.; Steidl, P.; Eckenweber, M.; Nagy, M. (2017). Bat songs as acoustic beacons - male territorial songs attract dispersing females. *Scientific Reports, 7*: 1-11. DOI: [10.1038/s41598-017-14434-5](https://doi.org/10.1038/s41598-017-14434-5)

Köhler, J.; Jansen, M.; Rodríguez, A.; Kok, P.; Toledo, L.; **Emmrich, M.**; Glaw, F.; Haddad, C.;  **Rödel, M.O**; Vences, M. (2017). The use of bioacoustics in anuran taxonomy: theory, terminology, methods and recommendations for best practice. *Zootaxa, 4251 (1)*: 1. DOI: [10.11646/zootaxa.4251.1.1](https://doi.org/10.11646/zootaxa.4251.1.1)

**Korn, D.** (2017). The genus Gonioclymenia (Ammonoidea; Late Devonian) in Central Europe. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen, 284 (3)*: 258-286. DOI: [10.1127/njgpa/2017/0662](https://doi.org/10.1127/njgpa/2017/0662)

**Korn, D.** (2017). Goniatites sphaericus (Sowerby, 1814), the archetype of Palaeozoic ammonoids: a case of decreasing phenotypic variation through ontogeny. *PalZ, 91 (3)*: 337-352. DOI: [10.1007/s12542-017-0366-4](https://doi.org/10.1007/s12542-017-0366-4)

**Korn, D.**; Bockwinkel, J. (2017). The genus Gonioclymenia (Ammonoidea; Late Devonian) in the Anti-Atlas of Morocco. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen, 285 (1)*: 97-115. DOI: [10.1127/njgpa/2017/0672](https://doi.org/10.1127/njgpa/2017/0672)

**Korn, D.**; Malti, F.; Benyoucef, M.; Bockwinkel, J.; Ebbighausen, V. (2017). The late Famennian ammonoid succession in the vicinity of Béni Abbès (Saoura Valley, Algeria). *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen, 285 (2)*: 123-159. DOI: [10.1127/njgpa/2017/0674](https://doi.org/10.1127/njgpa/2017/0674)

**Lasseck, M.** (2017). Image-based Plant Species Identification with Deep Convolutional Neural Networks. *CEUR Workshop Proceedings, 1866*: 1-11

Leaché, A.; Grummer, J.; Miller, M.; Krishnan, S.; Fujita, M.; Böhme, W.; Schmitz, A.; Lebreton, M.; Ineich, I.; Chirio, L.; Ofori-Boateng, C.; Eniang, E.; Greenbaum, E.;  **Rödel, M.O**; Wagner, P. (2017). Bayesian inference of species diffusion in the West African Agama agama species group (Reptilia, Agamidae). *Systematics and Biodiversity, 15 (3)*: 192-203. DOI: [10.1080/14772000.2016.1238018](https://doi.org/10.1080/14772000.2016.1238018)

Liedtke, H.; Müller, H.; Hafner, J.; **Penner, J.**; Gower, D.; Mazuch, T.;  **Rödel, M.O**; Loader, S. (2017). Terrestrial reproduction as an adaptation to steep terrain in African toads. *Proceedings of the Royal Society B: Biological Sciences, 284 (1851)*: 20162598. DOI: [10.1098/rspb.2016.2598](https://doi.org/10.1098/rspb.2016.2598)

Liston, A.; Goergen, G.; **Koch, F.** (2017). Revisions of the Afrotropical genera of Argidae and species of Pampsilota Konow, 1899 (Hymenoptera, Tenthredinoidea). *Deutsche Entomologische Zeitschrift, 64 (1)*: 1-25. DOI: [10.3897/dez.64.10800](https://doi.org/10.3897/dez.64.10800)

Liston, A.; **Koch, F.** (2017). Revision of the Afrotropical genus Distega KONOW, 1904 (Hymenoptera: Symphyta: Tenthredinidae: Blennocampinae).. *Mitteilungen der Münchner Entomologischen Gesellschaft, 107*: 43-112

**Lohrmann, V.**; Engel, M. (2017). The wasp larva's last supper: 100 million years of evolutionary stasis in the larval development of rhopalosomatid wasps (Hymenoptera: Rhopalosomatidae). *Fossil Record, 20 (2)*: 239-244. DOI: 10.5194/fr-20-239-2017

Lukhaup, C.; Eprilurahman, R.; **Von Rintelen, T.** (2017). Cherax warsamsonicus, a new species of crayfish from the Kepala Burung (Vogelkop) peninsula in West Papua, Indonesia (Crustacea, Decapoda, Parastacidae). *ZooKeys, 660*: 151-167. DOI: [10.3897/zookeys.660.11847](https://doi.org/10.3897/zookeys.660.11847)

**Lüter, C.**; Ebeling, N.; **Aberhan, M.** (2017). Detecting hybridization between sister species of Terebratulina (Brachiopoda, Cancellothyridoidea) in the North Atlantic: morphology versus molecules. *Scientific Reports, 7*: 1-8. DOI: [10.1038/s41598-017-09195-0](https://doi.org/10.1038/s41598-017-09195-0)

**Luther, R.**; Artemieva, N.; Ivanova, M.; Lorenz, C.; **Wünnemann, K.** (2017). Snow carrots after the Chelyabinsk event and model implications for highly porous solar system objects. *Meteoritics & Planetary Science, 52 (5)*: 979-999. DOI: [10.1111/maps.12831](https://doi.org/10.1111/maps.12831)

Lu, X.; Zhang, W.; **Ohl, M.**; Liu, X. (2017). The first moth lacewing (Insecta: Neuroptera: Ithonidae) from the mid-Cretaceous amber of Myanmar. *Cretaceous Research, 78*: 78-83. DOI: [10.1016/j.cretres.2017.05.027](https://doi.org/10.1016/j.cretres.2017.05.027)

Lu, X.; Zhang, W.; **Ohl, M.**; Liu, X. (2017). New genus and species of silky lacewing (Insecta: Neuroptera: Psychopsidae) from the mid-Cretaceous Burmese amber. *Zootaxa, 4291 (2)*: 373-383. DOI: [10.11646/zootaxa.4291.2.9](https://doi.org/10.11646/zootaxa.4291.2.9)

Mansfeld, U.; Langenhorst, F.; Ebert, M.; Kowitz, A.; **Schmitt, R.** (2017). Microscopic evidence of stishovite generated in low-pressure shock experiments on porous sandstone: Constraints on its genesis. *Meteoritics & Planetary Science, 52 (7)*: 1449-1464. DOI: [10.1111/maps.12867](https://doi.org/10.1111/maps.12867)

**Martellato, E.**; Vivaldi, V.; Massironi, M.; Cremonese, G.; Marzari, F.; Ninfo, A.; Haruyama, J. (2017). Is the Linné impact crater morphology influenced by the rheological layering on the Moon's surface? Insights from numerical modeling. *Meteoritics & Planetary Science, 52 (7)*: 1388-1411. DOI: [10.1111/maps.12892](https://doi.org/10.1111/maps.12892)

Martindale, R.; **Aberhan, M.** (2017). Response of macrobenthic communities to the Toarcian Oceanic Anoxic Event in northeastern Panthalassa (Ya Ha Tinda, Alberta, Canada). *Palaeogeography, Palaeoclimatology, Palaeoecology, 478*: 103-120. DOI: [10.1016/j.palaeo.2017.01.009](https://doi.org/10.1016/j.palaeo.2017.01.009)

Martinelli, A.; Kammerer, C.; Melo, T.; Paes Neto, V.; Ribeiro, A.; Da-Rosa, Á.; Schultz, C.; Soares, M. (2017). The African cynodont Aleodon (Cynodontia, Probainognathia) in the Triassic of southern Brazil and its biostratigraphic significance. *PLOS ONE, 12 (6)*: e0177948. DOI: [10.1371/journal.pone.0177948](https://doi.org/10.1371/journal.pone.0177948)

Mathai, J.; Sollmann, R.; Meredith, M.; Belant, J.; Niedballa, J.; Buckingham, L.; Wong, S.; **Asad, S.**; Wilting, A. (2017). Fine-scale distributions of carnivores in a logging concession in Sarawak, Malaysian Borneo. *Mammalian Biology - Zeitschrift für Säugetierkunde, 86*: 56-65. DOI: [10.1016/j.mambio.2017.04.002](https://doi.org/10.1016/j.mambio.2017.04.002)

Mennecart, B.; Demiguel, D.; **Bibi, F.**; Rössner, G.; Métais, G.; Neenan, J.; Wang, S.; Schulz, G.; Müller, B.; Costeur, L. (2017). Bony labyrinth morphology clarifies the origin and evolution of deer. *Scientific Reports, 7*: 1-11. DOI: [10.1038/s41598-017-12848-9](https://doi.org/10.1038/s41598-017-12848-9)

Mestre, M.; Ferrera, I.; Borrull, E.; Ortega-Retuerta, E.; **Mbedi, S.**; Grossart, H.; Gasol, J.; Sala, M. (2017). Spatial variability of marine bacterial and archaeal communities along the particulate matter continuum. *Molecular Ecology*: 6827-6840. DOI: [10.1111/mec.14421](https://doi.org/10.1111/mec.14421)

**Mey, W.** (2017). A new species of Prototheora from Zimbabwe, with additional collecting records of the genus in South Africa (Lepidoptera: Hepialidae). *Metamorphosis : Official Journal of the Lepidopterists' Society of Africa, 28*: 26-28

**Mey, W.**; Wichard, W.; Müller, P.; Wang, B. (2017). The blueprint of the Amphiesmenoptera - Tarachoptera, a new order of insects from Burmese amber (Insecta, Amphiesmenoptera). *Fossil Record, 20 (2)*: 129-145. DOI: [10.5194/fr-20-129-2017](https://doi.org/10.5194/fr-20-129-2017)

Mlíkovský, J.; **Frahnert, S.** (2017). Type specimens and type localities of birds (Aves) collected during F. J. F. Meyen’s circumnavigation in 1830–1832. *Zootaxa, 4250 (1)*: 1-22. DOI: [10.11646/zootaxa.4250.1.1](https://doi.org/10.11646/zootaxa.4250.1.1)

Monarrez, P.; **Aberhan, M.**; Holland, S. (2017). Regional and environmental variation in escalatory ecological trends during the Jurassic: a western Tethys hotspot for escalation?. *Paleobiology*: 569-586. DOI: [10.1017/pab.2017.12](https://doi.org/10.1017/pab.2017.12)

Moreau, J.; Kohout, T.; **Wünnemann, K.** (2017). Shock-darkening in ordinary chondrites: Determination of the pressure-temperature conditions by shock physics mesoscale modeling. *Meteoritics & Planetary Science, 52 (11)*: 2375-2390. DOI: [10.1111/maps.12935](https://doi.org/10.1111/maps.12935)

Moreira, G.; Eltz, R.; Pase, R.; Silva, G.; Bordignon, S.; **Mey, W.**; Gonçalves, G. (2017). Cecidonius pampeanus, gen. et sp. n.: an overlooked and rare, new gall-inducing micromoth associated with Schinus in southern Brazil (Lepidoptera, Cecidosidae). *ZooKeys, 695*: 37-74. DOI: [10.3897/zookeys.695.13320](https://doi.org/10.3897/zookeys.695.13320)

Naderi, S.; Dietz, C.; Mirzajani, A.; **Mayer, F.** (2017). First record of Nathusius’ Pipistrelle, Pipistrellus nathusii (Mammalia: Chiroptera), from Iran. *Zoology in the Middle East, 63 (1)*: 93-94. DOI: [10.1080/09397140.2017.1292646](https://doi.org/10.1080/09397140.2017.1292646)

Navai, S.; Dominiak, P.; Szadziewski, R. (2017). Vertebrate Blood-Feeding Biting Midges of the Subgenus Lasiohelea Kieffer of Forcipomyia Meigen in Europe (Diptera: Ceratopogonidae) with New Synonyms. *Annales Zoologici, 67 (4)*: 823-835. DOI: [10.3161/00034541anz2017.67.4.016](https://doi.org/10.3161/00034541anz2017.67.4.016)

Ndongo, P.; Cumberlidge, N.; Poettinger, T.; **Rintelen, T.**; Tamesse, J.; Schubart, C. (2017). Molecular evidence for the assignment of the Cameroonian freshwater crab genus Louisea Cumberlidge, 1994, to the Afrotropical subfamily Potamonautinae Bott, 1970 (Crustacea: Potamoidea: Potamonautidae). *Zootaxa, 4286 (3)*: 439-444. DOI: [10.11646/zootaxa.4286.3.12](https://doi.org/10.11646/zootaxa.4286.3.12)

Ndongo, P.; **Rintelen, T.**; Schubart, C.; Albrecht, C.; Tamesse, J.; Cumberlidge, N. (2017). New data on the taxonomy, ecology, and conservation of the rediscovered Louisea edeaensis (Bott, 1969) (Brachyura: Potamoidea: Potamonautidae), an endangered freshwater crab from Cameroon. *Zootaxa, 4231 (2)*: 273-280. DOI: [10.11646/zootaxa.4231.2.9](https://doi.org/10.11646/zootaxa.4231.2.9)

Ndongo, P.; Schubart, C.; **Rintelen, T.**; Tamesse, J.; Cumberlidge, N. (2017). Morphological and molecular evidence for a new species of freshwater crab of the genus Sudanonautes Bott, 1955 (Brachyura: Potamoidea: Potamonautidae) from Cameroon, with notes on its ecology. *Zootaxa, 4242 (1)*: 161-173. DOI: [10.11646/zootaxa.4242.1.8](https://doi.org/10.11646/zootaxa.4242.1.8)

Ndriantsoa, S.; Riemann, J.; Raminosoa, N.;  **Rödel, M.O**; Glos, J. (2017). Amphibian Diversity in the Matrix of a Fragmented Landscape Around Ranomafana in Madagascar Depends on Matrix Quality. *Tropical Conservation Science, 10*: 1-16. DOI: [10.1177/1940082916686065](https://doi.org/10.1177/1940082916686065)

**Neuhaus, B.** (2017). Redescription of Tubulideres seminoli Sørensen et al., 2007 and notes on Wollunquaderes majkenae Sørensen & Thormar, 2010 (Kinorhyncha, Cyclorhagida): Morphology, postembryonic development, life cycle, and new characters. *Zoologischer Anzeiger, 270*: 123-154. DOI: [10.1016/j.jcz.2017.09.004](https://doi.org/10.1016/j.jcz.2017.09.004)

**Neuhaus, B.**; Schmid, T.; Riedel, J. (2017). Collection management and study of microscope slides: Storage, profiling, deterioration, restoration procedures, and general recommendations. *Zootaxa, 4322 (1)*: 1. DOI: [10.11646/zootaxa.4322.1.1](https://doi.org/10.11646/zootaxa.4322.1.1)

Neumann, D.; Borisenko, A.; Coddington, J.; **Häuser, C.**; Butler, C.; Casino, A.; Vogel, J.; Haszprunar, G.; **Giere, P.** (2017). Global biodiversity research tied up by juridical interpretations of access and benefit sharing. *Organisms Diversity & Evolution, 18 (1)*: 1-12. DOI: [10.1007/s13127-017-0347-1](https://doi.org/10.1007/s13127-017-0347-1)

Nopper, J.; Ranaivojaona, A.; Riemann, J.;  **Rödel, M.O**; Ganzhorn, J. (2017). One Forest Is Not Like Another ‐ The Contribution of Community-Based Natural Resource Management to Reptile Conservation in Madagascar. *Tropical Conservation Science, 10*: 194008291769323. DOI: 10.1177/1940082917693234

Oliveira, G.; Chamani, M.; Góes, A.; Crósta, A.; Vasconcelos, M.; **Reimold, W.U**. (2017). Geological investigation of the central portion of the Santa Marta impact structure, Piauí State, Brazil. *Brazilian Journal of Geology, 47 (4)*: 673-692. DOI: [10.1590/2317-4889201720160095](https://doi.org/10.1590/2317-4889201720160095)

Orliac, M.; Araújo, R.; Lihoreau, F. (2017). The petrosal and bony labyrinth of Diplobune minor, an enigmatic Artiodactyla from the Oligocene of Western Europe. *Journal of Morphology, 278 (9)*: 1168-1184. DOI: [10.1002/jmor.20702](https://doi.org/10.1002/jmor.20702)

Ortiz, A.; Hauser, N.; Becchio, R.; Suzaño, N.; Nieves, A.; Sola, A.; Pimentel, M.; **Reimold, W.U.** (2017). Zircon U-Pb ages and Hf isotopes for the Diablillos Intrusive Complex, Southern Puna, Argentina: Crustal evolution of the Lower Paleozoic Orogen, Southwestern Gondwana margin. *Journal of South American Earth Sciences, 80*: 316-339. DOI: [10.1016/j.jsames.2017.09.031](https://doi.org/10.1016/j.jsames.2017.09.031)

Ozdemir, S.; Schulz, T.; Koeberl, C.; **Reimold, W.U.;** **Mohr-Westheide, T.**; Hoehnel, D.; **Schmitt, R.** (2017). Early Archean spherule layers from the Barberton Greenstone Belt, South Africa: Mineralogy and geochemistry of the spherule beds in the CT3 drill core. *Meteoritics & Planetary Science, 52 (12)*: 2586-2631. DOI: [10.1111/maps.12998](https://doi.org/10.1111/maps.12998)

Panarello, A.; Santello, L.; Belvedere, M.; Mietto, P. (2017). Anthropic artifacts and donkey horseshoe traces looking like fossil human footprints: a case study from the Roccamonfina volcano (central Italy) with implication for human ichnology. *Bollettino della Societa Paleontologica Italiana, 56 (2)*: 277-288

Pantaloni, M.; Console, F.; Lorusso, L.; Petti, F.; Franchini, A.; Porro, A.; **Romano, M.** (2017). Italian physicians’ contribution to geosciences. *Special Publications, 452*: 55-75. DOI: [10.1144/sp452.17](https://doi.org/10.1144/sp452.17)

Pati, J.; Qu, W.; Koeberl, C.; **Reimold, W.U.;** Chakarvorty, M.; **Schmitt, R.** (2017). Geochemical evidence of an extraterrestrial component in impact melt breccia from the Paleoproterozoic Dhala impact structure, India. *Meteoritics & Planetary Science, 52 (4)*: 722-736. DOI: [10.1111/maps.12826](https://doi.org/10.1111/maps.12826)

Patiño, J.; Whittaker, R.; Borges, P.; Fernández-Palacios, J.; Ah-Peng, C.; Araújo, M.; Ávila, S.; Cardoso, P.; Cornuault, J.; De Boer, E.; De Nascimento, L.; Gil, A.; González-Castro, A.; Gruner, D.; Heleno, R.; Hortal, J.; Illera, J.; Kaiser-Bunbury, C.; Matthews, T.; Papadopoulou, A.; Pettorelli, N.; Price, J.; Santos, A.; Steinbauer, M.; Triantis, K.; **Valente, L.**; Vargas, P.; Weigelt, P.; Emerson, B. (2017). A roadmap for island biology: 50 fundamental questions after 50 years of The Theory of Island Biogeography. *Journal of Biogeography, 44 (5)*: 963-983. DOI: [10.1111/jbi.12986](https://doi.org/10.1111/jbi.12986)

Penev, L.; Mietchen, D.; Chavan, V.; **Hagedorn, G.**; Smith, V.; Shotton, D.; Ó Tuama, É.; Senderov, V.; Georgiev, T.; Stoev, P.; Groom, Q.; Remsen, D.; Edmunds, S. (2017). Strategies and guidelines for scholarly publishing of biodiversity data. *Research Ideas and Outcomes, 3*: e12431. DOI: [10.3897/rio.3.e12431](https://doi.org/10.3897/rio.3.e12431)

**Pettibone, L.**; **Vohland, K.**; **Ziegler, D.** (2017). Understanding the (inter)disciplinary and institutional diversity of citizen science: A survey of current practice in Germany and Austria. *PLOS ONE, 12 (6)*: e0178778. DOI: [10.1371/journal.pone.0178778](https://doi.org/10.1371/journal.pone.0178778)

**Piazza, V.**; Hammer, Ø.; Jattiot, R. (2017). New late Smithian (Early Triassic) ammonoids from the Lusitandiadalan Member, Vikinghøgda Formation, Svalbard. *Norwegian Journal of Geology, 97 (2)*: 105-117. DOI: [10.17850/njg97-2-03](https://doi.org/10.17850/njg97-2-03)

**Pimiento, C.**; Griffin, J.; Clements, C.; Silvestro, D.; **Varela, S.**; Uhen, M.; Jaramillo, C. (2017). The Pliocene marine megafauna extinction and its impact on functional diversity. *Nature Ecology & Evolution, 1*: 1100-1106. DOI: [10.1038/s41559-017-0223-6](https://doi.org/10.1038/s41559-017-0223-6)

Podgorny, I. (2017). Manifest ambiguity: Intermediate forms, variation, and mammal paleontology in Argentina, 1830–1880. *Studies in History and Philosophy of Science Part C, 66*: 27-36. DOI: [10.1016/j.shpsc.2017.09.002](https://doi.org/10.1016/j.shpsc.2017.09.002)

Portik, D.; Leaché, A.; Rivera, D.; Barej, M.; Burger, M.; **Hirschfeld, M.**;  **Rödel, M.O**; Blackburn, D.; Fujita, M. (2017). Evaluating mechanisms of diversification in a Guineo-Congolian tropical forest frog using demographic model selection. *Molecular Ecology, 26 (19)*: 5245-5263. DOI: [10.1111/mec.14266](https://doi.org/10.1111/mec.14266)

Prieur, N.; Rolf, T.; **Luther, R.**; **Wünnemann, K.**; Xiao, Z.; Werner, S. (2017). The effect of target properties on transient crater scaling for simple craters ‐ Target Properties and Simple Craters. *Journal of Geophysical Research: Planets, 1222 (8)*: 1704-1726. DOI: 10.1002/2017je005283

Rakotoarison, A.; Scherz, M.; Glaw, F.; Koehler, J.; Andreone, F.; Franzen, M.; Glos, J.; Hawlitschek, O.; Jono, T.; Mori, A.; Ndriantsoa, S.; Rasoamam-Pionona Raminosoa, N.; Riemann, J.; **Roedel, M.**; Rosa, G.; Vieites, D.; Crottini, A.; Vences, M. (2017). Describing the smaller majority: integrative taxonomy reveals twenty-six new species of tiny microhylid frogs (genus Stumpffia) from Madagascar. *Vertebrate Zoology, 67 (3)*: 271-398

Rédei, D.; Kondorosy, E.; Ishikawa, T.; Aukema, B.; Brailosvky, H.; Carapezza, A.; **Deckert, J.**; Dellapé, P.; Gao, C.; Henry, T.; Jung, S.; Kment, P.; Malipatil, M.; O'Donnell, J.; G.E. Scudder, G.; Tomokuni, M.; Tsai, J. (2017). Case 3724 — Metochus abbreviatus Scott, 1874 (Insecta, Heteroptera): proposed precedence over Rhyparochromus erosus Walker, 1872 (currently Metochus erosus). *The Bulletin of Zoological Nomenclature, 74*: 22-27. DOI: [10.21805/bzn.v74.a008](https://doi.org/10.21805/bzn.v74.a008)

**Reimold, W.U.;** Crósta, A.; Koeberl, C.; Hauser, N. (2017). Comment on “Geophysical evidence for a large impact structure on the Falkland (Malvinas) Plateau”. *Terra Nova, 29 (6)*: 409-410. DOI: [10.1111/ter.12284](https://doi.org/10.1111/ter.12284)

**Reimold, W.U.;** Hauser, N.; Hansen, B.; Thirlwall, M.; Hoffmann, M. (2017). The impact pseudotachylitic breccia controversy: Insights from first isotope analysis of Vredefort impact-generated melt rocks. *Geochimica et Cosmochimica Acta, 214*: 266-281. DOI: [10.1016/j.gca.2017.07.040](https://doi.org/10.1016/j.gca.2017.07.040)

Riemann, J.; Ndriantsoa, S.;  **Rödel, M.O**; Glos, J. (2017). Functional diversity in a fragmented landscape — Habitat alterations affect functional trait composition of frog assemblages in Madagascar. *Global Ecology and Conservation, 10*: 173-183. DOI: [10.1016/j.gecco.2017.03.005](https://doi.org/10.1016/j.gecco.2017.03.005)

Rivals, F.; Uno, K.; **Bibi, F.**; Pante, M.; Njau, J.; De La Torre, I. (2017). Dietary traits of the ungulates from the HWK EE site at Olduvai Gorge (Tanzania): Diachronic changes and seasonality. *Journal of Human Evolution, 120*: 203-214. DOI: [10.1016/j.jhevol.2017.08.011](https://doi.org/10.1016/j.jhevol.2017.08.011)

Rix, L.; De Goeij, J.; Van Oevelen, D.; **Struck, U.**; Al-Horani, F.; Wild, C.; Naumann, M. (2017). Reef sponges facilitate the transfer of coral-derived organic matter to their associated fauna via the sponge loop. *Marine Ecology Progress Series, 589*: 85-96. DOI: [10.3354/meps12443](https://doi.org/10.3354/meps12443)

**Romano, M.** (2017). Palaeoecology before ecology: the rise of actualism, palaeoenvironmentes studies and palaeoclimatology in the Italian panorama between the fourteenth and eighteenth centuries. *Italian Journal of Geosciences, 137 (1)*: 16-30. DOI: [10.3301/ijg.2017.14](https://doi.org/10.3301/ijg.2017.14)

**Romano, M.** (2017). Disparity vs. diversity in Stegosauria (Dinosauria, Ornithischia): cranial and post-cranial sub-dataset provide different signals. *Historical Biology*: 1-9. DOI: [10.1080/08912963.2017.1397655](https://doi.org/10.1080/08912963.2017.1397655)

**Romano, M.** (2017). Italian Diluvianism and antidiluvianism within the international arena: the great debate that lasted more than six centuries. *Proceedings of the Geologists' Association, 129 (1)*: 17-39. DOI: [10.1016/j.pgeola.2017.07.001](https://doi.org/10.1016/j.pgeola.2017.07.001)

**Romano, M.**; Avanzini, M. (2017). The skeletons of Cyclops and Lestrigons: misinterpretation of Quaternary vertebrates as remains of the mythological giants. *Historical Biology, 31 (2)*: 1-24. DOI: [10.1080/08912963.2017.1342640](https://doi.org/10.1080/08912963.2017.1342640)

**Romano, M.**; **Brocklehurst, N.**; **Fröbisch, J.** (2017). Discrete and continuous character-based disparity analyses converge to the same macroevolutionary signal: a case study from captorhinids. *Scientific Reports, 7*: 1-9. DOI: [10.1038/s41598-017-17757-5](https://doi.org/10.1038/s41598-017-17757-5)

**Romano, M.**; **Brocklehurst, N.**; **Fröbisch, J.** (2017). The postcranial skeleton of Ennatosaurus tecton (Synapsida, Caseidae). *Journal of Systematic Palaeontology, 16 (13)*: 1-26. DOI: [10.1080/14772019.2017.1367729](https://doi.org/10.1080/14772019.2017.1367729)

**Romano, M.**; **Fröbisch, J.** (2017). Long bone scaling of caseid synapsids: a combined morphometric and cladistic approach. *Lethaia, 50 (4)*: 511-526. DOI: [10.1111/let.12207](https://doi.org/10.1111/let.12207)

**Romano, M.**; Palombo, M. (2017). When legend, history and science rhyme: Hannibal’s war elephants as an explanation to large vertebrate skeletons found in Italy. *Historical Biology, 29 (8)*: 1106-1124. DOI: [10.1080/08912963.2017.1287178](https://doi.org/10.1080/08912963.2017.1287178)

Romero-Alvarez, D.; Escobar, L.; **Varela, S.**; Larkin, D.; Phelps, N. (2017). Forecasting distributions of an aquatic invasive species (Nitellopsis obtusa) under future climate scenarios. *PLOS ONE, 12 (7)*: e0180930. DOI: [10.1371/journal.pone.0180930](https://doi.org/10.1371/journal.pone.0180930)

**Rozzi, R.** (2017). A new extinct dwarfed buffalo from Sulawesi and the evolution of the subgenus Anoa: An interdisciplinary perspective. *Quaternary Science Reviews, 157*: 188-205. DOI: [10.1016/j.quascirev.2016.12.011](https://doi.org/10.1016/j.quascirev.2016.12.011)

**Rozzi, R.**; Lomolino, M. (2017). Rapid Dwarfing of an Insular Mammal – The Feral Cattle of Amsterdam Island. *Scientific Reports, 7 (8820)*: 1-8. DOI: [10.1038/s41598-017-08820-2](https://doi.org/10.1038/s41598-017-08820-2)

Sánchez-Fernández, D.; Abellán, P.; Aragón, P.; **Varela, S.**; Cabeza, M. (2017). Matches and mismatches between conservation investments and biodiversity values in the European Union. *Conservation Biology, 32 (1)*: 109-115. DOI: [10.1111/cobi.12977](https://doi.org/10.1111/cobi.12977)

**Sandberger-Loua, L.**; Müller, H.;  **Rödel, M.O** (2017). A review of the reproductive biology of the only known matrotrophic viviparous anuran, the West African Nimba toad, Nimbaphrynoides occidentalis. *Zoosystematics and Evolution, 93 (1)*: 105-133. DOI: [10.3897/zse.93.10489](https://doi.org/10.3897/zse.93.10489)

Scheihing, K.; Moya, C.; **Struck, U.**; Lictevout, E.; Tröger, U. (2017). Reassessing Hydrological Processes That Control Stable Isotope Tracers in Groundwater of the Atacama Desert (Northern Chile). *Hydrology, 5 (1)*: 3. DOI: [10.3390/hydrology5010003](https://doi.org/10.3390/hydrology5010003)

**Schlüter, N.**; Wiese, F. (2017). The variable echinoid Micraster woodi sp. nov. – Trait variability patterns in a taxonomic nightmare. *Cretaceous Research, 97*: 194-205. DOI: [10.1016/j.cretres.2017.05.019](https://doi.org/10.1016/j.cretres.2017.05.019)

**Schlüter, N.**; Wiese, F. (2017). Late Cretaceous species of Vologesia (Echinoidea, Cassiduloida) from northern Spain. *Zootaxa, 4306 (2)*: 261–270. DOI: [10.11646/zootaxa.4306.2.6](https://doi.org/10.11646/zootaxa.4306.2.6)

Schmidt-Rhaesa, A.; Panpeng, S.; **Yamasaki, H.** (2017). Two new species of Tubiluchus (Priapulida) from Japan. *Zoologischer Anzeiger, 267*: 155-167. DOI: [10.1016/j.jcz.2017.03.004](https://doi.org/10.1016/j.jcz.2017.03.004)

Schmieder, M.; Kennedy, T.; Jourdan, F.; Buchner, E.; **Reimold, W.U.** (2017). A high-precision 40 Ar/ 39 Ar age for the Nördlinger Ries impact crater, Germany, and implications for the accurate dating of terrestrial impact events. *Geochimica et Cosmochimica Acta, 220*: 146-157. DOI: [10.1016/j.gca.2017.09.036](https://doi.org/10.1016/j.gca.2017.09.036)

**Schobben, M.**; Stebbins, A.; Algeo, T.; Strauss, H.; **Leda, L.**; Haas, J.; **Struck, U.**; **Korn, D.**; Korte, C. (2017). Volatile earliest Triassic sulfur cycle: A consequence of persistent low seawater sulfate concentrations and a high sulfur cycle turnover rate?. *Palaeogeography, Palaeoclimatology, Palaeoecology, 485*: 74-85. DOI: [10.1016/j.palaeo.2017.02.025](https://doi.org/10.1016/j.palaeo.2017.02.025)

**Schobben, M.**; Van De Velde, S.; **Gliwa, J.**; **Leda, L.**; **Korn, D.**; **Struck, U.**; Ullmann, C.; Hairapetian, V.; Ghaderi, A.; Korte, C.; Newton, R.; Poulton, S.; Wignall, P. (2017). Latest Permian carbonate carbon isotope variability traces heterogeneous organic carbon accumulation and authigenic carbonate formation. *Climate of the Past, 13 (11)*: 1635-1659. DOI: [10.5194/cp-13-1635-2017](https://doi.org/10.5194/cp-13-1635-2017)

Schulz, T.; Koeberl, C.; Luguet, A.; Van Acken, D.; **Mohr-Westheide, T.**; Ozdemir, S.; **Reimold, W.U.** (2017). New constraints on the Paleoarchean meteorite bombardment of the Earth - Geochemistry and Re-Os isotope signatures of spherule layers in the BARB5 ICDP drill core from the Barberton Greenstone Belt, South Africa. *Geochimica et Cosmochimica Acta, 211*: 322-340. DOI: [10.1016/j.gca.2017.05.040](https://doi.org/10.1016/j.gca.2017.05.040)

**Schwarz, D.**; Raddatz, M.; Wings, O. (2017). Knoetschkesuchus langenbergensis gen. nov. sp. nov., a new atoposaurid crocodyliform from the Upper Jurassic Langenberg Quarry (Lower Saxony, northwestern Germany), and its relationships to Theriosuchus. *PLOS ONE, 12 (2)*: e0160617. DOI: [10.1371/journal.pone.0160617](https://doi.org/10.1371/journal.pone.0160617)

**Siegert, S.**; Branney, M.; **Hecht, L.** (2017). Density current origin of a melt-bearing impact ejecta blanket (Ries suevite, Germany). *Geology, 45 (9)*: 855-858. DOI: [10.1130/g39198.1](https://doi.org/10.1130/g39198.1)

Smith, A.; Araújo, R. (2017). Thaumatodracon wiedenrothi, a morphometrically and stratigraphically intermediate new rhomaleosaurid plesiosaurian from the Lower Jurassic (Sinemurian) of Lyme Regis. *Palaeontographica Abteilung A, 308 (4)*: 89-125. DOI: [10.1127/pala/308/2017/89](https://doi.org/10.1127/pala/308/2017/89)

Spiekman, S.; **Werneburg, I.** (2017). Patterns in the bony skull development of marsupials: high variation in onset of ossification and conserved regions of bone contact. *Scientific Reports, 7*: 1-11. DOI: [10.1038/srep43197](https://doi.org/10.1038/srep43197)

Stinnesbeck, S.; Frey, E.; Olguín, J.; Stinnesbeck, W.; Zell, P.; Mallison, H.; González González, A.; Aceves Núñez, E.; Velázquez Morlet, A.; Terrazas Mata, A.; Benavente Sanvicente, M.; Hering, F.; Rojas Sandoval, C. (2017). Xibalbaonyx oviceps, a new megalonychid ground sloth (Folivora, Xenarthra) from the Late Pleistocene of the Yucatán Peninsula, Mexico, and its paleobiogeographic significance. *PalZ, 91 (2)*: 245-271. DOI: [10.1007/s12542-017-0349-5](https://doi.org/10.1007/s12542-017-0349-5)

Suprayitno, N.; Narakusumo, R.; **Von Rintelen, T.**; Hendrich, L.; Balke, M. (2017). Taxonomy and Biogeography without frontiers – WhatsApp, Facebook and smartphone digital photography let citizen scientists in more remote localities step out of the dark. *Biodiversity Data Journal, 5*: e19938. DOI: [10.3897/bdj.5.e19938](https://doi.org/10.3897/bdj.5.e19938)

**Tamborini, M.** (2017). The reception of Darwin in late nineteenth-century German paleontology as a case of pyrrhic victory. *Studies in History and Philosophy of Science Part C, 66*: 37-45. DOI: [10.1016/j.shpsc.2017.09.004](https://doi.org/10.1016/j.shpsc.2017.09.004)

**Tamborini, M.** (2017). Book Review: Marianne Sommer, History Within: The Science, Culture, and Politics of Bones, Organisms, and Molecules.. *Journal of the History of Biology, 50 (2)*: 465-468. DOI: [10.1007/s10739-017-9475-x](https://doi.org/10.1007/s10739-017-9475-x)

**Tamborini, M., Vennen, M.** (2017). Disruptions and changing habits: The case of the Tendaguru expedition. *Museum History Journal, 10 (2)*: 183-199. DOI: [10.1080/19369816.2017.1328872](https://doi.org/10.1080/19369816.2017.1328872)

Tauber, C.; Legrand, J.; Albuquerque, G.; **Ohl, M.**; Tauber, A.; Tauber, M. (2017). Navás' Specimens of Mantispidae (Neuroptera) in the Muséum National D'Histoire Naturelle, Paris. *Proceedings of the Entomological Society of Washington, 119 (2)*: 239-263. DOI: [10.4289/0013-8797.119.2.239](https://doi.org/10.4289/0013-8797.119.2.239)

**Tietje, M.**;  **Rödel, M.O** (2017). Contradicting habitat type-extinction risk relationships between living and fossil amphibians. *Royal Society Open Science, 4 (5)*: 170051. DOI: [10.1098/rsos.170051](https://doi.org/10.1098/rsos.170051)

Timpte, M.; Montana, J.; **Reuter, K.**; Borie, M.; Apkes, J. (2017). Engaging diverse experts in a global environmental assessment: participation in the first work programme of IPBES and opportunities for improvement. *Innovation: The European Journal of Social Science Research, 31 (sup 1)*: S15-S37. DOI: [10.1080/13511610.2017.1383149](https://doi.org/10.1080/13511610.2017.1383149)

Torres-Romero, E.; **Varela, S.**; Fisher, J.; Olalla-Tárraga, M. (2017). The relationship between mammal faunas and climatic instability since the Last Glacial Maximum: A Nearctic vs. Western Palearctic comparison. *Acta Oecologica, 82*: 10-15. DOI: [10.1016/j.actao.2017.05.004](https://doi.org/10.1016/j.actao.2017.05.004)

Ullmann, C.; Frei, R.; Korte, C.; **Lüter, C.** (2017). Element/Ca, C and O isotope ratios in modern brachiopods: Species-specific signals of biomineralization. *Chemical Geology, 460*: 15-24. DOI: [10.1016/j.chemgeo.2017.03.034](https://doi.org/10.1016/j.chemgeo.2017.03.034)

**Valente, L.**; Etienne, R.; Dávalos, L. (2017). Recent extinctions disturb path to equilibrium diversity in Caribbean bats. *Nature Ecology & Evolution, 1*: 0026. DOI: [10.1038/s41559-016-0026](https://doi.org/10.1038/s41559-016-0026)

**Valente, L.**; Illera, J.; Havenstein, K.; Pallien, T.; Etienne, R.; Tiedemann, R. (2017). Equilibrium Bird Species Diversity in Atlantic Islands. *Current Biology, 27 (11)*: 1660-1666.e5. DOI: [10.1016/j.cub.2017.04.053](https://doi.org/10.1016/j.cub.2017.04.053)

**Van Bocxlaer, B.**; Strong, E.; Richter, R.; Stelbrink, B.; **Von Rintelen, T.** (2017). Anatomical and genetic data reveal that Rivularia Heude, 1890 belongs to Viviparinae (Gastropoda: Viviparidae). *Zoological Journal of the Linnean Society, 182 (7)*: 1-23. DOI: [10.1093/zoolinnean/zlx014](https://doi.org/10.1093/zoolinnean/zlx014)

Van Der Vos, W.; **Witzmann, F.**; **Fröbisch, N.** (2017). Tail regeneration in the Paleozoic tetrapod Microbrachis pelikani and comparison with extant salamanders and squamates. *Journal of Zoology, 304 (1)*: 34-44. DOI: [10.1111/jzo.12516](https://doi.org/10.1111/jzo.12516)

Van Roosbroek, N.; **Hamann, C.**; Mckibbin, S.; **Greshake, A.**; Wirth, R.; Pittarello, L.; **Hecht, L.**; Claeys, P.; Debaille, V. (2017). Immiscible silicate liquids and phosphoran olivine in Netschaëvo IIE silicate: Analogue for planetesimal core–mantle boundaries. *Geochimica et Cosmochimica Acta, 197*: 378-395. DOI: [10.1016/j.gca.2016.10.042](https://doi.org/10.1016/j.gca.2016.10.042)

Vargas, S.; Dohrmann, M.; Göcke, C.; Janussen, D.; Wörheide, G. (2017). Nuclear and mitochondrial phylogeny of Rossella (Hexactinellida: Lyssacinosida, Rossellidae): a species and a species flock in the Southern Ocean. *Polar Biology*: 2435-2444. DOI: [10.1007/s00300-017-2155-7](https://doi.org/10.1007/s00300-017-2155-7)

Vidal, D.; **Díez Díaz, V.** (2017). Reconstructing hypothetical sauropod tails by means of 3D digitization: Lirainosaurus astibiae as case study. *Journal of Iberian Geology, 43 (2)*: 293-305. DOI: [10.1007/s41513-017-0022-6](https://doi.org/10.1007/s41513-017-0022-6)

**Vohland, K.**; **Göbel, C.** (2017). Open Science und Citizen Science als symbiotische Beziehung? ‐ Eine Gegenüberstellung von Konzepten. *TATuP Zeitschrift für Technikfolgenabschätzung in Theorie und Praxis*: 18-24. DOI: [10.14512/tatup.26.1-2.18](https://doi.org/10.14512/tatup.26.1-2.18)

**Von Rintelen, K.**; **Arida, E.**; **Häuser, C.** (2017). A review of biodiversity-related issues and challenges in megadiverse Indonesia and other Southeast Asian countries. *Research Ideas and Outcomes, 3*: e20860. DOI: [10.3897/rio.3.e20860](https://doi.org/10.3897/rio.3.e20860)

Voss, M.; **Hampe, O.** (2017). Evidence for two sympatric sirenian species (Mammalia, Tethytheria) in the early Oligocene of Central Europe. *Journal of Paleontology, 91 (2)*: 337-367. DOI: [10.1017/jpa.2016.147](https://doi.org/10.1017/jpa.2016.147)

Voss, M.; Sorbi, S.; Domning, D. (2017). Morphological and systematic re-assessment of the late Oligocene “Halitherium” bellunense reveals a new crown group genus of Sirenia. *Acta Palaeontologica Polonica, 62 (1)*: 163-172. DOI: [10.4202/app.00287.2016](https://doi.org/10.4202/app.00287.2016)

Walton, S.; **Korn, D.** (2017). Iterative ontogenetic development of ammonoid conch shapes from the Devonian through to the Jurassic. *Palaeontology, 60 (5)*: 703-726. DOI: [10.1111/pala.12308](https://doi.org/10.1111/pala.12308)

Wang, Y.; Wu, H.; Rédei, D.; Xie, Q.; Chen, Y.; Chen, P.; Dong, Z.; Dang, K.; Damgaard, J.; Štys, P.; Wu, Y.; Luo, J.; Sun, X.; **Hartung, V.**; Kuechler, S.; Liu, Y.; Liu, H.; Bu, W. (2017). When did the ancestor of true bugs become stinky? Disentangling the phylogenomics of Hemiptera-Heteroptera. *Cladistics, 35 (1)*: 42-66. DOI: [10.1111/cla.12232](https://doi.org/10.1111/cla.12232)

Wichard, W.; **Neumann, C.**; Müller, P.; Wang, B. (2017). Family Dysoneuridae (Insecta, Trichoptera) in Cretaceous Burmese amber. *Cretaceous Research, 82*: 138-146. DOI: [10.1016/j.cretres.2017.10.008](https://doi.org/10.1016/j.cretres.2017.10.008)

Wisshak, M.; **Neumann, C.**; Knaust, D.; Reich, M. (2017). Rediscovery of type material of the bioerosional trace fossil Talpina von Hagenow, 1840 and its ichnotaxonomic implications. *PalZ, 91 (1)*: 127-135. DOI: [10.1007/s12542-017-0335-y](https://doi.org/10.1007/s12542-017-0335-y)

**Witzmann, F.**; Brainerd, E. (2017). Modeling the physiology of the aquatic temnospondyl Archegosaurusdecheni from the early Permian of Germany. *Fossil Record, 20 (2)*: 105-127. DOI: [10.5194/fr-20-105-2017](https://doi.org/10.5194/fr-20-105-2017)

**Witzmann, F.**; Schoch, R. (2017). Skull and postcranium of the bystrowianid Bystrowiella schumanni from the Middle Triassic of Germany, and the position of chroniosuchians within Tetrapoda. *Journal of Systematic Palaeontology, 16 (9)*: 711-739. DOI: [10.1080/14772019.2017.1336579](https://doi.org/10.1080/14772019.2017.1336579)

**Witzmann, F.**; **Werneburg, I.** (2017). The Palatal Interpterygoid Vacuities of Temnospondyls and the Implications for the Associated Eye- and Jaw Musculature. *Anatomical Record, 300 (7)*: 1240-1269. DOI: [10.1002/ar.23582](https://doi.org/10.1002/ar.23582)

**Witzmann, F.**; Werneburg, R.; Milner, A. (2017). A partial skull roof of an embolomere from Linton, Ohio (Middle Pennsylvanian) and its phylogenetic affinities. *PalZ, 91 (3)*: 399-408. DOI: [10.1007/s12542-017-0374-4](https://doi.org/10.1007/s12542-017-0374-4)

Yanwirsal, H.; **Bartsch, P.**; Kirschbaum, F. (2017). Reproduction and development of the asian bronze featherback Notopterus notopterus (Pallas, 1769) (Osteoglossiformes, Notopteridae) in captivity. *Zoosystematics and Evolution, 93 (2)*: 299-324. DOI: [10.3897/zse.93.13341](https://doi.org/10.3897/zse.93.13341)

Yaryhin, O.; **Werneburg, I.** (2017). Chondrification and Character Identification in the Skull Exemplified for the Basicranial Anatomy of Early Squamate Embryos. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 328 (5)*: 476-488. DOI: [10.1002/jez.b.22747](https://doi.org/10.1002/jez.b.22747)

Yi, C.; Kim, K.; Jung, T.; Cho, I.; Kim, I.; Hong, S.; Hwang, S.; Yoon, M.; Kim, W.; Han, D.; Kim, M. (2017). Complete sequence analysis of the mitochondrial genome of Auriculastra duplicata (Mollusca, Gastropoda, Ellobiidae). *Mitochondrial DNA Part B, 2 (2)*: 787-788. DOI: [10.1080/23802359.2017.1398614](https://doi.org/10.1080/23802359.2017.1398614)

Zhu, M.; **Wünnemann, K.**; Artemieva, N. (2017). Effects of Moon's Thermal State on the Impact Basin Ejecta Distribution ‐ Thermal Effects on Ejecta Distribution. *Geophysical Research Letters, 44 (22)*: 11,292-11,300. DOI: [10.1002/2017gl075405](https://doi.org/10.1002/2017gl075405)

**Ziegler, D.**; Mascarenhas, A. (2017). Networks for Citizen Science in Europe and Germany. *Future of Food: Journal on Food, Agriculture and Society, 5 (3)*: 68-71

Zimkus, B.; Lawson, L.; Barej, M.; Barratt, C.; Channing, A.; Dash, K.; Dehling, J.; Du Preez, L.; Gehring, P.; Greenbaum, E.; Gvoždík, V.; Harvey, J.; Kielgast, J.; Kusamba, C.; Nagy, Z.; Pabijan, M.; **Penner, J.**;  **Rödel, M.O**; Vences, M.; Lötters, S. (2017). Leapfrogging into new territory: How Mascarene ridged frogs diversified across Africa and Madagascar to maintain their ecological niche. *Molecular Phylogenetics and Evolution, 106*: 254-269. DOI: 10.1016/j.ympev.2016.09.018

**Wissenschaftliche Artikel in anderen Fachzeitschriften | Scientific articles in other journals**

Arcos, S.; Partarrieu, D.; Carrillo-Briceño, J.; **Amson, E.** (2017). The Southernmost Occurrence of the Aquatic Sloth Thalassocnus (Mammalia, Tardigrada) in Two New Pliocene Localities in Chile. *Ameghiniana, 54 (4)*: 351-369. DOI: [10.5710/amgh.29.12.2016.3004](https://doi.org/10.5710/amgh.29.12.2016.3004)

Baratoux, D.; Chennaoui-Aoudjehane, H.; Gibson, R.; Lamali, A.; **Reimold, W.U.;** Sapah, M.; Chabou, M.; Habarulema, J.; Jessell, M.; Mogessie, A.; Benkhaldoun, Z.; Nkhonjera, E.; Mukosi, N.; Kaire, M.; Rochette, P.; Sickafoose, A.; Martínez-Frías, J.; Hofmann, A.; Folco, L.; Rossi, A.; Faye, G.; Kolenberg, K.; Tekle, K.; Belhai, D.; Elyajouri, M.; Koeberl, C.; Abdeen, M. (2017). Africa Initiative for Planetary and Space Sciences. *Eos, 98*: 1-13. DOI: [10.1029/2017eo075935](https://doi.org/10.1029/2017eo075935)

Baratoux, D.; Chennaoui-Aoudjehane, H.; Gibson, R.; Lamali, A.; **Reimold, W.U.;** Sapah, M.; Chabou, M.; Habarulema, J.; Jessell, M.; Mogessie, A.; Benkhaldoun, Z.; Nkhonjera, E.; Mukosi, N.; Kaire, M.; Rochette, P.; Sickafoose, A.; Martínez-Frías, J.; Hofmann, A.; Folco, L.; Rossi, A.; Faye, G.; Kolenberg, K.; Tekle, K.; Belhai, D.; Elyajouri, M.; Koeberl, C.; Abdeen, M. (2017). The State of Planetary and Space Sciences in Africa. *Eos, 98*: 1-13. DOI: [10.1029/2017eo075833](https://doi.org/10.1029/2017eo075833)

Baron, T.; Akite, P.; Barnett, M.; Collins, S.; Dobson, J.; Fric, Z.; Henning, G.; Kühne, L.; **Mey, W.**; Ochse, M.; Przybylowicz, L.; Safian, S. (2017). The second Afrotropical Lepidoptera workshop in Uganda? ‐ A contribution to the Lepidoptera fauna of Kibale National Park and the Mpanga Forest Reserve. *Entomologische Zeitschrift, 127 (2)*: 77-105

Bingham, H.; Doudin, M.; Weatherdon, L.; Despot-Belmonte, K.; Wetzel, F.; Groom, Q.; Lewis, E.; Regan, E.; Appeltans, W.; Güntsch, A.; Mergen, P.; Agosti, D.; Penev, L.; **Hoffmann, A.**; Saarenmaa, H.; Geller, G.; Kim, K.; Kim, H.; Archambeau, A.; **Häuser, C.**; Schmeller, D.; Geijzendorffer, I.; García Camacho, A.; Guerra, C.; Robertson, T.; Runnel, V.; Valland, N.; Martin, C. (2017). The Biodiversity Informatics Landscape: Elements, Connections and Opportunities. *Research Ideas and Outcomes, 3*: e14059. DOI: [10.3897/rio.3.e14059](https://doi.org/10.3897/rio.3.e14059)

Cuervo-Robayo, A.; Escobar, L.; Osorio-Olvera, L.; Nori, J.; **Varela, S.**; Martinez-Meyer, E.; Velasquez-Tibata, J.; Rodriguez-Soto, C.; Munguia, M.; Castaneda-Alvarez, N.; Lira-Noriega, A.; Soley-Guardia, M.; Serra-Diaz, J.; Peterson, A. (2017). Introducción a los Análisis Espaciales con Énfasis en Modelos de Nicho Ecológico. *Biodiversity Informatics, 12*: 45-57. DOI: [10.17161/bi.v12i0.6507](https://doi.org/10.17161/bi.v12i0.6507)

Despot-Belmonte, K.; Neßhöver, C.; Saarenmaa, H.; Regan, E.; Meyer, C.; Martins, E.; Groom, Q.; **Hoffmann, A.**; Caine, A.; Bowles-Newark, N.; Bae, H.; Canhos, D.; Stenzel, S.; Bowler, D.; Schneider, A.; V. Weatherdon, L.; S. Martin, C. (2017). Biodiversity data provision and decision-making - addressing the challenges. *Research Ideas and Outcomes, 3*: e12165. DOI: [10.3897/rio.3.e12165](https://doi.org/10.3897/rio.3.e12165)

**Frommolt, K.-H. K.-H.** (2017). Bioakustische Unterstützung naturschutzfachlicher Entscheidungen am Beispiel des Wachtelkönigs Crex crex. *Vogelwarte - Zeitschrift für Vogelkunde, 55 (4)*: 391-392

Gee, B.; **Haridy, Y.**; Reisz, R. (2017). Histological characterization of denticulate palatal plates in an Early Permian dissorophoid. *PeerJ*: e3727. DOI: [10.7717/peerj.3727](https://doi.org/10.7717/peerj.3727)

Gossner, M.; Biedermann, R.; Bräu, M.; Brandner, J.; Büttner, R.; Dorow, W.; Faraci, F.; Friess, N.; Göricke, P.; **Grube, S.**; **Hartung, V.**; Heckmann, R.; Heiss, E.; Nawratil, J.; Kleinsteuber, W.; Morkel, C.; Rabitsch, W.; Rieger, C.; Rieger, U.; Niedringhaus, R.; Schmolke, F.; Schulz-Mirbach, T.; Simon, H.; Strauss, G.; Voigt, K.; **Wachmann, E.** (2017). Wanzenfunde anlässlich des 42. Treffens der „Arbeitsgruppe Mitteleuropäischer Heteropterologen“ im Zwieseler Winkel, Nationalpark Bayerischer Wald (19.–21. 8.2016) ‐ Mit Angaben zur Zikaden-, Käfer- und Ameisenfauna. *Beiträge zur bayerischen Entomofaunistik, 17*: 19-42

**Greshake, A.**; Wirth, R.; Fritz, J.; Jakubowski, T.; Böttger, U. (2017). Mullite in Libyan Desert Glass: Evidence for high-temperature/low-pressure formation. *Meteoritics & Planetary Science, 53 (3)*: 467-481. DOI: [10.1111/maps.13030](https://doi.org/10.1111/maps.13030)

**Haridy, Y.**; Leblanc, A.; Reisz, R. (2017). The Permian reptile Opisthodontosaurus carrolli: a model for acrodont tooth replacement and dental ontogeny. *Journal of Anatomy*: 371-382. DOI: [10.1111/joa.12754](https://doi.org/10.1111/joa.12754)

**Haridy, Y.**; **Macdougall, M.**; Reisz, R. (2017). The lower jaw of the Early Permian parareptile Delorhynchus, first evidence of multiple denticulate coronoids in a reptile. *Zoological Journal of the Linnean Society*: 791-803. DOI: [10.1093/zoolinnean/zlx085](https://doi.org/10.1093/zoolinnean/zlx085)

**Hartung, V.** (2017). Naochila parvella (Drake, 1954) (Hemiptera: Heteroptera: Tingidae) in Germany, a new alien species in Europe?. *Heteropteron, 50*: 24-28

**Hartung, V.** (2017). Zur Wanzenfauna der Bergischen Heideterrassen (NRW), untersucht im Rahmen des GEO-Tages der Artenvielfalt 2016. *Heteropteron, 48*: 22-30

**Hoch, H.**; Čokl, A.; Jatho, M.; Lakes-Harlan, R.; Rössler, W.; Stiedl, O. (2017). Nachruf: “The most beautiful profession in the world…” In memoriam Klaus Kalmring (1931–2015). *Journal of Comparative Physiology A, 203 (2)*: 91-97. DOI: [10.1007/s00359-016-1141-9](https://doi.org/10.1007/s00359-016-1141-9)

Kammerer, C. (2017). Comment (Case 3695) – Additional remarks in support of the proposed conservation of Dimetrodon Cope, 1878 by reversal of precedence with Bathygnathus Leidy, 1853 (Synapsida: Sphenacodontidae). *The Bulletin of Zoological Nomenclature, 74 (1)*: 132. DOI: [10.21805/bzn.v74.a035](https://doi.org/10.21805/bzn.v74.a035)

Knaust, D.; **Neumann, C.** (2017). Corrigendum to “ Asteriacites von Schlotheim, 1820 – the oldest valid ichnogenus name – and other asterozoan-produced trace fossils” [Earth Sci. Rev. 157 (2016) 111–120]. *Earth-Science Reviews, 166*: 299. DOI: [10.1016/j.earscirev.2017.02.005](https://doi.org/10.1016/j.earscirev.2017.02.005)

**Mey, W.** (2017). Corrigendum: Corrections and additions to the Cossidae of southern Africa (Lepidoptera: Cossoidea).. *Entomologische Zeitschrift, 127 (4)*: 218-222

**Quaisser, C.** (2017). Dokumentation der Gegenwart ist Sammeln für die Zukunft – Herausforderungen für naturwissenschaftliche Sammlungen.. *Museumskunde, 82 (1)*: 94-98.

 Raia, P.; Fortelius, M. (2017). Evolutionary macroecology. *Evolutionary Ecology Research, 18*: 1-6

**Rödel, M.O**; **Sandberger-Loua, L.**; **Penner, J.**; Kouamé, N.; Doumbia, J.; Barej, M. (2017). Microhylidae: Phrynomantis microps (Peters, 1875), West African Rubber Frog in Guinea. *African Herp News (64)*: 37-39

Rudolph, K.; **Coleman, C.** (2017). Nachweis von Echinogammarus ischnus (Stebbing, 1899) in einer Probe aus Berlin, aus dem Jahre 1946. *Lauterbornia, 84*: 109-111

Schwabe, E.; Hess, M.; **Sumner-Rooney, L.**; Sellanes, J. (2017). Anatomy of Zetela alphonsi Vilvens, 2002 casts doubt on its original placement based on conchological characters. *Spixiana : Zeitschrift für Zoologie, 40 (2)*: 161-170

Sepkoski, D.; **Tamborini, M.** (2017). Introduction: Towards a global history of paleontology: The paleontological reception of Darwin's thought. *Studies in History and Philosophy of Science Part C, 66*: 1-2. DOI: [10.1016/j.shpsc.2017.09.005](https://doi.org/10.1016/j.shpsc.2017.09.005)

Soliman, A.; Gadallah, N.; **Ohl, M.**; Al Dhafer, H. (2017). Revision of the digger wasps of the Ampulicidae and Heterogynaidae (Hymenoptera) of Saudi Arabia, with the description of a new species of the enigmatic genus Heterogyna Nagy. *Journal of Natural History, 51 (33-34)*: 2057-2085. DOI: [10.1080/00222933.2017.1355492](https://doi.org/10.1080/00222933.2017.1355492)

Song, Z.; **Deckert, J.**; Liang, A. (2017). Review of the oriental genus Protolepta Melichar, with description of the second species from Sulawesi, Indonesia (Hemiptera: Auchenorrhyncha: Dictyopharidae: Orthopagini). *Entomologica Americana, 122 (3)*: 467-475. DOI: [10.1664/1947-5144-122.3.467](https://doi.org/10.1664/1947-5144-122.3.467)

**Vohland, K.**; **Diekämper, J.**; **Moormann, A.**; Nettke, T.; **Rössig, W.** (2017). Vor welchen Herausforderungen steht der Diskurs mit der Öffentlichkeit über neue Ansätze der Genomeditierung? Forschung und Vermittlung zur Partizipation. *Zeitschrift für Medizin - Ethik - Recht, 8*: 33-42

Wang, Q.; Qi, Y.; **Korn, D.**; Chen, J.; Sheng, Q. (2017). Progress on the Viséan-Serpukhovian boundary in South China and Germany. *Newsletters on Carboniferous Stratigraphy, 33*: 35-42.

**Monografien | Monographs**

**Bauche, M.** (2017). Medizin und Herrschaft ‐ Malariabekämpfung in Kamerun, Ostafrika und Ostfriesland (1890–1919). Frankfurt: Campus.

Rinck, M. (2017). Die verlorene Welt : the lost world. Berlin: Museum für Naturkunde Berlin.

**Sammelwerke | Edited Books (Herausgeberschaft| Editorship)**

Müller, R.; **Mey, W.** (2017). Rote Liste und Gesamtartenliste der Köcherfliegen (Trichoptera) von Berlin. Universitätsverlag der TU Berlin. [elektronische Version]. DOI: [10.14279/depositonce-5857](https://doi.org/10.14279/depositonce-5857).

**Sammelbandbeiträge | Contribution to edited books**

**Moormann, A.** (2017). Explorers of Nature in Natural History Museums. ‐ An Approach to Integrating Children with Refugee or Migration Status. In: Patricia G. Patrick (eds.) *Preparing Informal Science Educators. Perspectives from Science Communication and Education*. Cham: Springer International Publishing (pp. 419-433). DOI: [10.1007/978-3-319-50398-1\_21](https://doi.org/10.1007/978-3-319-50398-1_21)

**Moormann, A.**; Bélanger, C. (2017). Entwicklung von Schülervorstellungen zu Modellen im Kontext eines Schulbesuchs im Museum für Naturkunde. In: Jurik Stiller, Christin Laschke (eds.) *Berlin-Brandenburger Beiträge zur Bildungsforschung 2017*. Bern, Schweiz: Peter Lang Verlag (pp. ). DOI: [10.3726/b10878](https://doi.org/10.3726/b10878)

**Ohl, M.** (2017). Brachiosaurus, Archaeopteryx und Fingertier ‐ Original und Authentizität im Naturkundemuseum. In: (eds.) *Authentisierung im Museum. Ein Werkstatt-Bericht*. Heidelberg: Propylaeum (pp. 11-20). DOI: [10.11588/propylaeum.297.405](https://doi.org/10.11588/propylaeum.297.405)

Oppenländer, J.; **Glöckler, F.**; **Hoffmann, J.**; Müller-Birn, C. (2017). Reifegradmodelle für ein integriertes Forschungsdatenmanagement in multidisziplinären Forschungsorganisationen. In: Kratzke, Jonas Und Heuveline, Vincent (eds.) *E-Science-Tage 2017: Forschungsdaten managen*. Heidelberg: Universitätsbibliothek Heidelberg (pp. 53-63). DOI: [10.11588/heibooks.285.377](https://doi.org/10.11588/heibooks.285.377)

**Schmitt, R.** (2017). Fachgruppe Mineralogie/Geologie. In: Vohland, K. & Ziegler, D. (eds.) *Citizen Science am Museum für Naturkunde*. Berlin: Museum für Naturkunde Berlin (pp. 7)

**Tamborini, M.** (2017). ‘From the Unknown to the Known and Backwards:’ Representing and Presenting Remote Time in Nineteenth-Century Palaeontology. In: Sibylle Baumbach, Lena Henningsen, Klaus Oschema (eds.) *The Fascination with Unknown Time*. Cham: Springer International Publishing (pp. 115-140). DOI: [10.1007/978-3-319-66438-5\_6](https://doi.org/10.1007/978-3-319-66438-5_6)

**Witzmann, F.** (2017). Der Knorpelfisch Falcatus aus Bear Gulch in Montana in den USA.. In: Scheer, Udo, Stottrop, Ulrike (eds.) *Erdgeschichten : Geologie im Ruhr Museum [Ausstellungskatalog]*. Köln: Verlag der Buchhandlung Walther König (pp. 102-103)

**Witzmann, F.** (2017). Fischfossilien aus den Orkadischen Seen in Schottland. In: Scheer, U. & Stottrop, U. (eds.) *Erdgeschichten : Geologie im Ruhr Museum*. Köln: Verlag der Buchhandlung Walther König (pp. 76-77)

**Positionspapiere**

**Populärwissenschaftliche Beiträge | popular scientific articles**

**Fröbisch, N.** (2017). Von alten Knochen und neuen Beinen. *forschung, 42 (1)*: 14-19. DOI: [10.1002/fors.201790000](https://doi.org/10.1002/fors.201790000)

**Hermannstaedter, A.** (2017). Kunst & Natur. Künstlerische Interventionen im Museum für Naturkunde Berlin [Interview]. *KM. Kultur und Management im Dialog*: 34-36

**Moormann, A.** (2017). Was krabbelt denn da? Kinder sammeln und bestimmen die Bewohner des Waldbodens. *Grundschule Sachunterricht (75)*: 12-21

**Moormann, A.**; **Faber, A.** (2017). Tiere in der Steinzeit. Wissen kompakt.. *Grundschule Sachunterricht (76)*: 29-31

**Moormann, A.**; Kremer, K. (2017). Bewahrer der biologischen Vielfalt. Verständnis für die Aufgabe von Naturkundemuseen entwickeln.. *Unterricht Biologie : Zeitschrift für die Sekundarstufe, 427*: 18-26

**Pettibone, L.**; **Göbel, C.**; Grimm, M.; **Vohland, K.** (2017). Wie Bürger mitforschen können.. *Deutsche Universitätszeitung (5)*: 69-71

**Konferenzbeiträge | Conference papers**

**Aberhan, M.**; **Piazza, V.** (2017). Body size trends of brachiopods and bivalves at the early Toarcian (Early Jurassic) extinction event in the Lusitanian Basin, Portugal. In: (eds.) *International Workshop on the Toarcian Oceanic Anoxic Event, IGCP-655*. 1st International Workshop on the Toarcian Oceanic Anoxic Event (IW-TOAE), At Jaen, Spain: (pp. 87-89)

**Gliwa, J.**; **Korn, D.**; Crasquin, S.; Forel, M.; **Schobben, M.** (2017). Ostracod fauna of the Aras Valley section (NW - Iran) indicates sustained oxygenated conditions during the end - Permian mass extinction.. In: (eds.) *61st Annual Meeting of the Palaeontological Association, London 2017*.

Hairapetian, V.; **Heuer, F.**; **Korn, D.** (2017). A Late Viséan (Early Carboniferous) chondrichthyan assemblage from a neptunian dyke of Rösenbeck (Rhenish Mountains, Germany).. In: (eds.) *14th International Symposium on Early Vertebrates/Lower Vertebrates, Chęciny*. : (pp. 42).

Jimenez Campean, A.; **Coleman, C.** (2017). Sicafodia iceage Jimenez Campean et Coleman, 2017 (Crustacea Amphipoda Sicafodiidae) from the North Atlantic. In: (eds.) *Biodiversity Journal*. : (pp. 403-404)

Kiessling, W.; **Schobben, M.**; Ghaderi, A.; Hairapetian, V.; **Leda, L.**; **Korn, D.** (2017). Pre–mass extinction decline of latest Permian ammonoids. In: (eds.) *GSA Annual Meeting in Seattle, Washington, USA - 2017*. : (pp. )

Kremer, K.; **Moormann, A.** (2017). Symposium: Natural History Museums as Communicators for the Nature of Science: Research Approaches on Visitors’ and Scientists’ Perceptions. In: (eds.) . San Antonio, USA: (pp. 90)

**Moormann, A.** (2017). Naturerfahrungen (Symposium). In: (eds.) . Halle an der Saale: (pp. 13-16)

**Moormann, A.** (2017). A framework for dioramas promoting model-based learning. In: (eds.) . Dublin, Ireland: (pp. 127)

**Moormann, A.**; Gebhard, U.; Lude, A. (2017). Naturerfahrungen - Einleitung. In: (eds.) . Halle an der Saale: (pp. 13-16)

**Moormann, A.**; Kremer, K. (2017). Students’ Epistemic perceptions of nature of science in a science communication exhibition at Berlin natural history museum. In: (eds.) . San Antonio, Texas, USA: (pp. 90)

**Moormann, A.**; Kremer, K. (2017). Secondary school students' epistemic perceptions of a dinosaur exhibition with the focus on science communication at Berlin Natural History Museum. In: (eds.) . Dublin, Ireland: (pp. 36)

Patrick, P.; **Moormann, A.** (2017). Actor-Network Theory: Boundary Objects and the Mobilization of Family Groups. In: (eds.) . Dublin, Ireland: (pp. 55)

Radulovici, A.; **Coleman, C.** (2017). Reconciling large molecular datasets, bioinformatics and taxonomy: prospects for Amphipoda.. In: (eds.) *Biodiversity Journal*. : (pp. 633-634)

**Rössig, W.**; **Moormann, A.** (2017). Visitor's participation as an instrument for enhancing scientific literacy and competence of assessment-a research project at the Museum für Naturkunde Berlin. In: (eds.) . Dublin, Ireland: (pp. 70)

**Schobben, M.**; Van De Velde, S.; Suchocka, J.; **Leda, L.**; **Korn, D.**; **Struck, U.**; Ullmann, C.; Hairapetian, V.; Ghaderi, A.; Korte, C.; Newton, R.; Poulton, S.; Wignall, P. (2017). Disparate Permian-Triassic carbonate-carbon isotope trends explained by a diagenetic model forced with spatially heterogeneous organic matter fluxes.. In: (eds.) *IGCP 630: Meeting 2017 (Permian-Triassic Climatic & Environmental Extremes and Biotic Response).*. : (pp. )

**Schobben, M.**; Van De Velde, S.; Suchocka, J.; **Leda, L.**; **Korn, D.**; **Struck, U.**; Ullmann, C.; Hairapetian, V.; Ghaderi, A.; Korte, C.; Newton, R.; Poulton, S.; Wignall, P. (2017). Limitations and opportunities for Permian-Triassic carbonate-carbon isotope stratigraphy posed by microbial-controlled diagenetic mineral additions.. In: (eds.) *EGU General Assembly Conference Abstracts*. : (pp. 19)

Shin, M.; Lee, S.; Park, J.; Coleman, C. (2017). An investigation of amphipods associated with sea urchins from Korea.. In: (eds.) *Biodiversity Journal*. : (pp. 657-658)

Weatherdon, L.; Appeltans, W.; Bowles-Newark, N.; Brooks, T.; Davis, F.; Despot-Belmonte, K.; Fletcher, S.; Garilao, C.; Hilton-Taylor, C.; Hirsch, T.; Juffe-Bignoli, D.; Kaschner, K.; Kingston, N.; Malsch, K.; Regan, E.; Kesner-Reyes, K.; Rose, D.; Wetzel, F.; Wilkinson, T.; Martin, C. (2017). Blueprints of Effective Biodiversity and Conservation Knowledge Products That Support Marine Policy. In: (eds.) *Frontiers in Marine Science*. : (pp. 96). DOI: [10.3389/fmars.2017.00096](https://doi.org/10.3389/fmars.2017.00096)

**Konferenzposter | Conference poster**

**Heuer, F.**; **Leda, L.**; **Korn, D.**; Hairapetian, V.; Moradi Salimi, H. (2017). Early Triassic microbialites at Baghuk Mountain (Central Iran). In: (eds.) . Goldschmidt Conference 2017, Paris.

**Piazza, V.**; **Aberhan, M.**; Duarte, L. (2017). Ecology of brachiopod and mollusc assemblages across the Early Toarcian (Early Jurassic) extinction event in the Lusitanian Basin, Portugal. In: (eds.) *61st Palaeontological Association Annual Meeting, London, Programme, Abstracts and AGM papers*. 61st Palaeontological Association Annual Meeting, London.

**Berichte und Diskusionspapiere | Reports and discussion papers**

Despot-Belmonte, K.; Doudin, M.; Groom, Q.; Wetzel, F.; Agosti, D.; Jacobsen, K.; Smirnova, L.; Weatherdon, L.; Robertson, T.; Penev, L.; Regan, E.; **Hoffmann, A.**; Macsharry, B.; Shennan-Farpon, Y.; Martin, C. (2017). EU BON’s contributions towards meeting Aichi Biodiversity Target 19. *Research Ideas and Outcomes, 3*: e14013. DOI: [10.3897/rio.3.e14013](https://doi.org/10.3897/rio.3.e14013)

**Faber, A.**; **Moormann, A.**; Neumann, O.; Rümmler, M.; **Sturm, U.**; **Ziegler, D.** (2017). Projektbericht: Schüler\_innen entdecken die Berliner Stadtnatur ‐ Ein Schülerprojekt zu Citizen Science mit der App „Naturblick. : 11 p.

Gemeinholzer, B.; **Ohl, M.** (2017). Onlineumfrageergebnisse der Mitgliederbefragung der GfBS 2016. *(32)*: 16-20

**Geschke, J.**; **Schliep, R.**; Richter, A.; **Vohland, K.** (2017). Nationales Biodiversitätsmonitoring – Revisited. . DOI: [10.7479/v7g2-cmc2](https://doi.org/10.7479/v7g2-cmc2)

**Giere, P.**; Neumann, D. (2017). Wie verschicke ich meine Probe: Versandworkshop am Museum für Naturkunde in Berlin. *GfBS Newsletter (33)*: 34-35

Richter, A.; **Pettibone, L.**; **Ziegler, D.**; Hecker, S.; **Vohland, K.**; Bonn, A. (2017). Entwicklung von Citizen Science - Kapazitäten in Deutschland ‐ BürGEr schaffen WISSen - Wissen schafft Bürger (GEWISS). : 80

**Schliep, R.**; Raab, K. (2017). Biodiversity and Human Health ‐ NeFo CBD fact sheet in preparation of SBSTTA-21, 12/2017. : 7

**Schliep, R.**; Raab, K. (2017). Mainstreaming of Biodiversity ‐ NeFo CBD fact sheet in preparation of SBSTTA-21. Netzwerk-Forum zur Biodiversitätsforschung Deutschland. : 7

**Sturm, U.**; Schade, S.; Ceccaroni, L.; **Gold, M.**; Kyba, C.; Claramunt, B.; Haklay, M.; Kasperowski, D.; Albert, A.; Piera, J.; Brier, J.; Kullenberg, C.; Luna, S. (2017). Defining principles for mobile apps and platforms development in citizen science. *Research Ideas and Outcomes, 3*: e21283. DOI: [10.3897/rio.3.e21283](https://doi.org/10.3897/rio.3.e21283)

**Vogel, J.**; **Junker, S.** (2017). Unsere Wissenschaft/Our Science 2015/2016. : 1-53. DOI: [10.7479/3dwq-8a7g](https://doi.org/10.7479/3dwq-8a7g)

**Vogel, J.**; **Junker, S.** (2017). Geschäftsbericht 2016. : 25

Vogelpohl, A.; Grimm, A.; Rettberg, W.; **Ziegler, D.** (2017). Videos für Citizen Science. ‐ Tipps zur erfolgreichen Konzeption und Durchführung eines Video-Workshops. *(3)*

**Vohland, K.**; **Schliep, R.**; **Geschke, J.**; Neßhöver, C.; **Göbel, C.**; **Reuter, K.** (2017). Synthetische Biologie - Gesellschaftliche Bedeutung und Implikationen für die Biodiversitätsforschung ‐ Bericht zum NeFo-Workshop am 15.02.2017 im Museum für Naturkunde Berlin. : 25

Wetzel, F.; Despot Belmonte, K.; Bingham, H.; Underwood, E.; **Hoffmann, A.**; **Häuser, C.**; Mikolajczyk, P.; **Vohland, K.** (2017). 4th European Biodiversity Observation Network (EU BON) Stakeholder Roundtable: Pathways to sustainability for EU BONs network of collaborators and technical infrastructure. *Research Ideas and Outcomes, 3*: e11875. DOI: [10.3897/rio.3.e11875](https://doi.org/10.3897/rio.3.e11875)

**Ziegler, D.**; Krutsch, A.; **Knapp, V.** (2017). Social Media für Citizen Science ‐ Workshop-Dokumentation

**Ziegler, D.**; **Vohland, K.** (2017). Citizen Science am Museum für Naturkunde. : 32

Ausstellungskataloge | Exhibition catalogs