Albrechtová, M.; Kašparová, E. Š.; Langrová, I.; Hart, V.; **Neuhaus, B.**; Jankovská, I.; Petrtýl, M.; Magdálek, J.; Špakulová, M. (2024). A revision of the trichostrongylid nematode Cooperia Ransom, 1907, from deer game: recent integrative research conﬁrms the existence of the ancient host-speciﬁc species Cooperia ventricosa (Rudolphi, 1809). *Frontiers in Veterinary Science*, 11. DOI: https://doi.org/10.3389/fvets.2024.1346417.

Albrechtová, M.; Kašparová, E. Š.; Langrová, I.; Hart, V.; **Neuhaus, B.**; Jankovská, I.; Petrtýl, M.; Magdálek, J.; Špakulová, M. (2024). Corrigendum: A revision of the trichostrongylid nematode Cooperia Ransom, 1907, from deer game: recent integrative research conﬁrms the existence of the ancient host-speciﬁc species Cooperia ventricosa (Rudolphi, 1809). *Frontiers in Veterinary Science*, 11. DOI: https://doi.org/10.3389/fvets.2024.1388292.

Allaire, N.; Rustán, J. J.; **Korn, D.**; Vaccari, N. E.; Ezpeleta, M.; Balseiro, D. (2024). The late Givetian (Middle Devonian) ammonoid Epitornoceras Frech, 1902 from Argentina (southwestern Gondwana). *Geodiversitas*, 46 (7), 327-341. DOI: https://doi.org/10.5252/geodiversitas2024v46a7.

**Allibert, L.**; Siebert, J.; Hyodo, R.; Genda, H.; Raymond, S.; Jacobson, S.; Nakajima, M.; Charnoz, S. (2024). Collisional erosion of mantle silicate during accretion can set the elevated Fe/Mg ratio of Earth. *Icarus*, 429. DOI: https://doi.org/10.1016/j.icarus.2024.116385.

Andriienko, V.; Buczek, M.; **Meier, R.**; Srivathsan, A.; Łukasik, P.; Kolasa, M. R. (2024). Implementing high-throughput insect barcoding in microbiome studies: impact of non-destructive DNA extraction on microbiome reconstruction. *PeerJ*, 12, e18025. DOI: https://doi.org/10.7717/peerj.18025.

Ardila-Camacho, A.; Machado, R. J. P.; **Ohl, M.**; Contreras-Ramos, A. (2024). A camouflaged diversity: taxonomic revision of the thorny lacewing subfamily Symphrasinae (Neuroptera, Rhachiberothidae). *Zookeys*, 1199, 1-409. DOI: https://doi.org/10.3897/zookeys.1199.115442.

Arens, F. L.; **Airo, A.**; **Sager, C.**; Grossart, H.; Mangelsdorf, K.; Meckenstock, R. U.; Pannekens, M.; Schmitt-Kopplin, P.; Uhl, J.; Valenzuela, B.; Zamorano, P.; Zoccarato, L.; Schulze-Makuch, D. (2024). Microbial response to deliquescence of nitrate-rich soils in the hyperarid Atacama Desert. *Biogeosciences*, 21 (22), 5305-5320. DOI: https://doi.org/10.5194/bg-21-5305-2024.

Arens, F. L.; **Feige, J.**; **Airo, A.**; **Sager, C.**; **Hecht, L.**; Horstmann, L.; **Kaufmann, F. E.**; Lachner, J.; Neumann, T.; Nowaczyk, N.; Schiperski, F.; Steier, P.; Stoll, A.; **Struck, U.**; Valenzuela, B.; Von Blanckenburg, F.; Wittmann, H.; Wacker, L.; Wagner, D.; Zamorano, P.; Schulze-Makuch, D. (2024). Climate variability in a 3.8 Ma old sedimentary record from the hyperarid Atacama Desert. *Global and Planetary Change*, 242. DOI: https://doi.org/10.1016/j.gloplacha.2024.104576.

Bartel, C.; **Dunlop, J. A.**; Wedmann, S. (2024). Iridescent harvestmen (Arachnida: Opiliones: Sclerosomatidae) from the Eocene of Messel, Germany. *Palaeobiodiversity and Palaeoenvironments*, 104, 963-975. DOI: https://doi.org/10.1007/s12549-024-00607-4.

Bazzana-Adams, K. D.; **MacDougall, M. J.**; **Fröbisch, J.** (2024). Cranial anatomy of Emeroleter levis and the phylogeny of Nycteroleteridae. *PLOS ONE*, 19 (4), e0298216. DOI: https://doi.org/10.1371/journal.pone.0298216.

Benvenuto, G.; Leone, S.; Astoricchio, E.; **Bormke, S.**; Jasek, S.; D’Aniello, E.; Kittelmann, M.; McDonald, K.; Hartenstein, V.; Baena, V.; Escrivà, H.; Bertrand, S.; Schierwater, B.; Burkhardt, P.; Ruiz-Trillo, I.; Jékely. G.; **Ullrich-Lüter, J.**; **Lüter, C.**; D’Aniello, S.; Arnone. M.I.; Ferraro, F. (2024). Evolution of the ribbon-like organization of the Golgi apparatus in animal cells. *Cell Reports*, 43 (3), 113791. DOI: https://doi.org/10.1016/j.celrep.2024.113791.

**Beurel, S**.; Bachelier, J. B.; Munzinger, J.; Shao, F.; Hammel, J. U.; Shi, G.; **Sadowski, E.** (2024). First flower inclusion and fossil evidence of Cryptocarya (Laurales, Lauraceae) from Miocene amber of Zhangpu (China). *Fossil Record*, 27 (1), 1-11. DOI: <https://doi.org/10.3897/fr.27.109621>.

**Beurel, S.**; Bachelier, J. B.; Schmidt, A. R.; **Sadowski, E.** (2024). Novel three-dimensional reconstructions of presumed Phylica (Rhamnaceae) from Cretaceous amber suggest Lauralean affinities. *Nature Plants*, 10 (2), 223-227. DOI: https://doi.org/10.1038/s41477-023-01592-w.

Bidzilya, O. V.; **Mey, W.**; Rajaei, H. (2024). First record of the genus Sergeya Ponomarenko, 2008 (Lepidoptera, Gelechiidae) from the Afrotropical and Oriental regions, with description of ten new species. *Zootaxa*, 5493 (5), 486-506. DOI: https://doi.org/10.11646/zootaxa.5493.5.2.

Bidzilya, O. V.; **Mey, W.**; Rajaei, H. (2024). Taxonomic revision of Asapharcha Meyrick, 1920 (Lepidoptera, Gelechiidae), with descriptions of four new species. *Zootaxa*, 5443 (4), 548-566. DOI: https://doi.org/10.11646/zootaxa.5443.4.4.

**Bock, S.;** Arroba-López, T.E.; Velez-Giler, H.L.; Moreira, V.; Wiedebusch, M.L.M.; **Neira-Salamea, K.**; Wilkinson, M.; **Fuchs, N.**; **Schönleitner, M.**; **Rödel, M.-O.**; Ron, S.R. (2024). Two new species of Caecilia (Gymnophiona: Caeciliidae) from the Ecuadorian humid Chocó. *Salamandra*, 60 (4), 209-236.

Bockwinkel J.; **Korn D.** (2024). Ammonoids of the Middl Devonian family Maniocratidae in the Anti-Atlas of Morocco. *European Journal of Taxonomy*, 921. DOI: https://doi.org/10.5852/ejt.2024.921.2413.

Boeger, W. A.; Valim, M. P.; Zaher, H.; Rafael, J. A.; Forzza, R. C.; Percequillo, A. R.; Serejo, C. S.; Garraffoni, A. R.; Santos, A. J.; Slipinski, A.; Linzmeier, A. M.; Calor, A. R.; Garda, A. A.; Kury, A. B.; Fernandes, A. C.; Agudo-Padrón, A. I.; Akama, A.; Da Silva Neto, A. M.; Burbano, A. L.; (...), **Riccardi, P. R.; Santos. B.F.**; (...), Leite, Y. L. (2024). Catálogo Taxonômico da Fauna do Brasil: Setting the baseline knowledge on the animal diversity in Brazil. *Zoologia*, 41. DOI: <https://doi.org/10.1590/s1984-4689.v41.e24005>.

Böning, P.; Lötters, S.; Barzaghi, B.; Bock, M.; Bok, B.; Bonato, L.; Ficetola, G. F.; Glaser, F.; Griese, J.; Grabher, M.; Leroux, C.; Munimanda, G.; Manenti, R.; Ludwig, G.; Preininger, D.; **Rödel, M.**; Seibold, S.; Smith, S.; Tiemann, L.; (...)Plewnia, A. (2024). Alpine salamanders at risk? The current status of an emerging fungal pathogen. *PLoS One*, 19 (5), e0298591-e0298591. DOI: https://doi.org/10.1371/journal.pone.0298591.

**Bofill, S. I. H.**; **Mayer, F.**; Thong, V. D. (2024). Bat diversity in the Cuc Phuong National Park, Vietnam - Results from VIETBIO field training and annotated species list. *Biodiversity Data Journal*, 12. DOI: https://doi.org/10.3897/bdj.12.e119704.

Borghini, A.; **Ferrero, S.**; O’Brien, P. J.; Wunder, B.; Tollan, P.; Majka, J.; Fuchs, R.; Gresky, K. (2024). Halogen-bearing metasomatizing melt preserved in high-pressure (HP) eclogites of Pfaffenberg, Bohemian Massif. *European Journal of Mineralogy*, 36 (2), 279-300. DOI: https://doi.org/10.5194/ejm-36-279-2024.

**Bothe, V.**; Müller, H.; Shubin, N.; **Fröbisch, N.** (2024). Effects of life history strategies and habitats on limb regeneration in plethodontid salamanders. *Development Dynamics*. DOI: https://doi.org/10.1002/dvdy.742.

Brouwer, F.; Caucci, S.; Karthe, D.; **Kirschke, S.**; Madani, K.; Mueller, A.; Zhang, L.; Guenther, E. (2024). Advancing the resource nexus concept for research and practice. *Sustainability Nexus Forum*, 31 (1-4), 41-65. DOI: https://doi.org/10.1007/s00550-024-00533-1.

Buffry, A. D.; Currea, J. P.; Franke-Gerth, F. A.; Palavalli-Nettimi, R.; Bodey, A. J.; Rau, C.; Samadi, N.; Gstöhl, S. J.; Schlepütz, C. M.; McGregor, A. P.; **Sumner-Rooney, L.**; Theobald, J.; Kittelmann, M. (2024). Evolution of compound eye morphology underlies differences in vision between closely related Drosophila species. *BMC Biology*, 22 (1). DOI: https://doi.org/10.1186/s12915-024-01864-7.

Caccavo, J. A.; Arantes, L. S.; Celemín, E.; **Mbedi, S.**; Sparmann, S.; Mazzoni, C. J. (2024). Whole‐genome resequencing improves the utility of otoliths as a critical source of DNA for fish stock research and monitoring. *Molecular Ecology Resources*, 24 (8), e14013-e14013. DOI: https://doi.org/10.1111/1755-0998.14013.

Canning-Clode, J.; Gizzi, F.; Braga-Henriques, A.; Ramalhosa, P.; Abreu, P.; Álvarez, S.; Biscoito, M.; Buhl-Mortensen, P.; Delgado, J.; Esson, D.; Freitas, M.; Freitas, M.; Henriques, F.; Jakobsen, J.; Jakobsen, K.; Kerckhof, F.; **Lüter, C.**; Moura, C.J.; Radeta, M.; Rocha, R.M.; Santos, R.; Sepúlveda, P.; Silva, R.; Silva, T.; Souto, J.; Triay-Portella, R.; Wirtz, P.; Xavier, J.R.; Bastida-Zavala, R.; Bellou, N.; Gueroun, S.K.M.; Monteiro, J.G. (2024). A pioneering longterm experiment on mesophotic macrofouling communities in the North Atlantic. *Nature Communications Biology*, 7 (1). DOI: https://doi.org/10.1038/s42003-024-07249-4.

**Canoville, A.**; Robin, J.; De Buffrénil, V. (2024). Ontogenetic development of limb bone microstructure in the king penguin, Aptenodytes patagonicus (Miller, 1778), with considerations for palaeoecological inferences in Sphenisciformes. *Zoological Journal of the Linnean Society*, 203 (1), zlae002. DOI: https://doi.org/10.1093/zoolinnean/zlae002.

Capasso, L.; **Witzmann, F.** (2024). Non-dental odontodes. *Historical Biology*, 1-6. DOI: https://doi.org/10.1080/08912963.2024.2405882.

Capasso, L.; Ebert, M.; **Witzmann, F.** (2024). Dental paleopathologies in †Pycnodontiformes (Osteichthyes). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 311 (3), 299-341. DOI: https://doi.org/10.1127/njgpa/2024/1193.

Capasso, L.; Ebert, M.; **Witzmann, F.** (2024). Skeletal and integumental paleopathologies in †Pycnodontomorpha. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 313, (1), 39-66. DOI: https://doi.org/10.1127/njgpa/2024/1218.

Carter, G. G.; **Ripperger, S. P.**; Girbino, V.; Dixon, M. M.; Razik, I.; Page, R. A.; Hobson, E. A. (2024). Long‐term cooperative relationships among vampire bats are not strongly predicted by their initial interactions. *Annals of the New York Academy of Sciences*, 1541 (1), 129-139. DOI: <https://doi.org/10.1111/nyas.15241>.

Caruso, V.; **Hartop, E.**; Chimeno, C.; Noori, S.; **Srivathsan, A.**; Haas, M.; Lee, L.; Meier, R.; Whitmore, D. (2024). An integrative framework for dark taxa biodiversity assessment at scale: A case study using Megaselia (Diptera, Phoridae). *Insect Conservation and Diversity*, 17 (6), 968-987. DOI: https://doi.org/10.1111/icad.12762.

Cesne, M. L.; **Hoch, H.**; Zhang, Y.; Bourgoin, T. (2024). Why cave planthoppers study matters: are Cixiidae a subtroglophile lineage? (Hemiptera, Fulgoromorpha). *Subterranean Biology*, 48, 147-170. DOI: https://doi.org/10.3897/subtbiol.48.117086.

Chabot, N. L.; Rivkin, A. S.; Cheng, A. F.; Barnouin, O. S.; Fahnestock, E. G.; Richardson, D. C.; Stickle, A. M.; Thomas, C. A.; Ernst, C. M.; Daly, R. T.; Dotto, E.; Zinzi, A.; Chesley, S. R.; Moskovitz, N. A.; Barbee, B. W.; Abell, P.; Agrusa, H. F.; Bannister, M. T.; Beccarelli, J.; (...), **Güldemann, N.**; **Luther, R.; Wünnemann, K.** (...), Zhang, Y. (2024). Achievement of the Planetary Defense Investigations of the Double Asteroid Redirection Test (DART) Mission. *The Planetary Science Journal*, 5 (2), 49-49. DOI: <https://doi.org/10.3847/psj/ad16e6>.

Chaverri, G.; Sagot, M.; Stynoski, J. L.; Araya-Salas, M.; Araya-Ajoy, Y.; **Nagy, M.**; **Knörnschild, M.**; Chaves-Ramírez, S.; Rose, N.; Sánchez-Chavarría, M.; Jiménez-Torres, Y.; Ulloa-Sanabria, D.; Solís-Hernández, H.; Carter, G. G. (2024). Calling to the collective: contact calling rates within groups of disc-winged bats do not vary by kinship or association. *Philosophical Transactions B*, 379 (1905). DOI: https://doi.org/10.1098/rstb.2023.0195.

Chiarenza, A. A.; **Cantalapiedra, J. L.**; Jones, L. A.; Gamboa, S.; Galván, S.; Farnsworth, A. J.; Valdes, P. J.; Sotelo, G.; Varela, S. (2024). Early Jurassic origin of avian endothermy and thermophysiological diversity in dinosaurs. *Current Biology*, 34 (11), 2517-2527e. DOI: https://doi.org/10.1016/j.cub.2024.04.051.

Chitimia-Dobler, L.; Handschuh, S.; **Dunlop, J. A.**; Pienaar, R.; Mans, B. J. (2024). Nuttalliellidae in Burmese amber: implications for tick evolution. *Parasitology*, 151 (9), 891-907. DOI: https://doi.org/10.1017/s0031182024000477.

**Chowdhury, M. A. W.**; **Müller, J.**; Ghose, A.; Amin, R.; Sayeed, A. A.; Kuch, U.; Faiz, M. A. (2024). Combining species distribution models and big datasets may provide finer assessments of snakebite impacts. *PLoS Neglected Tropical Diseases*, 18 (5), e0012161. DOI: https://doi.org/10.1371/journal.pntd.0012161.

Clark, G. E.; Palci, A.; Laver, R. J.; Hernandez-Morales, C.; Perez-Martinez, C. A.; Lewis, P. J.; Thies, M. L.; Bell, C. J.; Hipsley, C. A.; **Müller, J.**; Montero, R.; Daza, J. D. (2024). The specialized inner ear labyrinth of worm-lizards (Amphisbaenia: Squamata). *PLoS ONE*, 19 (11), e0312086. DOI: https://doi.org/10.1371/journal.pone.0312086.

Cruaud, A.; Rasplus, J.; Zhang, J.; Burks, R.; Delvare, G.; Fusu, L.; Gumovsky, A.; Huber, J. T.; Janšta, P.; Mitroiu, M.; Noyes, J. S.; Van Noort, S.; Baker, A.; Böhmová, J.; Baur, H.; **Blaimer, B. B.**; Brady, S. G.; Bubeníková, K.; Chartois, M.; ( . . .), Heraty, J. M. (2024). The Chalcidoidea bush of life: evolutionary history of a massiveradiation of minute wasps. *Cladistics*, 40 (1), 34-63. DOI: https://doi.org/10.1111/cla.12561.

Dai, K.; Luo, X.; Zhu, M.; Collins, G. S.; Davison, T.; **Luther, R.; Wünnemann, K.** (2024). Impact Momentum Transfer—Insights from Numerical Simulation of Impacts on Large Boulders of Asteroids. *The Planetary Science Journal*, 5 (9), 214. DOI: <https://doi.org/10.3847/psj/ad72eb>.

DeCoster, M. E.; **Luther, R.**; Collins, G. S.; Dai, K.; Davison, T.; Graninger, D. M.; **Kaufmann, F.**; Rainey, E. S. G.; Stickle, A. M. (2024). The Relative Effects of Surface and Subsurface Morphology on the Deflection Efficiency of Kinetic Impactors: Implications for the DART Mission. *The Planetary Science Journal*, 5,(1), 21. DOI: <https://doi.org/10.3847/psj/ad11ec>.

**De Faria, G. R.**; **Lazarus, D.**; **Renaudie, J.**; **Özen, V.**; **Struck, U.** (2024). Late Eocene to early Oligocene productivity events in the proto-Southern Ocean and correlation to climate change. *Climate of the Past*, 20 (6), 1327-1348. DOI: https://doi.org/10.5194/cp-20-1327-2024.

**De Mazancourt, V.**; **Freitag, H.**; **Von Rintelen, K.**; Manuel-Santos, M.; **Von Rintelen, T.** (2024). Correction: de Mazancourt et al. Updated Checklist of the Freshwater Shrimps (Decapoda: Caridea: Atyidae) of Mindoro Island, the Philippines, with a Description of a New Species of Caridina.  *Arthropoda*, 2 (2), 149-155. DOI: https://doi.org/10.3390/arthropoda2020011.

Denzer, W.; **Tillack, F.** (2024). The original description of Agama gutturosa Merrem, 1819 and its nomenclatural implications on the genus Bronchocela Kaup, 1827 (Squamata: Agamidae). *Zootaxa*, 5507 (2), 337-355. DOI: https://doi.org/10.11646/zootaxa.5507.2.6.

Dowsett, R. J.; **Frahnert, S.**; Dowsett-Lemaire, F. (2024). A taxonomic revision of the White-headed Black Chat Myrmecocichla arnotti (Aves: Muscicapidae). *Ostrich*, 95 (2), 113-124. DOI: https://doi.org/10.2989/00306525.2024.2366097.

Driever, W.; Holzschuh, J.; **Sommer, L.**; Nitschke, R.; Naumann, A.; **Elmer, J.**; **Giere, P.** (2024). Hilde Mangold: Original microscope slides and records of the gastrula organizer experiments. *Cells and Development*, 178, 203909. DOI: https://doi.org/10.1016/j.cdev.2024.203909.

Du Preez, L. H.; Netherlands, E. C.; **Rödel, M.**; Channing, A. (2024). A new bullfrog from southern Africa (Pyxicephalidae, Pyxicephalus Tschudi, 1838). *African Journal of Herpetology*, 73 (1), 61-89. DOI: https://doi.org/10.1080/21564574.2023.2296654.

**Dunlop, J.A.;** Garwood, R. (2024). A review of fossil scorpion higher systematics. *PeerJ*, 12, e18557-e18557. DOI: https://doi.org/10.7717/peerj.18557.

Egerer, M.; **Karlebowski, S.**; Conitz, F.; Neumann, A. E.; Schmack, J. M.; **Sturm, U.** (2024). In defence of urban community gardens. *People and Nature*, 6 (2), 367-376. DOI: https://doi.org/10.1002/pan3.10612.

Egerer, M.; **Karlebowski, S.**; Schoo, D.; **Sturm, U.** (2024). Growing gardens into neighborhoods through transdisciplinary research. *Urban Forestry & Urban Greening*, 100, 128481. DOI: https://doi.org/10.1016/j.ufug.2024.128481.

**Ehlers, S.**; Li, H.; **Kirschey, L.**; **Ohl, M.** (2024). A new species of the mantidfly genus Euclimacia from Vietnam (Neuroptera, Mantispidae). *Deutsche Entomologische Zeitschrift*, 71 (2), 255-264. DOI: https://doi.org/10.3897/dez.71.123553.

**England, S. J.**; Robert, D. (2024). Prey can detect predators via electroreception in air. *Proceedings of the National Academy of Sciences*, 121 (23), e2322674121. DOI: https://doi.org/10.1073/pnas.2322674121.

Farwig, N.; Sprenger, P. P.; Baur, B.; Böhning-Gaese, K.; Brandt, A.; Eisenhauer, N.; Ellwanger, G.; Hochkirch, A.; Karamanlidis, A. A.; Mehring, M.; Pusch, M.; Rehling, F.; **Sommerwerk, N.**; Spatz, T.; Svenning, J.; Tischew, S.; Tockner, K.; Tscharntke, T.; Vadrot, A. B. M.; Taffner, J.; Fürst, C.; Jähnig, S. C.; Mosbrugger, V. (2024). Identifying Major Factors for Success and Failure of Conservation Programs in Europe. *Environmental Management*. DOI: https://doi.org/10.1007/s00267-024-02086-x.

Feige, J.; Airo, A.; Berger, D.; Brückner, D.; Gärtner, A.; Genge, M.; Leya, I.; Habibi Marekani, F.; **Hecht, L.**; Klingner, N.; Lachner, J.; Li, X.; Merchel, S.; Nissen, J.; Patzer, A.B.C.; Peterson, S.; Schropp, A.; Sager, C.; Suttle, M.D.; Trappitsch, R.; Weinhold, J. (2024). Transport of dust across the Solar System: Constraints on the spatial origin of individual micrometeorites from cosmic-ray exposure. *Phil. Trans. R. Soc. A.*, 382, (2273), 20230197. DOI: <https://doi.org/10.1098/rsta.2023.0197>.

Fernandes, D. R.; **Santos, B. F.**; Pádua, D. G.; Araujo, R. O. (2024). Refining the Taxonomic Catalog of the Brazilian Fauna: some species of Darwin wasps (Hymenoptera: Ichneumonidae) erroneously reported for Brazil. *Zoologia (Curitiba)*, 41. DOI: <https://doi.org/10.1590/s1984-4689.v41.e23104>.

**Fernandez, A. A.**; Serve, N.; Fabian, S.; **Knörnschild, M.** (2024). Maternal behavior influences vocal practice and learning processes in the greater sac-winged bat. *eLife*, 13. DOI: https://doi.org/10.7554/elife.99474.1.

**Fernandez, A. A.**; **Tietge, M.**; **Ripperger, S.** (2024). Observations of a greater sac-winged bat pup (Saccopteryx bilineata) with a chromatic disorder. *Mammalia*, 88 (4), 332-336. DOI: https://doi.org/10.1515/mammalia-2023-0170.

**Ferner, K.** (2024). Development of the pulmonary vasculature in the gray short‐tailed opossum (Monodelphis domestica) - 3D reconstruction by microcomputed tomography. *The Anatomical Record*. DOI: <https://doi.org/10.1002/ar.25542>.

**Ferner, K.** (2024). Development of the terminal air spaces in the gray short-tailed opossum (Monodelphis domestica)– 3D reconstruction by microcomputed tomography. *PLoS ONE*, 19 (2), e0292482. DOI: https://doi.org/10.1371/journal.pone.0292482.

Fischer-Gödde, M.; Tusch, J.; Goderis, S.; Bragagni, A.; **Mohr-Westheide, T.**; Messling, N.; Elfers, B.; Schmitz, B.; Reimold, W. U.; Maier, W. D.; Claeys, P.; Koeberl, C.; Tissot, F. L. H.; Bizzarro, M.; Münker, C. (2024). Ruthenium isotopes show the Chicxulub impactor was a carbonaceous-type asteroid. *Science*, 385 (6710), 752-756. DOI: https://doi.org/10.1126/science.adk4868.

Freisem, L. S.; **Müller, J.**; Sues, H.; Sobral, G. (2024). A new sphenodontian (Diapsida: Lepidosauria) from the Upper Triassic (Norian) of Germany and its implications for the mode of sphenodontian evolution. *BMC Evolutionary Biology*, 24 (1). DOI: https://doi.org/10.1186/s12862-024-02218-1.

**Freyhof, J.**; **Jouladeh-Roudbar, A.** (2024). Turcinoemacheilus inexpectatus, a new nemacheilid loach from the Tigris drainage (Teleostei: Nemacheilidae). *Zootaxa*, 5399 (2), 172-180. DOI: https://doi.org/10.11646/zootaxa.5399.2.6.

**Freyhof, J.**; Yourtuolu, B. (2024). Luciobarbus lydianus and L. kottelati, two synonyms of L. graecus (Teleostei: Cyprinidae). *Zootaxa*, 5415 (3), 466-476. DOI: https://doi.org/10.11646/zootaxa.5415.3.6.

Friedrichs-Manthey, M.; Bowler, D. E.; **Freyhof, J.** (2024). Freshwater fish in mid and northern German rivers – Long-term trends and associated species traits. *Science of The Total Environment*, 957, 177759. DOI: https://doi.org/10.1016/j.scitotenv.2024.177759.

**Frisch, J.**; Turner, C. R.; Aristophanous, M. (2024). Scopaeus saotomensis spec. nov., a flightless rove beetle from the Island of São Tomé (Coleoptera: Staphylinidae: Paederinae: Lathrobiini) – Isolation and adaptation in a dark, humid, tropical forest environment. *Soil Organisms,* 96 (2), 69-78. DOI: https://doi.org/10.25674/417.

Gajski, D.; Mifková, T.; Košulič, O.; Michálek, O.; **Serbina, L. Š.**; Michalko, R.; Pekár, S. (2024). Brace yourselves, winter is coming: the winter activity, natural diet, and prey preference of winter-active spiders on pear trees. *Journal of Pest Science*, 97, 113-126. DOI: https://doi.org/10.1007/s10340-023-01609-5.

Garcia‐Erill, G.; Wang, X.; Rasmussen, M. S.; Quinn, L.; Khan, A.; Bertola, L. D.; Santander, C. G.; Balboa, R. F.; Ogutu, J. O.; Pečnerová, P.; Hanghøj, K.; Kuja, J.; Nursyifa, C.; Masembe, C.; Muwanika, V.; **Bibi, F.**; Moltke, I.; Siegismund, H. R.; Albrechtsen, A.; Heller, R. (2024). Extensive Population Structure Highlights an Apparent Paradox of Stasis in the Impala (Aepyceros melampus). *Molecular Ecology*, 33 (22). DOI: https://doi.org/10.1111/mec.17539.

Gattacceca, J.; McCubbin, F. M.; Grossman, J. N.; Schrader, D. L.; Cartier, C.; Consolmagno, G.; Goodrich, C.; **Greshake, A.**; Gross, J.; Joy, K. H.; Miao, B.; Zhang, B. (2024). The Meteoritical Bulletin, no. 112. *Meteoritics & Planetary Science*, 59 (7), 1820-1823. DOI: https://doi.org/10.1111/maps.14181.

Gautam, S.; McKenzie, S.; Katzke, J.; **Garcia, F. H.**; Yamamoto, S.; Economo, E. P. (2024). Evolution of odorant receptor repertoires across Hymenoptera is not linked to the evolution of eusociality. *Proceedings of the Royal Society B*, 291 (2031). DOI: <https://doi.org/10.1098/rspb.2024.1280>.

Gilasian, E.; **Ziegler, J.**; Jalilian, F.; Allahvaisi, S. (2024). A new species of the genus Minthodes Brauer & Bergenstamm (Diptera: Tachinidae) from Iran. *Journal of Insect Biodiversity and Systematics*, 10 (2), 327-337. DOI: https://doi.org/10.61186/jibs.10.2.327.

Gojznikar, J.; **Mayer, F.** (2024). Mitochondrial DNA reveals the impact of Pleistocene glaciations on a widespread palearctic bat species. *Mammalian Biology*. DOI: <https://doi.org/10.1007/s42991-024-00449-9>.

Götze, S.; **Reddin, C. J.**; Ketelsen, I.; Busack, M.; Lannig, G.; Bock, C.; Pörtner, H. (2024). Cardiac performance mirrors the passive thermal tolerance range in the oyster, Ostrea edulis. *Journal of Experimental Biology*, 228 (2). DOI: https://doi.org/10.1242/jeb.249750.

Gottscho, A. D.; **Mulcahy, D. G.**; Leaché, A. D.; De Queiroz, K.; Lovich, R. E. (2024). Population genomics of flat-tailed horned lizards (Phrynosoma mcallii) informs conservation and management across a fragmented Colorado Desert landscape. *Molecular Ecology*, 33 (7). DOI: https://doi.org/10.1111/mec.17308.

**Griesbaum, F.**; Pacher, K. (2024). Striped individuals of the grass snake, Natrix natrix (Linnaeus, 1758) in anthropogenic habitats of Berlin, Germany, might indicate human introduction. *North-Western Journal of Zoology*, 20 (1), 90-93. DOI: https://doi.org/10.5281/zenodo.11654911.

**Günther, R.**; Richards, S. (2024). Two new Choerophryne species from western Papua New Guinea (Amphibia: Anura: Microhylidae). *Salamandra*, 60 (3), 153-167

**Hagedorn, G.**; Peter, F. (2024). Efficacy Simulations. A pattern of inadequate environmental action – Wirksamkeitssimulationen. Ein Muster unzureichender Umweltschutzmaßnahmen. *Zeitschrift Umweltpsychologie*, 27 (2), 371-384.

**Hamann, C.**; Piehl, P.; Weingart, E.; Stolle, D.; Al-Sabbagh, D.; Ostermann, M.; Auer, G.; Adam, C. (2024). Selective removal of zinc and lead from electric arc furnace dust by chlorination–evaporation reactions. *Journal of Hazardous Materials*, 465 (5), 133421. DOI: https://doi.org/10.1016/j.jhazmat.2023.133421.

**Hampe, O.**; Von der Hocht, F. (2024). The first cetacean from the early Oligocene of the SW German Mainz Basin: a probable cheek tooth of a mysticete (Mammalia: Cetacea). *Paläontologische Zeitschrift*, 98 (1), 161-174. DOI: https://doi.org/10.1007/s12542-023-00676-4.

**Hartop, E.**; Lee, L.; **Srivathsan, A.**; Jones, M.; Peña-Aguilera, P.; Ovaskainen, O.; Roslin, T.; **Meier, R.** (2024). Resolving Biology’s Dark Matter: Species richness, spatiotemporal distribution, and community composition of a dark taxon. *BMC Biology*, 22 (1), 215. DOI: https://doi.org/10.1186/s12915-024-02010-z.

Hashizume, T.; **Schülke, M.**; Maruyama, M. (2024). Tachinus of Japan (Coleoptera: Staphylinidae: Tachyporinae): new records, a new synonym, and a new species. *Acta entomologica Musei Nationalis Pragae*, 64 (1), 121-139. DOI: https://doi.org/10.37520/aemnp.2024.010.

Hauffe, T.; **Cantalapiedra, J. L.**; Silvestro, D. (2024). Trait-mediated speciation and human-driven extinctions in proboscideans revealed by unsupervised Bayesian neural networks. *Science Advances*, 10 (30), eadl2643. DOI: https://doi.org/10.1126/sciadv.adl2643.

**Hempel, E.**; Faith, J. T.; Preick, M.; De Jager, D.; Barish, S.; Hartmann, S.; Grau, J. H.; Moodley, Y.; Gedman, G.; Pirovich, K. M.; **Bibi, F.**; Kalthoff, D. C.; Bocklandt, S.; Lamm, B.; Dalén, L.; Westbury, M. V.; Hofreiter, M. (2024). Colonial-driven extinction of the blue antelope despite genomic adaptation to low population size. *Current Biology*, 34 (9), 2020-2029. DOI: <https://doi.org/10.1016/j.cub.2024.03.051>.

**Heyne, E.**; Weißpflug, M.; **Sturm, U.** (2024). Participatory Practices and Transforming Environmental Research in the Anthropocene. *Environmental Science & Policy*, 153, 103655. DOI: https://doi.org/10.1016/j.envsci.2023.103655.

**Hoch, H.**; Pingel, M.; Voigt, D.; Wyss, U.; Gorb, S. (2024). Adhesive properties of Aphrophoridae spittlebug foam. *Journal of the Royal Society Interface*, 21 (210). DOI: https://doi.org/10.1098/rsif.2023.0521.

**Hoch, H.**; Porter, M. L.; Slay, C. M.; Slay, M. E.; Steck, M.; Chong, R. A. (2024). From the dark side of paradise: a new natural replication of cave planthopper evolution from Hawaiian lava tubes (Hemiptera: Fulgoromorpha: Cixiidae). *Zoological Journal of the Linnean Society*, 202 (3). DOI: https://doi.org/10.1093/zoolinnean/zlad198.

**Hopman, R.** (2024). Snails, time, data: On the politics of mass-digitization and the possibility of data drift. *Big Data & Society*, 11 (3). DOI: https://doi.org/10.1177/20539517241267760.

Horstmann, L.; Lipus, D.; Bartholomäus, A.; Arens, F.; **Airo, A.**; Ganzert, L.; Zamorano, P.; Schulze-Makuch, D.; Wagner, D. (2024). Persistent microbial communities in hyperarid subsurface habitats of the Atacama Desert: Insights from intracellular DNA analysis. *PNAS Nexus*, 3 (4), pgae123. DOI: https://doi.org/10.1093/pnasnexus/pgae123.

Hu, F.; Arriaga-Varela, E.; Biffi, G.; Bocák, L.; Bulirsch, P.; Damaška, A. F.; **Frisch, J.**; Hájek, J.; Hlaváč, P.; Ho, B.; Ho, Y.; Hsiao, Y.; Jelínek, J.; Klimaszewski, J.; Kundrata, R.; Löbl, I.; Makranczy, G.; Matsumoto, K.; Phang, G.; ( . . .), Fikáček, M. (2024). Forest leaf litter beetles of Taiwan: first DNA barcodes and first insight into the fauna. *Deutsche Entomologische Zeitschrift*, 71 (1), 17-47. DOI: https://doi.org/10.3897/dez.71.112278.

Isaak, A. L.; Ho, M.; Dhillon, M. S.; Johnson, M. D.; Westphal, H.; **Doo, S. S.** (2024). Macroalgal presence decreases coral calcification rates more than ocean acidification. *Coral Reefs*, 43 (4), 1133-1137. DOI: https://doi.org/10.1007/s00338-024-02515-7.

Jensen, L.K.; Hartmann, K.T.; **Witzmann, F.**; Asbach, P.; Stewart, P.S. (2024). Bone infection evolution. *Injury*, 55, (Supplement 6), 111826-111826. DOI: https://doi.org/10.1016/j.injury.2024.111826.

Jiménez-Mejías, P.; Manzano, S.; Gowda, V.; Krell, F.; Lin, M.; Martín-Bravo, S.; Martín-Torrijos, L.; Feliner, G. N.; Mosyakin, S. L.; Naczi, R. F. C.; Acedo, C.; Álvarez, I.; Crisci, J. V.; Garcés, M. L.; Manning, J.; Saiz, J. C. M.; Muasya, A. M.; Riina, R.; Meseguer, A. S.; (...) Fitzpatrick, M.; **Hita Garcia, F**.; +1500 additional coauthors. (2024). Protecting stable biological nomenclatural systems enables universal communication: A collective international appeal. *BioScience*, 74 (7), 467-472. DOI: <https://doi.org/10.1093/biosci/biae043>.

Johnson, M. M.; Scheyer, T. M.; **Canoville, A.**; Maxwell, E. E. (2024). Palaeohistology of Macrospondylus bollensis (Crocodylomorpha: Thalattosuchia: Teleosauroidea) from the Posidonienschiefer Formation (Toarcian) of Germany, with insights into life history and ecology. *The Anatomical Record*, 308 (2). DOI: https://doi.org/10.1002/ar.25577.

**Josić, D.**; **Çoraman, E.**; **Waurick, I.**; Franzenburg, S.; Ancillotto, L.; Bajić, B.; Budinski, I.; Dietz, C.; Görföl, T.; **Bofill, S. I. H.**; Presetnik, P.; Russo, D.; Spada, M.; Zrnčić, V.; **Blom, M. P. K.**; **Mayer, F.** (2024). Cryptic hybridization between the ancient lineages of Natterer's bat (Myotis nattereri). *Molecular Ecology*, 33 (13), e17411. DOI: https://doi.org/10.1111/mec.17411.

**Jouladeh-Roudbar, A.**; Kaya, C.; Vatandoust, S.; Ghanavi, H. R. (2024). New insights into the phylogeny of Carasobarbus Karaman, 1971 (Actinopterygii, Cyprinidae) with the description of three new species. *Scientific Reports*, 14 (1), 21801. DOI: https://doi.org/10.1038/s41598-024-71463-7.

Nascimento, J. C. S.; Blanco, F.; Domingo, M. S.; **Cantalapiedra, J. L**.; Pires, M. M. (2024). The reorganization of predator–prey networks over 20 million years explains extinction patterns of mammalian carnivores. *Ecology Letters*, 27, (6). DOI: <https://doi.org/10.1111/ele.14448>.

Kargopoulos, N.; Marugán-Lobón, J.; Chinsamy, A.; Agwanda, B. R.; Brown, M. B.; Fennessy, S.; Ferguson, S.; Hoffman, R.; Lala, F.; Muneza, A.; Mwebi, O.; Otiende, M.; **Petzold, A.**; Winter, S.; Zabeirou, A. R. M.; Fennessy, J. (2024). Heads up–Four Giraffa species have distinct cranial morphology. *PLoS ONE*, 19 (12), e0315043. DOI: https://doi.org/10.1371/journal.pone.0315043.

Kaya, C.; Kurtul, I.; Aksu, İ.; Oral, M.; **Freyhof, J.** (2024). Oxynoemacheilus chaboras, a new loach species from the Euphrates drainage in Türkiye (Teleostei, Nemacheilidae). *Zoosystematics and Evolution*, 100 (2), 457-468. DOI: https://doi.org/10.3897/zse.100.118612.

**Kean, K. J.**; **Danto, M.**; **Pérez-Ben, C.**; **Fröbisch, N. B.** (2024). Evolution of the tetrapod skull: a systematic review of bone loss.. *Fossil Record*, 27 (3), 445-471. DOI: https://doi.org/10.3897/fr.27.133803.

**Keinath, S.**; De Silva, S.; **Sommerwerk, N.**; **Freyhof, J.** (2024). High levels of species' extirpation in an urban environment—A case study from Berlin, Germany, covering 1700–2023. *Ecology and Evolution*, 14 (7), e70018. DOI: https://doi.org/10.1002/ece3.70018.

Keipert, S.; Gaudry, M. J.; Kutschke, M.; Keuper, M.; Rosa, M. A. S. D.; Cheng, Y.; Kuhn, J. M. M.; Laterveer, R.; Cotrim, C. A.; **Giere, P.**; Perocchi, F.; Feederle, R.; Crichton, P. G.; Lutter, D.; Jastroch, M. (2024). Two-stage evolution of mammalian adipose tissue thermogenesis. *Science*, 384 (6700), 1111-1117. DOI: https://doi.org/10.1126/science.adg1947.

**Kilic, K. D.**; Erisik, D.; Taskiran, D.; Turhan, K.; Kose, T.; Cetin, E. O.; R, A. S.; Uyanikgil, Y. (2024). Protective effects of E-CG-01 (3,4-lacto cycloastragenol) against bleomycin-induced lung fibrosis in C57BL/6 mice. *Biomedicine & Pharmacotherapy*, 177, 117016-117016. DOI: https://doi.org/10.1016/j.biopha.2024.117016.

**Kirschke, S.**; Akif, N. U. (2024). How do the social sciences approach wicked resource nexus problems? A bibliometric review. *Environmental Earth Sciences*, 83, 607. DOI: https://doi.org/10.1007/s12665-024-11884-9.

Klein, H.; Lucas, S. G.; Lallensack, J. N.; **Marchetti, L.** (2024). Peabody's legacy: the Moenkopi Formation (Middle Triassic, Anisian)  
tetrapod ichnofauna—updates from an extensive new tracksite in NE  
Arizona, USA. *PalZ*, 98, (2), 357-389. DOI: https://doi.org/10.1007/s12542-023-00680-8.

**Klotz, Werner; Von Rintelen, Thomas; Von Rintelen, Kristina**. (2024). Three New Species of the Freshwater Shrimp Genus Caridina from Australia. *Arthropoda*, 2 (1), 99-118. DOI: https://doi.org/10.3390/arthropoda2010008.

Kment, P.; Jacobs, D. H.; Carapezza, A.; **Deckert, J.**; Rider, D. A.; Kóbor, P. (2024). Desert Bugs (Hemiptera: Heteroptera: Thaumastellidae): New records and review of the distribution and habitat of this relict group. *Zootaxa*, 5541 (2), 144-162. DOI: https://doi.org/10.11646/zootaxa.5541.2.2.

Knecht, R. J.; Benner, J. S.; Swain, A.; Azevedo-Schmidt, L.; Cleal, C. J.; Labandeira, C. C.; Engel, M. S.; **Dunlop, J. A.**; Selden, P. A.; Eble, C. F.; Renczkowski, M. D.; Wheeler, D. A.; Funderburk, M. M.; Emma, S. L.; Knoll, A. H.; Pierce, N. E. (2024). Early Pennsylvanian Lagerstätte reveals a diverse ecosystem on a subhumid, alluvial fan. *Nature Communications*, 15 (1). DOI: https://doi.org/10.1038/s41467-024-52181-0.

Kohout, T.; Pajola, M.; Soini, A.; Lucchetti, A.; Luttinen, A.; Duchêne, A.; Murdoch, N.; **Luther, R.**; Chabot, N. L.; Raducan, S. D.; Sánchez, P.; Barnouin, O. S.; Rivkin, A. S. (2024). Impact Disruption of Bjurböle Porous Chondritic Projectile. *The Planetary Science Journal*, 5 (5), 128-128. DOI: https://doi.org/10.3847/psj/ad4266.

**Korn, D.** (2024). Late Devonian tornoceratid ammonoids from the Timan region, NW Russia. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 310 (3), 219-228. DOI: https://doi.org/10.1127/njgpa/2023/1178.

Kovac, D.; **Kameneva, E. P.**; **Korneyev, S. V.**; Araújo, A. S.; Savaris, M.; Smit, J. T.; Schneider, A.; Schreiber, R.; Korneyev, V. A. (2024). Revision of the Aspistomella group of genera (Diptera: Ulidiidae: Pterocallinae: Lipsanini). *Zootaxa*, 5530 (1), 1-117. DOI: https://doi.org/10.11646/zootaxa.5530.1.1.

Kukushkin, O.; **Tillack, F.**; Doronin, I.; Kluge, N.; Jablonski, D. (2024). Johann Gottlieb Georgi or Peter Simon Pallas: review regarding the authorship and description of Lacerta taurica (Squamata, Lacertidae). *Zootaxa*, 5493, (5), 542-560. DOI: https://doi.org/10.11646/zootaxa.5493.5.4.

Landry, B.; **Léger, T.** (2024). Taxonomic revision of the Crambinae (Lepidoptera, Pyralidae sensu lato) of the Galápagos Islands, Ecuador. *Revue suisse de zoologie*, 131 (2), 357-387. DOI: https://doi.org/10.35929/rsz.0129.

Lewthwaite, J. M. M.; Baiotto, T. M.; Brown, B. V.; Cheung, Y. Y.; Baker, A. J.; Lehnen, C.; McGlynn, T. P.; Shirey, V.; Gonzalez, L.; **Hartop, E.**; Kerr, P. H.; Wood, E.; Guzman, L. M. (2024). Drivers of arthropod biodiversity in an urban ecosystem. *Scientific Reports*, 14 (1), 390. DOI: https://doi.org/10.1038/s41598-023-50675-3.

Li, H.; Zhuo, D.; Wang, B.; Nakamine, H.; Yamamoto, S.; Zhang, W.; Jepson, J. E.; **Ohl, M.**; Aspöck, U.; Aspöck, H.; Nyunt, T. T.; Engel, M. S.; Benton, M. J.; Donoghue, P.; Liu, X. (2024). A double-edged sword: evolutionary novelty along deep-time diversity oscillation in an iconic group of predatory insects (Neuroptera: Mantispoidea). *Systematic Biology*. DOI: https://doi.org/10.1093/sysbio/syae068.

Liu, C.; **Hita Garcia, F.**; Peng, Y.-Q.; Pierce, N.E. (2024). Taxonomy of the ant genus Cerapachys Smith, 1857 (Hymenoptera:Formicidae) in China with description of a new species. *Asian Myrmecology*, 17, e017001. DOI: https://doi.org/10.20362/am.017001.

Lompa, T.; Ebbing, J.; **Wünnemann, K.** (2024). Evolution of Impact Basin Gravity Signatures on the Lunar Farside: A Long‐Term Alteration Process. *Journal of Geophysical Research - Planets*, 129 (4). DOI: https://doi.org/10.1029/2023je008177.

Lukhaup, C.; Eprilurahman, R.; **Von Rintelen, T.** (2024). Two New Species of Crayfish of the Genus Cherax (Crustacea, Decapoda, Parastacidae) from Western and Eastern Indonesian New Guinea. *Arthropoda*, 2 (4), 264-293. DOI: https://doi.org/10.3390/arthropoda2040019.

**MacDougall, M.J; Jannel, A.**; Henrici, A.C.; Berman, D.S.; Sumida, S.S.; Martens, T.; **Fröbisch, N.B.; Fröbisch, J.** (2024). A new recumbirostran ‘microsaur’ from the lower Permian Bromacker locality, Thuringia, Germany, and its fossorial adaptations. *Scientific Reports*, 14 (1). DOI: <https://doi.org/10.1038/s41598-023-46581-3>.

Malekmohammadi, M.; Koutroumpa, K.; Crespo, M. B.; Domina, G.; Korotkova, N.; Akhani, H.; **von Mering, S.**; Borsch, T.; Berendsohn, W. (2024). A taxonomic backbone for the Plumbaginaceae (Caryophyllales). *PhytoKeys*, 243, 67-103. DOI: <https://doi.org/10.3897/phytokeys.243.122784>.

Maller, A.; Landeau, M.; **Allibert, L.**; Charnoz, S. (2024). Condition for metal fragmentation during Earth-forming collisions. *Physics of the Earth and Planetary Interiors*, 352, 107199. DOI: https://doi.org/10.1016/j.pepi.2024.107199.

**Marchetti, L.** (2024). Stratigraphy of the Early Permian Bromacker  
locality (Tambach Formation, Sakmarian,  
Germany). *Permophiles*, 76, 33-35

**Marchetti, L.**; **MacDougall, M. J.**; Buchwitz, M.; **Canoville, A.**; **Herde, M.**; Kammerer, C. F.; **Fröbisch, J.** (2024). Origin and early evolution of vertebrate burrowing behaviour. *Earth-Science Reviews*, 250, 104702-104702. DOI: https://doi.org/10.1016/j.earscirev.2024.104702.

Marcuk, V.; **Eckhoff, P.** (2024). First description of the nest and eggs of the Spot-throated Hummingbird Thaumasius taczanowski. *Cotinga*, 46, 43-45

Marcuk, V.; Greeney, H. F.; **Eckhoff, P.** (2024). The Nest and Eggs of the Rufous-shafted Woodstar *Chaetocercus jourdanii andinus*, with a Review on the Breeding Data for the Genus; El nido y los huevos del Colibrí de Jourda Chaetocercus jourdanii andinus, con una revisión de los datos reproductivos del género. *El Hornero*, 39 (1), 119-124. DOI: https://doi.org/10.56178/eh.v39i1.1473.

**Marjanović, D.**; Maddin, H. C.; Olori, J. C.; Laurin, M. (2024). The new problem of Chinlestegophis and the origin of caecilians (Amphibia, Gymnophionomorpha) is highly sensitive to old problems of sampling and character construction. *Fossil record*, 27 (1), 55-94. DOI: https://doi.org/10.3897/fr.27.e109555.

Massad, T. J.; Abrão, O. J.; António, H.; Chechene, A.; Tenente, B. S. C.; André, A.; Mundoza, D. F.; Stalmans, M. E.; Gaynor, K. M.; Mandlate, L. J. C.; **Rödel, M.**; Naskrecki, P. (2024). Ecosystem-wide responses to fire and large mammal herbivores in an African savanna. *Biotropica*, 56 (4). DOI: https://doi.org/10.1111/btp.13338.

Mathes, G. H.; **Reddin, C. J.**; Kiessling, W.; Antell, G. S.; Saupe, E. E.; Steinbauer, M. J. (2024). Spatially Heterogeneous Responses of Planktonic Foraminiferal Assemblages Over 700,000 Years of Climate Change. *Global Ecology and Biogeography*, 33 (11), e13905. DOI: <https://doi.org/10.1111/geb.13905>.

Mazzoni, V.; Anfora, G.; Cocroft, R. B.; Fatouros, N. E.; Groot, A. T.; Gross, J.; Hill, P. S.; **Hoch, H.**; Ioriatti, C.; Nieri, R.; Pekas, A.; Stacconi, M. V. R.; Stelinski, L. L.; Takanashi, T.; Virant-Doberlet, M.; **Wessel, A.** (2024). Bridging biotremology and chemical ecology: a new terminology. *Trends in Plant Science*, 29 (8), 848-855. DOI: <https://doi.org/10.1016/j.tplants.2024.04.002>.

McKibbin, S.J.; **Hecht, L.**; Makarona, C.; Huber, M.; Terryn, H.; Claeys, P. (2024). Forsteritic olivine in EH (enstatite) chondrite meteorites: A record of nebular, metamorphic, and crystal-lattice diffusion effects. *Meteorit Planet Sci*, 59 (6), 1277-1296. DOI: <https://doi.org/10.1111/maps.14147>.

**Meier, R.**; **Hartop, E.**; Pylatiuk, C.; **Srivathsan, A.** (2024). Towards holistic insect monitoring: species discovery, description, identification and traits for all insects. *Philosophical Transactions of the Royal Society B*, 379 (1904), 20230120. DOI: https://doi.org/10.1098/rstb.2023.0120.

**Meier, R.**; Lawniczak, M. K.; **Srivathsan, A.** (2024). Illuminating Entomological Dark Matter with DNA Barcodes in an Era of Insect Decline, Deep Learning, and Genomics. *Annual Review of Entomology*, 70, 185-204. DOI: https://doi.org/10.1146/annurev-ento-040124-014001.

**Mey, W.** (2024). First fossil record of the primitive family Acanthopteroctetidae from Myanmar amber (Lepidoptera, Glossata). *Palaeoentomology*, 7 (4), 457-460. DOI: https://doi.org/10.11646/palaeoentomology.7.4.2.

**Mey, W.** (2024). Preheterobathmia gen. nov. – a new non-glossatan taxon from Myanmar amber tentatively assigned to Heterobathmiidae (Insecta, Lepidoptera). *Nota Lepidopterologica*, 47, 1-10. DOI: https://doi.org/10.3897/nl.47.111080.

Miao, L.; Liu, X.; Brayard, A.; **Korn, D.**; Dai, X.; Song, H. (2024). Morphological complexity promotes origination and extinction rates in ammonoids. *Current Biology*, 34 (23), 5587-5594. DOI: https://doi.org/10.1016/j.cub.2024.10.014.

**Michalik, T.;** Maturilli, A.; Cloutis, E. A.; Stephan, K.; Milke, Ralf; Matz, K.-D.; Jaumann, Ralf; **Hecht, L.**; Hiesinger, H.; Otto, K. A. (2024). Laboratory VIS–NIR reflectance measurements of heated Vesta regolith analogs: Unraveling the spectral properties of the pitted impact deposits on Vesta. *Meteoritics & Planetary Science*, 59 (6), 1421-1454. DOI: <https://doi.org/10.1111/maps.14156>.

**Moormann, A.**; Beniermann, A.; Roemer, L.; Belzen, A. U. Z.; Ziegler, M. (2024). Trajectories of students’ momentary interest in evolution during a museum guided tour. *Science Education*, 46, 1-21. DOI: https://doi.org/10.1080/09500693.2024.2423411.

Moreau, J.; Jõeleht, A.; Stojic, A. N.; **Hamann, C.**; **Kaufmann, F. E. D.**; Somelar, P.; Plado, J.; Hietala, S.; Kohout, T. (2024). Experimentally induced troilite melt pervasion in chondritic analog materials: A study for FeNi-FeS darkening in chondrites. *Meteoritics & Planetary Science*, 59 (12), 3229-3249. DOI: https://doi.org/10.1111/maps.14274.

Müller, S.; **Jahn, O.**; Jung, K.; Mitesser, O.; Ammer, C.; Böhm, S.; Ehbrecht, M.; Farina, A.; Renner, S. C.; Pieretti, N.; Schall, P.; Tschapka, M.; Wells, K.; Scherer-Lorenzen, M. (2024). Temporal dynamics of acoustic  
diversity in managed forests. *Frontiers in Ecology and Evolution*, 12. DOI: https://doi.org/10.3389/fevo.2024.1392882.

**Ndongo, P. A. M.;** Clark, P. F.; **Von Rintelen, T.**; Cumberlidge, N. (2024). Four New Sudanonautes Species of Freshwater Crabs (Crustacea: Decapoda: Potamonautidae) from Cameroon, Central Africa. *Diversity*, 16 (6), 345. DOI: https://doi.org/10.3390/d16060345.

**Ndongo, P. A. M.;** Clark, P. F.; **Von Rintelen, T.**; Cumberlidge, N. (2024). Validation of four species of Sudanonautes (Decapoda: Potamonautidae), from Cameroon, Central Africa. *Zootaxa*, 5492 (1), 140-144. DOI: https://doi.org/10.11646/zootaxa.5492.1.9.

**Ndongo, P. A. M.**; **Von Rintelen, T.**; Clark, P. F.; Cumberlidge, N. (2024). Morphological and molecular evidence support four new Liberonautes Bott, 1955 (Decapoda, Potamonautidae, Liberonautinae) species of freshwater crabs from Sierra Leone, West Africa. *Crustaceana*, 97 (5-9), 709-731. DOI: https://doi.org/10.1163/15685403-bja10410.

Nečas, T.; Kielgast, J.; Chinemerem, I. G.; **Rödel, M.**; Dolinay, M.; Gvoždík, V. (2024). The phylogenetic position of Hyperolius sankuruensis (Anura: Hyperoliidae) reveals biogeographical affinity between the central Congo and West Africa, and illuminates the taxonomy of Hyperolius concolor. *Zoological Journal of the Linnean Society*, 202 (4). DOI: https://doi.org/10.1093/zoolinnean/zlae046.

Nečas, T.; Mazuch, T.; Czurda, J.; Elmi, H. S. A.; **Rödel, M.**; Gvoždík, V. (2024). Evolutionary relationships in the African frog family Ptychadenidae, including the first molecular analysis, range extension, and distribution modelling of the monotypic genus Lanzarana. *African Journal of Herpetology*, 73 (2), 236-260. DOI: <https://doi.org/10.1080/21564574.2024.2404860>.

Neumann, A. E.; Conitz, F.; **Karlebowski, S.**; **Sturm, U.**; Schmack, J. M.; Egerer, M. (2024). Flower richness is key to pollinator abundance: The role of garden features in cities. *Basic and Applied Ecology*, 79, 102-113. DOI: https://doi.org/10.1016/j.baae.2024.06.004.

Norrbom, A. L.; Moore, M. R.; Paynter, Q.; McGrath, Z.; Probst, C. M.; **Korneyev, V. A.**; Wiegmann, B. M.; Cassel, B.; Rodriguez, E. J.; Steck, G. J.; Sutton, B. D.; Branham, M. A.; Ruiz-Arce, R. (2024). Color Morphs in Anastrepha nigrotaenia (Enderlein), New Combination (Diptera: Tephritidae) and Resultant Synonymy. *Proceedings of the Entomological Society of Washington*, 126 (1), 21-55. DOI: https://doi.org/10.4289/0013-8797.126.1.21.

Novaga, R.; Bellucci, D.; Geiger, M. F.; **Freyhof, J.** (2024). Cobitis feroniae, a new spined loach from southern Latium, Italy (Teleostei: Cobitidae). *Zootaxa*, 5458 (3), 385-402. DOI: https://doi.org/10.11646/zootaxa.5458.3.4.

Oeser, J.; Zurell, D.; **Mayer, F.**; **Çoraman, E.**; Toshkova, N.; Deleva, S.; Natradze, I.; Benda, P.; Ghazaryan, A.; Irmak, S.; Hasanov, N.; Guliyeva, G.; Gritsina, M.; Kuemmerle, T. (2024). The best of two worlds: Using stacked generalization for integrating expert range maps in species distribution models. *Global Ecology and Biogeography*. DOI: https://doi.org/10.1111/geb.13911.

Oláh, J.; Johanson, K. A.; **Mey, W.**; Salokannel, J.; Vinçon, G. (2024). Revision of the colourful genus Parasetodes McLachlan, 1880 (Trichoptera, Leptoceridae). *Opuscula Zoologica*, 55, 1-45. DOI: https://doi.org/10.18348/opzool.2024.1.1.

Ormö, J.; Raducan, S. D.; Housen, K. R.; **Wünnemann, K.**; Collins, G. S.; Rossi, A. P.; Melero‐Asensio, I. (2024). Effect of Target Layering in Gravity‐Dominated Cratering in Nature, Experiments, and Numerical Simulations. *Journal of Geophysical Research Planets*, 129 (5). DOI: <https://doi.org/10.1029/2023je008110>.

Pádua, D. G.; Silva-Santos, I.; **Santos, B. F.**; Faustino-Magalhães, M. D.; Souza, M. N. A.; Kloss, T. G. (2024). The Darwin wasp Camera thoracica (Szpligeti, 1916)(Ichneumonidae) as a natural enemy of the dreaded Brazilian wandering spider Phoneutria nigriventer (Keyserling, 1891)(Ctenidae).. *Zootaxa*, 5403 (4), 459-468. DOI: <https://doi.org/10.11646/zootaxa.5403.4.4>.

Paiva, C. L.; Hipsley, C. A.; **Müller, J.**; Zaher, H.; Costa, H. C. (2024). Comparative skull osteology of Amphisbaena arda and Amphisbaena vermicularis (Squamata: Amphisbaenidae). *Journal of Morphology*, 285 (5), e21702. DOI: https://doi.org/10.1002/jmor.21702.

Pavón-Vázquez, C. J.; Rana, Q.; Farleigh, K.; Crispo, E.; Zeng, M.; Liliah, J.; **Mulcahy, D.**; Ascanio, A.; Jezkova, T.; Leaché, A. D.; Flouri, T.; Yang, Z.; Blair, C. (2024). Gene Flow and isolation in the arid Nearctic revealed by genomic analyses of Desert Spiny Lizards. *Systematic Biology*, 73 (2), 323-342. DOI: https://doi.org/10.1093/sysbio/syae001.

**Peñalba, Joshua V**; Runemark, Anna; Meier, Joana I; Singh, Pooja; Wogan, Guinevere OU; Sánchez-Guillén, Rosa; Mallet, James; Rometsch, Sina J; Menon, Mitra; Seehausen, Ole. (2024). The Role of Hybridization in Species Formation and Persistence. *Cold Spring Harbor Perspectives in Biology*, 16 (12), a041445. DOI: <https://doi.org/10.1101/cshperspect.a041445>.

Plön, S.; Andra, K.; Auditore, L.; Gegout, C.; Hale, P. J.; **Hampe, O.**; Ramilo-Henry, M.; Burkhardt-Holm, P.; Jaigirdar, A. M.; Klein, L.; Maewashe, M. K.; Müssig, J.; Ramsarup, N.; Roussouw, N.; Sabin, R.; Shongwe, T. C.; Tuddenham, P. (2024). Marine mammals as indicators of Anthropocene Ocean Health. *npj Biodiversity*, 3, 24. DOI: https://doi.org/10.1038/s44185-024-00055-5.

Poelchau, M. H.; Winkler, R.; Kenkmann, T.; Wirth, R.; **Luther, R.**; Schäfer, F. (2024). Extreme twin densities in calcite—A shock indicator. *Geology*. DOI: https://doi.org/10.1130/g52795.1.

**Ponstein, J.**; Hermanson, G.; **Jansen, M. W.**; **Renaudie, J.**; **Fröbisch, J.**; Evers, S. W. (2024). Functional and Character Disparity Are Decoupled in Turtle Mandibles. *Ecology and Evolution*, 14 (11). DOI: https://doi.org/10.1002/ece3.70557.

**Ponstein, J.**; **MacDougall, M. J.**; **Fröbisch, J.** (2024). A comprehensive phylogeny and revised taxonomy of Diadectomorpha with a discussion on the origin of tetrapod herbivory. *Royal Society Open Science*, 11 (6). DOI: https://doi.org/10.1098/rsos.231566.

**Prino, A.**; **Witzmann, F.**; Schwermann, A.; Garbay, L.; Sander, P.; Konietzko-Meier, D. (2024). How not to disappear completely: new Stereospondyli fossils from the Rhaetian, Upper Triassic of Bonenburg, North Rhine-Westphalia and their implications for the Late Triassic extinction of Stereospondyli.. *Acta Palaeontologica Polonica*, 69 (4), 687-712. DOI: https://doi.org/10.4202/app.01147.2024.

**Pusch, L. C.**; Kammerer, C. F.; **Fröbisch, J.** (2024). The origin and evolution of Cynodontia (Synapsida, Therapsida): Reassessment of the phylogeny and systematics of the earliest members of this clade using 3D-imaging technologies. *The Anatomical Record*, 307 (4), 1634-1730. DOI: https://doi.org/10.1002/ar.25394.

Raducan, S. D.; Jutzi, M.; Cheng, A. F.; Zhang, Y.; Barnouin, O.; Collins, G. S.; Daly, R. T.; Davison, T. M.; Ernst, C. M.; Farnham, T. L.; Ferrari, F.; Hirabayashi, M.; Kumamoto, K. M.; Michel, P.; Murdoch, N.; Nakano, R.; Pajola, M.; Rossi, A.; Agrusa, H. F.; Barbee, B. W.; Syal, M. Bruc, Chabot, N. L.; Dotto, E.; Fahnestock, E. G.; Hasselmann, P. H.; Herreros, I.; Ivanovski, S.; Li, J. -Y.; Lucchetti, A.; **Luther, R.**; Ormö, J.; Owen, M.; Pravec, P.; Rivkin, A. S.; Robin, C. Q.; Sánchez, P.; Tusberti, F.; Wünnemann, K.; Zinzi, A.; Epifani, E. Mazzotta, Manzoni, C.; May, B. H. (2024). Physical properties of asteroid Dimorphos as derived from the DART impact. *Nature Astronamy*, 8 (4), 445-455. DOI: https://doi.org/10.1038/s41550-024-02200-3.

**Ramm, T.**; Gray, J. A.; Hipsley, C. A.; Hocknull, S.; Melville, J.; **Müller, J.** (2024). Are Modern Cryptic Species Detectable in the Fossil Record? A Case Study on Agamid Lizards. *Systematic Biology*. DOI: https://doi.org/10.1093/sysbio/syae067.

Ramos-Pastrana, Y.; Córdoba-Suarez, E.; **Riccardi, P. R.** (2024). Three new species of Apotropina Hendel, 1907 (Diptera: Chloropidae) of the Colombian Andean-Amazon cloud forest. *Zootaxa*, 5512 (3), 435-444. DOI: <https://doi.org/10.11646/zootaxa.5512.3.7>.

**Riccardi, P. R.** (2024). Two new species of grass flies (Diptera, Chloropidae) from Sweden. *Journal of Insect Biodiversity and Systematics*, 48 (1), 29-33. DOI: https://doi.org/10.12976/jib/2024.48.1.4.

**Riccardi, P. R.**; Ang, Y. (2024). New species and new records of Chloropinae from Singapore (Diptera: Chloropidae). *Zootaxa*, 5458 (1), 83-92. DOI: https://doi.org/10.11646/zootaxa.5458.1.4.

**Riccardi, P. R.**; **Hartop, E.** (2024). Large‐scale integrative taxonomy of Swedish grass flies (Diptera, Chloropidae) reveals hitherto unknown complexity of a dark taxon. *Zoologica Scripta*, 53 (5), 614-631. DOI: https://doi.org/10.1111/zsc.12663.

**Riccardi, P. R.**; De Souza Amorim, D.; Araújo, R. D. S.; Martins, G. F. (2024). Comparative morphology and function of Chloropidae (Diptera) tibial organ. *Zoomorphology*, 143, 99-106. DOI: https://doi.org/10.1007/s00435-023-00630-7.

**Riccardi, P. R.**; Silva, K. P.; Santos, J. R. D.; De Mello-Patiu, C. A. (2024). Phylogeny and classification of Lepidodexia Brauer & Bergenstamm (Diptera: Sarcophagidae). *Zoologischer Anzeiger*, 311, 101-109. DOI: https://doi.org/10.1016/j.jcz.2024.06.006.

Rodrigues, M. V.; De Carvalho-E-Silva, S. P.; **Rödel, M.**; De Mello Bezerra, A. (2024). Exploring the relationship between environment and brain morphology in anurans: a comparative phylogenetic approach. *Zoological Journal of the Linnean Society*. DOI: https://doi.org/10.1093/zoolinnean/zlae025.

Rössner, G. E.; **Hampe, O.** (2024). Terrestrial artiodactyl remains from the whale horizon at Groß Pampau (ancient North Sea basin, North Germany; Serravallian-Tortonian boundary, Middle-Late Miocene). *Fossil Imprint*, 80 (2), 424-434. DOI: https://doi.org/10.37520/fi.2024.030.

Roycroft, E.; Ford, F.; **Ramm, T.**; Schembri, R.; Breed, W. G.; Burns, P. A.; Rowe, K. C.; Moritz, C. (2024). Speciation across biomes: Rapid diversification with reproductive isolation in the Australian delicate mice. *Molecular Ecology*, 33 (7), e17301. DOI: https://doi.org/10.1111/mec.17301.

Roza, A. S.; **Hansen, A. K.**; Ferreira, V. S. (2024). Redescription of Adendrocera Wittmer, 1976 (Coleoptera: Phengodidae: Penicillophorinae) with Description of a Second Species of the Genus from Guatemala. *The Coleopterists Bulletin*, 78 (2), 155-164. DOI: https://doi.org/10.1649/0010-065x-78.2.155.

Sanchez, S.; De Ricqlès, A.; **Ponstein, J.**; Tafforeau, P.; Zylberberg, L. (2024). Microstructure and development of the dermal ossicles of Antarctopelta oliveroi (Dinosauria, Ankylosauria): A complex morphogenetic system deciphered through three‐dimensional X‐ray microtomography. *Journal of Anatomy*. DOI: https://doi.org/10.1111/joa.14159.

**Santos, B. F.;** Brady, S. G. (2024). Leveraging museum specimens, genomics and legacy datasets to unravel the phylogeny and biogeography of cryptin wasps (Hymenoptera, Ichneumonidae, Cryptini). *Zoologica Scripta*, 53 (3), 338-357. DOI: <https://doi.org/10.1111/zsc.12639>.

**Santos, B. F.;** Colombo, W. D.; Murray, E. A.; Brady, S. G.; Azevedo, C. O. (2024). Insights from the first phylogenomic analysis of flat wasps (Hymenoptera, Bethylidae) reveal two new subfamilies. *Cladistics*, 40 (5), 510-525. DOI: <https://doi.org/10.1111/cla.12594>.

Santos, J. C. D. C. V.; Iuri, H. A.; **Hoch, H.**; **Ferreira, R. L.** (2024). The enigmatic Notolathrus sensitivus Remes Lenicov, 1992 (Hemiptera: Fulgoromorpha: Cixiidae): supplementary description and conservation status. *Zootaxa*, 5474 (4), 355-374. DOI: https://doi.org/10.11646/zootaxa.5474.4.2.

**Schabacker, T.**; Rizzi, S.; Teige, T.; Hoffmeister, U.; Voigt, C. C.; Snijders, L. (2024). Behavioral correlates of migration in bats – do migration strategies predict responses to a novel environment? *Behavioral Ecology and Sociobiology*, 78 (68), 1-11. DOI: https://doi.org/10.1007/s00265-024-03483-2.

Schaeffer, J.; Wolff, E.; **Witzmann, F.**; Ferreira, G. S.; Schoch, R. R.; Mujal, E. (2024). Paleobiological implications of chevron. *Plos One*, 19 (7), e0306819-e0306819. DOI: <https://doi.org/10.1371/journal.pone.0306819>.

**Schäfer, M.**; Sydow, D.; **Schauer, M.**; Doumbia, J.; Schmitt, T.; **Rödel, M.** (2024). Species- and sex-specific chemical composition from an internal gland-like tissue of an African frog family. *Proceedings of the Royal Society B*, 291 (2014), 20231693. DOI: <https://doi.org/10.1098/rspb.2023.1693>.

Schätti, B.; **Tillack, F.**; Stutz, A.; **Kucharzewski, C.** (2024). Three new cliff racer species from the Sultanate of Oman (Reptilia: Squamata: Colubrinae) and zoogeographic traits of its herpetofauna. *Revue suisse de Zoologie*, 131 (2), 451-486. DOI: https://doi.org/10.35929/rsz.0132.

Schiffer, P. H.; Natsidis, P.; Leite, D. J.; Robertson, H. E.; Lapraz, F.; Marlétaz, F.; Fromm, B.; Baudry, L.; Simpson, F.; Høye, E.; **Zakrzewski, A. C.**; Kapli, P.; Hoff, K. J.; Müller, S.; Marbouty, M.; Marlow, H.; Copley, R. R.; Koszul, R.; Sarkies, P.; Telford, M. J. (2024). Insights into early animal evolution form the genome of the xenacoelomorph worm Xenoturbella bocki. *eLife*, 13, e94948. DOI: <https://doi.org/10.7554/elife.94948>.

**Schlüter, N.** (2024). One step out of line—A “modern” Micraster species (Echinoidea, Spatangoida) with some old-fashioned look, Micraster ernsti sp. nov. from the Campanian (Cretaceous). *Zootaxa*, 5403 (1), 80-90. DOI: https://doi.org/10.11646/zootaxa.5403.1.5.

Schmack, J. M.; Egerer, M.; **Karlebowski, S.**; Neumann, A. E.; **Sturm, U.** (2024). Overlooked and misunderstood: how urban community gardeners perceive social wasps and their ecosystem functions. *Journal of Insect Conservation*, 28 (2), 283-289. DOI: https://doi.org/10.1007/s10841-024-00548-5.

**Schmidtke, L.**; Van Emmerik, T. H. M.; Pinto, R. B.; Schreyers, L. J.; Schmidt, C.; Wendt-Potthoff, K.; **Kirschke, S.** (2024). Sustainable Implementation of Citizen-Based Plastic Monitoring of Fresh Waters in Western Africa. *Sustainability*, 16(22), 10007-10007. DOI: https://doi.org/10.3390/su162210007.

**Schneider, T.**; Vierstraete, A.; Kosterin, O. E.; Ikemeyer, D.; Hu, F.; Novelo-Gutiérrez, R.; Kompier, T.; Everett, L.; Müller, O.; Dumont, H. J. (2024). Molecular Phylogeny of the Family Cordulegastridae (Odonata) Worldwide. *Insects*, 15 (8), 622-622. DOI: https://doi.org/10.3390/insects15080622.

Schoch, R.R.; **Witzmann, F.** (2024). The evolution of larvae in temnospondyls. *Biological Reviews*, 99, (5), 1613-1637. DOI: https://doi.org/10.1111/brv.13084.

Scholze, F.; **Marchetti, L.** (2024). Lower Permian Conchostracans (Clam Shrimps) from Sedimentary Units of the Athesian Volcanic Group (Southern Alps, N-Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, 130 (3), 507-523. DOI: https://doi.org/10.54103/2039-4942/21044.

Schott, J.; Rakei, J.; Remus-Emsermann, M.; Johnston, P.; **Mbedi, S.**; Sparmann, S.; Hilker, M.; Voirol, L. R. P. (2024). Microbial associates of the elm leaf beetle: uncovering the absence of resident bacteria and the influence of fungi on insect performance. *Applied and Environmental Microbiology*, 90 (1). DOI: https://doi.org/10.1128/aem.01057-23.

Schweiger, S.; **Rödel, M.**; Hammel, J. U.; Müller, H. (2024). Don’t go with the flow: cranial adaptations of stream tadpoles in the Afrobatrachian family Arthroleptidae. *Zoological Journal of the Linnean Society*, 202 (2). DOI: https://doi.org/10.1093/zoolinnean/zlae114.

Segherloo, I. H.; Abdolahi-Mousavi, S. E.; Birgani, A. A.; Normandeau, E.; Hallerman, E.; Bernatchez, L.; **Freyhof, J.** (2024). Distribution and conservation of subterranean fishes of Iran: insights from a new locality. *Environmental Biology of Fishes*, 108, 161-170. DOI: https://doi.org/10.1007/s10641-024-01629-9.

Segniagbeto, G. H.; Ohler, A.; **Rödel, M.**; Luiselli, L.; Dubois, A. (2024). Amphibians of Togo: taxonomy, distribution and conservation status. *Zoosystema*, 46 (25). DOI: https://doi.org/10.5252/zoosystema2024v46a25.

Selden, P. A. ; **Dunlop, J. A.** (2024). A remarkable spiny arachnid from the Pennsylvanian Mazon Creek Lagerstätte, Illinois. *Journal of Paleontology*, 98 (3), 395-401. DOI: https://doi.org/10.1017/jpa.2024.13.

**Setyastuti, A.**; Solis-Marin, F. A.; **Lüter, C.** (2024). Sea cucumbers of the genus Labidodemas (Holothuroidea: Holothuriida: Holothuriidae) from Indonesia, with the description of a new species and a revised key to the genus. *Zootaxa*, 5506 (2), 227-244. DOI: https://doi.org/10.11646/zootaxa.5506.2.4.

Sherwood, D.; **Dunlop, J.A.**; Sharp, A. (2024). On the identity of Opopaea euphorbicola Strand, 1909 and first records of three other non-native goblin spiders from Ascension Island (Araneae: Oonopidae). *Zootaxa*, 5437 (1), 125-130. DOI: https://doi.org/10.11646/zootaxa.5437.1.9.

Siciliano‐Martina, L.; McGuire, J. L.; Hurtado‐Materon, M. A.; Short, R. A.; Lauer, D. A.; Schap, J. A.; **Müller, J.**; Manthi, F. K.; Head, J. J.; Lawing, A. M. (2024). Ecometrics demonstrates that the functional dental traits of carnivoran communities are filtered by climate. *Ecology and Evolution*, 14 (10). DOI: https://doi.org/10.1002/ece3.70214.

Šlechtová, V.; Dvořák, T.; **Freyhof, J.**; Kottelat, M.; Levin, B.; Golubtsov, A.; Šlechta, V.; Bohlen, J. (2024). Reconstructing the phylogeny and evolutionary history of freshwater fishes (Nemacheilidae) across Eurasia since early Eocene. *bioRxiv*. DOI: <https://doi.org/10.1101/2024.07.05.602185>.

Sokołowska, A.; Thomas, N.; **Wünnemann, K.** (2024). Effects of surface and subsurface water/ice on spatial distributions of impact crater ejecta on Mars. *Icarus*, 420, 116150. DOI: https://doi.org/10.1016/j.icarus.2024.116150.

Song, Z.; O’Brien, L. B.; Malenovský, I.; **Deckert, J.**; Bartlett, C. R. (2024). Revision of the Neotropical genus Trigava O’Brien, 1999 (Hemiptera, Fulgoromorpha, Dictyopharidae, Nersiini), with descriptions of two new species from Peru and Brazil. *ZooKeys*, 1188, 27-45. DOI: https://doi.org/10.3897/zookeys.1188.89881.

Stelbrink, B.; **Von Rintelen, T.;** Marwoto, R. M.; Salzburger, W. (2024). Mitogenomes do not substantially improve phylogenetic resolution in a young non-model adaptive radiation of freshwater gastropods. *BMC Ecology and Evolution*, 24, (1). DOI: https://doi.org/10.1186/s12862-024-02235-0.

Stell, M.; Melnik, K.; Schlawis, C.; Fuchs, R.; Vences, M.; **Schäfer, M.**; **Rödel, M.**; Schulz, S. (2024). Batrachopolyenes: Volatile Norsteroids from Femoral Scent Glands of Frogs. *Angewandte Chemie*, e202417098. DOI: https://doi.org/10.1002/ange.202417098.

**Strauß, A.** (2024). Objects of Politics: The Appropriation of Earth Science Collections in Prussia during the Long Nineteenth Century. *Museum & Society*, 22. DOI: https://doi.org/10.29311/mas.v22i2-3.4595.

Suárez, D.; Arribas, P.; **Srivathsan, A.**; **Meier, R.**; Emerson, B. C. (2024). Environmental heterogeneity, rather than stability, explains spider assemblage differences between ecosystems. *Ecography*. DOI: https://doi.org/10.1111/ecog.07454.

**Sumner-Rooney, L.** (2024). Critical junctions in evolution. *Science*, 383 (6686), 951-952. DOI: https://doi.org/10.1126/science.ado1700.

Szczygielski, T.; **Marchetti, L.**; Dróżdż, D. (2024). Natural external plastron mold of the Triassic turtle Proterochersis: An unusual mode of preservation. *PLoS ONE*, 19 (3), e0299314. DOI: https://doi.org/10.1371/journal.pone.0299314.

Tabatabaei, S. N.; **Segherloo, I. H.**; Abdoli, A.; Afzali, S. F.; Normandeau, E.; Laporte, M.; Hallerman, E. M.; Bernatchez, L. (2024). eDNA metabarcoding as a means to track distributions of different fish species in a protected area. *Environmental DNA*, 6 (1). DOI: https://doi.org/10.1002/edn3.505.

Tada, T.; Kurosawa, K.; Tomioka, N.; Nagaya, T.; Isa, J.; **Hamann, C.**; Ono, H.; Niihara, T.; Okamoto, T.; Matsui, T. (2024). Detailed occurrence of feather features in quartz in experimentally shocked granite. *Jouurnal of Geophysical Research: Planets*, 129 (11), e2024JE008409. DOI: https://doi.org/10.1029/2024je008409.

Tan, W. C.; Vitalis, V.; Sikuim, J.; Rödder, D.; **Rödel, M.**; Asad, S. (2024). High freshwater turtle occupancy of streams within a sustainably managed tropical forest in Borneo. *The Journal of Wildlife Management*, 88 (7), e22633. DOI: https://doi.org/10.1002/jwmg.2263.

Timm, L.; Rosskopf, S. P.; Werb, O.; Van Schaik, J.; **Schaer, J.** (2024). Europe-wide distribution and bat-host specific lineages in the malarial parasite Polychromophilus murinus revealed through genetic screening of bat flies. *Infection Genetics and Evolution*, 127, 105707. DOI: https://doi.org/10.1016/j.meegid.2024.105707.

**Turni, H.** (2024). Type specimens of Primates (Mammalia) in the collections of the Museum für Naturkunde Berlin. *Zootaxa*, 5543 (2), 151-194. DOI: https://doi.org/10.11646/zootaxa.5543.2.1.

Van Duong, T.; Van Vu, L.; Vu, H. T. T.; **Mulcahy, D.**; Bragin, A. M.; Poyarkov, N. A., Jr; Grismer, L. L. (2024). Another new species of Cyrtodactylus Gray, 1927 (Squamata: Gekkonidae) of the angularis group from the karstic landscape of Phong Nha-Ke Bang National Park, central Vietnam. *Zootaxa*, 5471 (5), 555-571. DOI: https://doi.org/10.11646/zootaxa.5471.5.3.

Van Tussenbroek, I. A.; **Knörnschild, M.; Nagy, M.**; Cate, C. J. T.; Vernes, S. C. (2024). Morphological Diversity in the Brains of 12 Neotropical Bat Species. *Acta Chiropterologica*, 25 (2), 323-338. DOI: https://doi.org/10.3161/15081109acc2023.25.2.011.

Vasilita, C.; **Feng, V.**; **Hansen, A. K.**; **Hartop, E.**; **Srivathsan, A.**; **Struijk, R.**; **Meier, R.** (2024). Express barcoding with NextGenPCR and MinION for species‐level sorting of ecological samples. *Molecular Ecology Resources*. DOI: https://doi.org/10.1111/1755-0998.13922.

Veith, J.; Chaigne, T.; Svanidze, A.; **Dressler, L. E.**; Hoffmann, M.; Gerhardt, B.; Judkewitz, B. (2024). The mechanism for directional hearing in fish. *Nature*, 631 (8019), 118-124. DOI: https://doi.org/10.1038/s41586-024-07507-9.

**Von Mering, S.**; Cubey, R.; Endresen, D.; Hendriksen, A.; Leachman, S.; Mietchen, D.; Santos, J. (2024). Advancing Community Curation of Research Expeditions: A Collaborative Journey with Wikidata and Biodiversity Information Standards. *Biodiversity Information Science and Standards*, 8. DOI: https://doi.org/10.3897/biss.8.138921.

**Von Rintelen, K.**; Rumpf, C. M. A.; Wowor, D.; **Wessel, A.**; **Von Rintelen, T.** (2024). A phylogeographic approach to Sulawesi’s Maros karst shrimp fauna (Decapoda, Atyidae) reveals several cave invasions and challenges current taxonomic hypotheses. *Crustaceana*, 97 (5-9), 479-505. DOI: https://doi.org/10.1163/15685403-bja10383.

Wait, D. R.; **Peñalba, J. V.** (2024). Suture zones, speciation, and evolution. *Evolution*, 2024, qpae184. DOI: https://doi.org/10.1093/evolut/qpae184.

Werb, O.; Matuschewski, K.; Weber, N.; Hillers, A.; Garteh, J.; Jusu, A.; Turay, B. S.; Wauquier, N.; Escalante, A. A.; Pacheco, M. A.; **Schaer, J.** (2024). New member of Plasmodium (Vinckeia) and Plasmodium cyclopsi discovered in bats in Sierra Leone – nuclear sequence and complete mitochondrial genome analyses. *International Journal for Parasitology*, 54 (10), 475-484. DOI: https://doi.org/10.1016/j.ijpara.2024.05.002.

Werneburg, R.; **Witzmann, F.** (2024). The last eryopids: Clamorosaurus and Syndyodosuchus from the late Kungurian (Cisuralian, Permian) of Russia revisited. *Fossil Record*, 27 (3), 353-380. DOI: https://doi.org/10.3897/fr.27.e125460.

**Witzmann, F.**; Schoch, R. R. (2024). Osteology and phylogenetic position of Plagiosaurus depressus (Temnospondyli: Plagiosauridae) from the Late Triassic of Germany and the repeated loss of dermal bones in plagiosaurids. *Zoological Journal of the Linnean Society*, 202 (3), zlae014. DOI: https://doi.org/10.1093/zoolinnean/zlae014.

**Witzmann, F.**; Ruta, M.; **Fröbisch, N.**; **Paß, S.**; **Herrmann, E.** (2024). Editorial: 25 years of ‘Fossil Record, an International Journal of Palaeontology’. *Fossil Record*, 27, (3), 291-293. DOI: https://doi.org/10.3897/fr.27.e143987.

Wührl, L.; Keller, L.; Klug, N.; Shirali, H.; **Meier, R.**; Pylatiuk, C. (2024). Automated handling of biological objects with a flexible gripper for biodiversity research. *at-Automatisierungstechnik*, 72 (7), 672-678. DOI: https://doi.org/10.1515/auto-2023-0238.

Wührl, L.; Rettenberger, L.; **Meier, R.**; **Hartop, E.**; **Graf, J.**; Pylatiuk, C. (2024). Entomoscope: An Open-Source Photomicroscope for Biodiversity Discovery. *IEEE Access*, 12, 11785-11794. DOI: <https://doi.org/10.1109/access.2024.3355272>.

Wutke, S.; Blank, S. M.; Boevé, J.; Faircloth, B. C.; **Koch, F.**; Linnen, C. R.; Malm, T.; Niu, G.; Prous, M.; Schiff, N. M.; Schmidt, S.; Taeger, A.; Vilhelmsen, L.; Wahlberg, N.; Wei, M.; Nyman, T. (2024). Phylogenomics and biogeography of sawflies and woodwasps (Hymenoptera, Symphyta). *Molecular Phylogenetics and Evolution*, 199, 108144-108144. DOI: https://doi.org/10.1016/j.ympev.2024.108144.

Xiang, H. Q.; He, Y. M.; **Zhang, L. J.**; Gao, H.; Guo, L.; Lu, Y. Z.; Fan, S. Y.; Chen, H. (2024). A revision of Rhombuniopsis Haas, 1920 (Unionida, Unionidae) endemic to the ancient lakes of Yunnan, China, with descriptions of two new species. *Zootaxa*, 5481 (2), 273-289. DOI: <https://doi.org/10.11646/zootaxa.5481.2.6>.

Xiong, Y.; **Rozzi, R.**; Zhang, Y.; Fan, L.; Zhao, J.; Li, D.; Yao, Y.; Xiao, H.; Liu, J.; Zeng, X.; Xu, H.; Jiang, Y.; Lei, F. (2024). Convergent evolution toward a slow pace of life predisposes insular endotherms to anthropogenic extinctions. *Science Advances*, 10 (28). DOI: https://doi.org/10.1126/sciadv.adm8240.

Zhang, K.; Shields, G. A.; Zhou, Y.; Strauss, H.; **Struck, U.**; Jensen, S. (2024). The basal Cambrian carbon isotope excursion revealed in the Central Iberian Zone, Spain. *Precambrian Research*, 411, 107526. DOI: https://doi.org/10.1016/j.precamres.2024.107526.

**Zhang, L.**; **Bernardes, S. C.**; Meng, K.; **Von Rintelen, T.** (2024). A new family of freshwater snails with Cretaceous origin from Yunnan, China. *Zoological Journal of the Linnean Society*, 202 (1). DOI: https://doi.org/10.1093/zoolinnean/zlae117.

**Zhang, L.**; Shi, Z.; Chen, Z.; **Von Rintelen, T.**; Zhang, W.; Lou, Z. (2024). Rediscovery and systematics of the enigmatic genus Helicostoareveals a new species of sessile freshwater snail with remarkable sexual dimorphism. *Proceedings of the Royal Society B*, 291 (2014). DOI: https://doi.org/10.1098/rspb.2023.1557.

**Blom, M. P.**; Peona, V.; Prost, S.; Christidis, L.; Benz, B. W.; Jønsson, K. A.; Suh, A.; Irestedt, M. (2024). Hybridiszation in Birds-of-Paradise: Widespread ancestral gene flow despite strong sexual selection in a lek-mating system. *iScience*, 27 (7), 110300. DOI: https://doi.org/10.1016/j.isci.2024.110300.

**Bofill, S. I. H.**; **Blom, M. P. K.** (2024). Climate change from an ectotherm perspective: evolutionary consequences and demographic change in amphibian and reptilian populations. *Biodiversity and Conservation*, 33 (3), 905-927. DOI: https://doi.org/10.1007/s10531-023-02772-y.

Bohn, F. J.; Bastos, A.; Martin, R.; Rammig, A.; Koh, N. S.; Sioen, G. B.; Buscher, B.; Carver, L.; DeClerck, F.; Drupp, M.; Fletcher, R.; Forrest, M.; Gasparatos, A.; Godoy-Faúndez, A.; **Hagedorn, G.**; Hänsel, M.; Hetzer, J.; Hickler, T.; Krug, C. B.; (. . . ), Yoshida, Y. (2024). Reviews and syntheses: Current perspectives on biosphere research–2024. *EGUsphere*, 2551. DOI: https://doi.org/10.5194/egusphere-2024-2551.

Brydegaard, M.; **Pedales, R. D.**; Feng, V.; Yamoa, A. S.; Kouakou, B.; Månefjord, H.; Wührl, L.; Pylatiuk, C.; De Souza Amorim, D.; Meier,. (2024). Towards global insect biomonitoring with frugal methods. *Philosophical Transactions of the Royal Society B*, 379 (1904), 20230103. DOI: https://doi.org/10.1098/rstb.2023.0103.

Burckhardt, D.; Drohojowska, J.; **Serbina, L. Š.**; Malenovský, I. (2024). First record of jumping plant lice of the family Liviidae (Hemiptera, Sternorrhyncha, Psylloidea) from Dominican amber. *Neues Jahrbuch für Geologie und Paläontologie-Abhandlungen*, 311 (2), 215-227. DOI: https://doi.org/10.1127/njgpa/2024/1195.

Burckhardt, D.; **Serbina, L. Š.**; Malenovský, I. (2024). Lilaoshia, replacement name for Liella Burckhardt, Serbina and Malenovský, 2023 (Insecta, Hemiptera, Liviidae) nec Cui and Huo, in Huo and Shu, 1985 (Crustacea, Bradoriida, Alutidae). *Zootaxa*, 5497 (2), 299-300. DOI: <https://doi.org/10.11646/zootaxa.5497.2.10>.

**Bölling, C.**; **Belot, M.**; **Schuster, F.**; Gebauer, A.; Kissling-Brenner, U.; Reinke, T. (2024). Vom Sammlungsobjekt zum Datenobjekt für den Umweltschutz. *Museumskunde*, 89 (1&2), 38-43.

**Díaz, V. D.** (2024). Ankylosaurus magniventris. *Nature Ecology & Evolution*, 8 (5), 1048-1048. DOI: https://doi.org/10.1038/s41559-024-02395-8.

**Faysal, B.** (2024). A Rhino from Lake Baikal. *Peer Community in Paleontology*, 100182. DOI: https://doi.org/10.24072/pci.paleo.100182.

Ferschinger, L.; **Heinrich, G.**; Höfer, R.; **Lorenz, J.**; Mühlenbein, F.; Soßdorf, A. (2024). Gemeinsam. Lokal. Forschen. Einblicke, Tipps und Praxisbeispiele aus dem Wettbewerb: Auf die Plätze! Citizen Science in deiner Stadt. *Zenodo*. DOI: <https://doi.org/10.5281/zenodo.13645350>.

**Frisch, J.** (2024). Die Käferfauna des NSG Haimberg bei Mittelrode und angrenzender Flächen (Insecta: coleoptera) Addenda et corrigenda 4. Erweiterung des Untersuchungsgebiets, Neu- und Wiederfunde für die Hessenfauna und aktuelle Gesamtartenliste. *Beiträge zur Naturkunde in Osthessen 61:33-110*, 61. https://www.imhof-verlag.de/produkt/beitraege-zur-naturkunde-in-osthessen-band-61/.

**Frisch, J.** (2024). Onthophagus semicornis (PANZER, 1798) (coleoptera, Scarabaeidae) erstmals in Osthessen. *Beiträge zur Naturkunde in Osthessen*, 61, 114-117. https://www.imhof-verlag.de/produkt/beitraege-zur-naturkunde-in-osthessen-band-61/.

**Hampe, O.** (2024). Book review. Sea Mammals: The Past and Present Lives of Our Oceans’ Cornerstone Species By Annalisa Berta, Princeton University Press. 2023. *Marine Mammal Science*, 40 (1), 319-321. DOI: https://doi.org/10.1111/mms.13102.

æHuang, S.-Y.; Inayoshi, Y.; **Léger, T.**; Espelande, M. (2024). The riodinid taxa described by Rudolf Emil Mell (Lepidoptera, Papilionoidea, Riodinidae), with notes on related ones. *Zootaxa*, 5481 (5), 591-599. DOI: <https://doi.org/10.11646/zootaxa.5481.5.8>.

**Kaiser, K.**; **Madruga, C.** (2024). Tagging Objects from Colonial Contexts. A Decision Tree for Natural History Collections. *Working Paper Deutsches Zentrum Kulturgutverluste*, 2024 (7). DOI: https://doi.org/10.25360/01-2024-00005.

Kirchner, M.; Sorenson, C.; **Blaimer, B. B.**; Youngsteadt, E. (2024). Reaching new heights: Arboreal ant diversity in a North American temperate forest ecosystem. *Insect Conservation and Diversity*, 18 (1), 95-106. DOI: https://doi.org/10.1111/icad.12788.

**Lasseck, M.** (2024). Improving Bird Recognition using Pseudo-Labeled Recordings from the Target Location. *Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2024).*

**Léger, T.** (2024). Half of the Diversity Undescribed: Integrative Taxonomy Reveals 32 New Species and a High Cryptic Diversity in the Scopariinae and Crambinae of the Philippines (Lepidoptera: Crambidae). *Bulletin of the Society of Systematic Biologists*, 3 (2). DOI: https://doi.org/10.18061/bssb.v3i2.9527.

**MacDougall, M. J.**; **Jannel, A.**; **Fröbisch, N. B.**; **Fröbisch, J.** (2024). Author Correction: A new recumbirostran ‘microsaur’ from the lower Permian Bromacker locality, Thuringia, Germany, and its fossorial adaptations. *Scientific Reports*, 14 (1). DOI: https://doi.org/10.1038/s41598-024-59039-x.

**Mey, W.**; Hoffeins, C. (2024). In memory of Wilfried Wichard (1944–2024). *Palaeoentomology*, 7 (3), 325-337. DOI: https://doi.org/10.11646/palaeoentomology.7.3.1.

**Miklashevsky, A.**; Reifegerste, J.; García, A. M.; Pulvermüller, F.; Balota, D. A.; Veríssimo, J.; Ullman, M. T. (2024). Embodied cognition comes of age: A processing advantage for action words is modulated by aging and the task. *Journal of Experimental Psychology: General*, 153 (7), 1725-1764. DOI: https://doi.org/10.1037/xge0001555.

æ**Müller, I. A.**; **Thörn, F.**; **Blom, M. P. K.** (2024). Species-specific dynamics may cause deviations from general biogeographical predictions – evidence from a population genomics study of a New Guinean endemic passerine bird family (Melampittidae). *Plos ONE*, 19 (5), e0293715-e0293715. DOI: https://doi.org/10.1371/journal.pone.0293715.

Nadim, T.; Vennen, M.; **Heumann, I.**; Bertoni, F. (2024). Logistical Natures: Trade, Traffics, and Transformations in Natural History Collecting. *Historical Studies in the Natural Sciences*, 54 (2), 125-134. DOI: https://doi.org/10.1525/hsns.2024.54.2.125.

Piórkowska, K.; Jankowiak, Ł.; Modelska, Z.; **Hoffmann, A.**; Kuzdrowska, K.; Malinowska, B.; Sęk, O.; Rychlik, L. (2024). How Quickly Do Invasive Raccoons Learn to Steal Bait? Lesson from Disturbed Small Mammal Trapping. *Polish Journal of Ecology*, 71 (2-3), 95-99. DOI: https://doi.org/10.3161/15052249pje2023.71.2.005.

Pramatarova, M.; Burckhardt, D.; Malenovský, I.; Gjonov, I.; Schuler, H.; **Serbina, L. Š.** (2024). Unravelling the Molecular Identity of Bulgarian Jumping Plant Lice of the Family Aphalaridae (Hemiptera: Psylloidea). *Insects*, 15 (9), 683-683. DOI: <https://doi.org/10.3390/insects15090683>.

**Rödel, M.**; **Bock, S.**; **Ernst, M.**; Griesbaum, F.; Lindner, T.; Tartara, A.; Penner, J.; Neira-Salamea, K. (2024). Reproduction, development and morphological plasticity in the direct-developing frog Pristimantis rosadoi. *Salamandra – German Journal of Herpetology*, 60 (1), 42-50.

Souza, J. P. A.; Jorge, I. R.; Santos, A. T. D.; Figueiredo, L.; **Rosa, B. B.**; Paladini, A.; Zarbin, P. H. G. (2024). A Comprehensive Survey of Stink Bug Pheromones ‐ Extraction, Identification, Synthesis, Biosynthesis, and Phylogenetic Insights. *The Chemical Record*. DOI: https://doi.org/10.1002/tcr.202400140.

Thörn, F.; Soares, A. E. R.; Müller, I. A.; Päckert, M.; **Frahnert, S.**; Van Grouw, H.; Kamminga, P.; Peona, V.; Suh, A.; Blom, M. P. K.; Irestedt, M. (2024). Contemporary intergeneric hybridization and backcrossing among birds-of-paradise. *Evolution Letters*, 8 (5), 680-694. DOI: https://doi.org/10.1093/evlett/qrae023.

**Uhlig, M.** (2024). New species of Erichsonius Fauvel, 1874 from Afrotropical Continental Africa 1 (Coleoptera: Staphylinidae, Staphylininae). *Entomologische Blätter und Coleoptera*, 119, 243-255.

**Uhlig, M.**; Uhlig, B. (2024). New rove beetle species of the genus Erichsonius (Coleoptera, Staphylinidae, Staphylininae) of Ethiopia, Sri Lanka and India (Assam).. *Entomologische Nachrichten und Berichte, Supplement*, 68 (2), 335-353.

**Uhlig, M.**; Uhlig, B. (2024). New species of Erichsonius Fauvel, 1874 from Afrotropical Continental Africa 2 (Coleoptera: Staphylinidae, Staphylininae).. *Entomologische Blätter und Coleoptera*, 119, 256-275.

**Uhlig, M.**; Uhlig, B. (2024). New species of Erichsonius Fauvel, 1874 of Madagascar 1 (Coleoptera: Staphylinidae, Staphylininae).. *Entomologische Blätter und Coleoptera*, 119, 213-242.

**Uhlig, M.**; Herger, P.; Schülke,, M.; Vogel, J. (2024). Staphyliniden (Coleoptera:) aus Lichtfallenfängen von 16 Standorten im Tessin. *Entomo Helvetica*, 17.

**Vasilyeva, Z.** (2024). A Review of Francisco Martínez, Ethnographic Experiments with Artists, Designers and Boundary Objects: Exhibitions as a Research Method. London: UCL Press, 2021, 202 pp. *Antropologicheskij Forum*, 63, 238-248. DOI: https://doi.org/10.31250/1815-8870-2024-20-63-238-248.

**Vogel, J.** (2024). Editorial: Welcoming address of the Director General. *Fossil Record*, 27 (3), 289. DOI: https://doi.org/10.3897/fr.27.e142092.

Von Ahn, C. M. E.; Dellwig, O.; Szymczycha, B.; Kotwicki, L.; Rooze, J.; Endler, R.; Escher, P.; Schmiedinger, I.; Sültenfuß, J.; Diak, M.; Gehre, M.; **Struck, U.**; Vogler, S.; Böttcher, M. E. (2024). Submarine groundwater discharge into a semi-enclosed coastal bay of the southern Baltic Sea: A multi-method approach. *Oceanologia*, 66, (1), 111-138. DOI: https://doi.org/10.1016/j.oceano.2024.01.001.

**Von Mering, S.**; **Stolze, E.**; **Kaiser, K.**; **Petersen, M.** (2024). Sharing data, caring for collections. Open data on collection agents affiliated with the Museum für Naturkunde Berlin. *Research Ideas and Outcomes*, 10, e118851. DOI: https://doi.org/10.3897/rio.10.e118851.

**Jouladeh-Roudbar, A.;** Kaya, C.; Vatandoust, S.; Ghanavi, H. R. (2024). Author Correction: New insights into the phylogeny of Carasobarbus Karaman, 1971 (Actinopterygii, Cyprinidae) with the description of three new species. *Scientific Reports*, 14 (1), 24458 (2024). DOI: <https://doi.org/10.1038/s41598-024-75851-x>.

**Hoch, H.** (2024). Heimische Insekten ganz nah. Wiebelsheim: Quelle & Meyer Verlag.

Strauß, A.; **Schmitt, R. T.** (Ed.). (2024) *Vom Steinbruch ins Atelier - Die Mineralogische Sammlung im Museum für Naturkunde Berlin*. Laborberichte. Band 12, Ilmtal-Weinstraße:VDG

Stribrny, B.; **Korn, D.;** Königshof, P.; Erbacher; J.; Blumenberg, M. (Ed.). (2024). *Die Kupfererzlagerstätte Marsberg.* Geologisches Jahrbuch Reihe A. Band A 166, Stuttgart : Schweizerbart'sche Verlagsbuchhandlung

Vennen, M.; Stoecker, H.; **Heumann, I.** (Ed.). (2024). *Deconstructing Dinosaurs. The History of the German Tendaguru Exhibition and Its Finds, 1906-2023.* Brill. DOI: <https://doi.org/10.1163/9789004691063>.

De Carvalho, C. J. B.; Rafael, J. A.; Couri, M. S.; **Riccardi, P. R.**; Silva, V. C.; De Oliveira, S. S.; Lamas, C. J. E. (2024). Capítulo 36: Diptera Linnaeus, 1758. In: Editora INPA (Ed.), *Insetos do Brasil: Diversidade e Taxonomia - 2a Edição, revisada e ampliada*, 783-831 . Manaus:Editora INPA. DOI: https://doi.org/10.61818/56330464c36.

**Depraetere, M.**; **Akhlaq, S.**; **Díaz, V.D.**; **Heumann, I.**; **Schwarz, D.** (2024). Virtual Access to Fossil & Archival Material from the German Tendaguru Expedition (1909–1913): More Than 100 years of Data-Meta-paradata Management for Improved Standardisation. In: Ioannides, M., Baker, D., Agapiou, A., Siegkas, P. (Ed.), *3D Research Challenges in Cultural Heritage V*, 89-102 Lecture Notes in Computer Science, vol 15190. 5, Cham: Springer Nature. DOI: https://doi.org/10.1007/978-3-031-78590-0\_8.

Egerer, M.; **Sturm, U.** (2024). Gemeinschaftsgärten als Orte der Biodiversität in der Stadt. In: Andrea Baier, Christa Müller and Karin Werner (Ed.), *Unterwegs in die Stadt der Zukunft. Urbane Gärten als Orte der Transformation*, 267-276 . Bielefeld:transcript Verlag. DOI: https://doi.org/10.1515/9783839471630-016.

Feld, C. K.; Nguyen, H. H.; Haase,P.; Hering, D.; Schmedtje, U.; Pahl-Wostl, C.; von Fumetti, S.; **Freyhof, J**.; Hahn, H.J.; Haubrock, P. J.; Jähnig, S.; Januschke, K.; Klauer, B.; Reese, M.; **Sommerwerk, N.**; Straile, D.; Tanneberger, F. (2024). 5 Binnengewässer und Auen. In: Christian Wirth, Helge Bruelheide, Nina Farwig, Jori Maylin Marx, Josef Settele (Ed.), *Faktencheck Artenvielfalt. Eine Bestandsaufnahme und Perspektiven für den Erhalt der biologischen Vielfalt in Deutschland*, 521-646 . Ergolding:oekom verlag eBooks. DOI: https://doi.org/10.14512/9783987263361.

**Ferner, K.**; Zeller, U. (2024). Eutherians: Placental Mammals. In: Michael K. Skinner (Ed.), *Encyclopedia of Reproduction*, 617-624 . Elsevier eBooks. DOI: https://doi.org/10.1016/b978-0-443-21477-6.00049-3.

Gess, N.; **Heyne, E.** (2024). Exotismus/Primitivismus. In: Lickhardt, M., Krause, R. (Ed.), *Handbuch Weimarer Republik. Literatur und Kultur*, 283-288 . J.B. Metzler, Stuttgart:Springer. DOI: https://doi.org/10.1007/978-3-476-05951-2\_32.

**Heumann, I.** (2024). Annäherungen an Gegenstände - Eine Einführung. In: Strauß, Angela; Schmitt, Ralf Thomas (Ed.), *Vom Steinbruch ins Atelier - Die Mineralogische Sammlung im Museum für Naturkunde Berlin*, 15-26 Laborberichte. 12, Ilmtal-Weinstraße:VDG.

**Heumann, I.** (2024). 7: Big in Japan: Brachiosaurus brancai in Tokyo. In: Vennen, M., Stoecker, H., Heumann, I. (Ed). In *Deconstructing Dinosaurs - The History of the German Tendaguru Expedition and its finds, 1906-2023*, 99-121 . Leiden:Brill. DOI: https://doi.org/10.1163/9789004691063\_008.

**Heumann, I.**; Stoecker, H.; Vennen, M. (2024). 1 Deconstructing Dinosaurs: The History of the German Tendaguru Expedition and Its Finds, 1906–2023. In: Vennen, M., Stoecker, H., Heumann, I. (Ed). In *Deconstructing Dinosaurs - The History of the German Tendaguru Expedition and its finds, 1906-2023*, S. 1–13. Leiden:Brill. <https://doi.org/10.1163/9789004691063_002>

**Heumann, I.**; Stoecker, H.; Vennen, M. (2024). 15: Dinosaurs and Provenance: The Colonial Legacy of the Tendaguru Fossils, 1909–2023. In: Vennen, M., Stoecker, H., Heumann, I. (Ed). In *Deconstructing Dinosaurs - The History of the German Tendaguru Expedition and its finds, 1906-2023*, 255-272 . Leiden:Brill. DOI: https://doi.org/10.1163/9789004691063\_016.

**Heumann, I.**; Vennen, M.; Stoecker, H.; Newman, P. (2024). 13: Looking Back, Looking Forward: A Conversation with Daniela Schwarz, Curator of the Tendaguru Dinosaur Collection. In: Vennen, M., Stoecker, H., Heumann, I. (Ed). In *Deconstructing Dinosaurs - The History of the German Tendaguru Expedition and its finds, 1906-2023*, 219-228 . Leiden:Brill. DOI: https://doi.org/10.1163/9789004691063\_014.

**Heyne, E.**; Wagner, A. (2024). Der Kletterpilz am Ende der Welt. Kindheiten in der Folgelandschaft. In: Philipp Baumgarten/Annekathrin Kohout (Ed.), *Ostflimmern. Wir Wende-Millenials*, 152-171 . Halle:Saale:Mitteldeutscher Verlag

**Janssen, A.**; Ripperger, S.; Meisel,F.; **Rödel, M.-O.** (2024). Chapter: 15 Methodentests zur Anbringung verschiedener Sender an Zauneidechsen. In: Klaus Henle, Peter Pogode, Richard Podloucky, Arno Geiger, Annegret Grimm-Seyfarth (Ed.), *Neue Methoden der Feldherpetologie*, 180-189 Mertensiella 32. Chimaira

**Kaiser, K.**; **Heumann, I.** (2024). Zugänge. Naturkundliche Sammlungen aus kolonialen Kontexten. In: Arbeitskreis Provenienzforschung e.V. (Ed.), *Zugänge: Naturkundliche Sammlungen aus kolonialen Kontexten.* Heidelberg: arthistoricum.net-ART-Books. DOI: https://doi.org/10.11588/arthistoricum.1315.c18774.

**Marchetti, L.**; Mujal, E.; Logghe, A.; Buchwitz, M.; Klein, H.; Lucas, S. G. (2024). Chapter 4: Permian vertebrate tracks. In: Lucas, S. G., Hunt, A. P., Klein, H. (Ed.), *Vertebrate Ichnology. Tetrapod Tracks and Trackways* . Elsevier. DOI: https://doi.org/10.1016/b978-0-443-13837-9.00007-x.

**Mey, W.** (2024). On a small collection of caddisflies from the Himalayas of Nepal (Insecta: Trichoptera). *Biodiversität und Naturausstattung im Himalaya*, 229-240 . VIII, Erfurt:Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V.

**Moormann, A.** (2024). Evolutionsbiologie im Naturkundemuseum. In: Gemballa, S., Kattmann, U. (Ed.), *Didaktik der Evolutionsbiologie.*, 513-528 . Berlin, Heidelberg:Springer Spektrum. DOI: https://doi.org/10.1007/978-3-662-69030-7\_29.

**Schmitt, Ralf T.** (2024). Die Mineralogische Sammlung des Museums für Naturkunde Berlin im Wandel der Zeit. In: Strauß, Angela; Schmitt, Ralf Thomas (Ed.), *Vom Steinbruch ins Atelier - Die Mineralogische Sammlung im Museum für Naturkunde Berlin*, 27-64 Laborberichte. 12, Ilmtal-Weinstraße:VDG .

**Srivathsan, A.**; **Meier, R.** (2024). Scalable, Cost-Effective, and Decentralized DNA Barcoding with Oxford Nanopore Sequencing. In: Robert DeSalle (Ed.), *DNA Barcoding: Methods and Protocols*, 223-238 Methods In Molecular Biology. 2744, New York:Springer Nature. DOI: https://doi.org/10.1007/978-1-0716-3581-0\_14.

Stoecker, H.; **Ohl, M.** (2024). 14 Taxonomie at Tendaguru. How the Berlin Dinosaurs got their names. In: Vennen, M., Stoecker, H., Heumann, I. (Ed). In *Deconstructing Dinosaurs - The History of the German Tendaguru Expedition and its finds, 1906-2023*, 233-254 . Leiden:Brill. DOI: https://doi.org/10.1163/9789004691063\_015.

**Strauß, A.** (2024). Vom Siebengebirge an die Spree – Die Musealisierung einer mineralogischen Privatsammlung. In: Strauß, Angela; Schmitt, Ralf Thomas (Ed.), *Vom Steinbruch ins Atelier - Die Mineralogische Sammlung im Museum für Naturkunde Berlin*, 65-94 Laborberichte. 12, Ilmtal-Weinstraße : VDG:VDG

**Strauß, A.** (2024). Zuschreibung der Werte. Gutachten zu geowissenschaftlichen Sammlungen in Preußen (1810–1840). In: Reimann, Caren; Weis, Joëlle (Ed.), *Unbezahlbar? Vormoderne Sammlungsökonomie*, 203-225 Kulturen des Sammelns. Akteure, Objekte, Medien. Göttingen: Wallstein-Verlag:Wallstein Verlag. DOI: https://doi.org/10.15499/kds-008-008.

**Uhlig, M.**; Uhlig, B. (2024). The Erichsonius fauna of the Himalaya 2: The first reprensentative of the genus from Bhutan (Coleoptera: Staphylinidae, Staphylininae). In: Hartmann, M.; M. V. L. Barclay & J. Weipert (Ed.), *Biodiversität und Naturausstattung im Himalaya*, 302-306 . VIII, Erfurt:Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V.

**Uhlig, M.**; Uhlig, B. (2024). The Erichsonius fauna of the Himalaya 3: E. (Sectophilonthus) kleebergi sp. n. - a new outstanding species of Nepal (Coleoptera: Staphylinidae, Staphylininae).. In: Hartmann, M.; M. V. L. Barclay & J. Weipert (Ed.), *Biodiversität und Naturausstattung im Himalaya*, 307-314 . VIII, Erfurt:Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V.

**Uhlig, M.**; Uhlig, B.; Kleeberg, A. (2024). The Erichsonius fauna of the Himalaya 4: Three new species of the genus from Nepal from the collection A. Kleeberg (Coleoptera: Staphylinidae, Staphylininae).. In: Hartmann, M.; M. V. L. Barclay & J. Weipert (Ed.), *Biodiversität und Naturausstattung im Himalaya*, 315-328 . VIII, Erfurt:Verein der Freunde und Förderer des Naturkundemuseums Erfurt e. V.

**Voigt-Heucke, S.**; Haklay, M.; **Hecker, S.** (2024). Ch. 11: Citizen science. In: Darbellay, F. (Ed.), *Elgar Encyclopedia of Interdisciplinarity and Transdisciplinarity* , 46-49 Social Sciences series. Edward Elgar Publishing. DOI: https://doi.org/10.4337/9781035317967.ch11.

**Werner, B.**; **Jahn, O.**; **Lasseck, M.**; **Frommolt, K.-H.** (2024). Bioacoustic data acquisition and species recognition.. In: Wägele J.W., Tschan G.F. (Ed.), *Weather stations for biodiversity: a comprehensive approach to an automated and modular monitoring system*, 119-157 Advanced Books. Sofia:Pensoft Publishers. DOI: https://doi.org/10.3897/ab.e119534.

Wiepke, A.; Belli, F.; Fischer, M. H.; **Miklashevsky, A.** (2024). Embodied Learning in Virtual Reality. In: Karsten Senkbeil, Timo Ahlers (Ed.), *Virtual Reality in den Geisteswissenschaften: Konzepte, Methoden und interkulturelle Anwendungen* . Peter Lang Group AG

**Kiprijanov, K. S.** (2024). *Lehre partizipativ gestalten.*  DUZ Verlags- und Medienhaus. DOI: https://doi.org/978-3-96037-390-2.

Projektgruppe „Wissenschaftskommunikation“ im VBIO, inkl. **Moormann, A.** (2024). *Wissenschaftskommunikation im Bereich der Biowissenschaften.*  VBIO. <https://www.vbio.de/fileadmin/user_upload/verband/Positionen/240226_Position_WissKomm_final.pdf>

**Giere, P.** (2024). Der Zugang zu genetischen Ressourcen. Wie sich die Biodiversitätskonventionen durch das Nagoya-Protokoll auf die Grundlagenforschung auswirkt.. *Politik und Kultur*, 1-3. https://politikkultur.de/die-kunst-der-benennung/der-zugang-zu-genetischen-ressourcen/?print=pdf.

**Meyer, J.** (2024). Citizen Science – Wissenschaft der Vielen. *eNewsletter Wegweiser Bürgerschafr*, 3. https://www.buergergesellschaft.de/fileadmin/pdf/gastbeitrag\_meyer\_240328.pdf.

**Meyer, J.** (2024). Vertrauen in Wissenschaft durch Citizen Science. *BBE-Newsletter für Engagement und Partizipation in Deutschland*, 1-3.

**Sturm, U.** (2024). Die alltägliche Natur - Pflanzen und Tiere entdecken mit der Smartphone-App Naturblick. *Politik & Kultur*, 22 (11/24), 23. https://www.kulturrat.de/publikationen/zeitung-pk/ausgabe-nr-102024/.

**Vogel, J.** (2024). Wie wollen wir leben? Naturkundemuseen bieten Räume für Lösungen. *Politik & Kultur*, 22 (11/24), 1-2. https://www.kulturrat.de/wp-content/uploads/2024/09/puk10-24.pdf.

Agrawal, B.; Grott, M.; Kollenberg, J.; Biele, J.; Gundlach, B.; Blum, J.; **Greshake, A.**; Miyamoto, H. (2024). A numerical method to determine bulk thermal conductivity of randomly packed particle beds. *Europlanet Science Congress 2024 abstracts*, 17. DOI: https://doi.org/10.5194/epsc2024-557.

**Allibert, L.**; Landeau, M.; **Röhlen, R.**; Maller, A.; Nakajima, M.; **Wünnemann, K.** (2024). Metal-silicate mixing upon Giant Impacts into magma oceans. *Europlanet Science Congress 2024 abstracts*. DOI: https://doi.org/10.5194/epsc2024-1126.

**Anderson J.; Sager C.; Airo A.; Miedtank A.; Schwonke F.; Feige J.** (2024). Exploring Polygonal Patterned Grounds in the Hyper-arid Atacama Desert: Insights into Formation Mechanisms and Implications for Martian Analogues. *EPSC Abstracts 2024*, (EPSC2024-1115). DOI: https://doi.org/10.5194/epsc2024-1115.

**Bölling, C.** (2024). A Conceptual Analysis of Occurrences: Implications for the Identity, Mereology and Representation of Occurrence Instances in Biodiversity Data Exchange. *Biodiversity Information Science and Standards*, 8. DOI: https://doi.org/10.3897/biss.8.141258.

**Hamann, C.**; **Greshake, A.**; **Hecht, L.**; Jenniskens, P.; **Kaufmann, F.**; **Luther, R.**; Van den Neucker, A.; Helbert, J.; Spurný, P.; Borovička, J.; Gattacceca, J.; Anand, A.; Kleine, T.; Braukmüller, N.; Becker, H.; Schmitt-Kopplin, P.; Krietsch, D.; Schuppisser, A.; Busemann, H.; Goderis, S. and The Ribbeck Consortiu. (2024). Initial Analysis of the Ribbeck Aubrite Recovered from Asteroid 2024 BX1. *Meteoritics & Planetary Science*. DOI: https://doi.org/10.1111/maps.14239.

Goldmann, M.; Agrawal, B.; Gundlach, B.; Güttler, C.; Patzek, M.; Grott, M.; **Greshake, A.** (2024). Thermal and mechanical properties of carbonaceous chondrite analogues. *Europlanet Science Congress 2024 abstracts*, 17, EPSC2024-348. DOI: https://doi.org/10.5194/epsc2024-348.

**Hamann, C.**; **Greshake, A.**; **Hecht, L.**; Jenniskens, P.; **Kaufmann, F.**; **Luther, R.**; Van den Neucker, A.; Helbert, J.; Spurný, P.; Borovička, J.; Gattacceca, J.; Anand, A.; Kleine, T.; Braukmüller, N.; Becker, H.; Schmitt-Kopplin, P.; Krietsch, D.; Schuppisser, A.; Busemann, H.; Goderis, S. (2024). Petrography and geochemistry of the Ribbeck aubrite recovered from asteroid 2024 BX1, the closest analog to Mercury?. *EPSC Abstracts*, 17, 979. DOI: https://doi.org/10.5194/epsc2024-979.

**Hamann, C.**; **Rice, P.**; **Greshake, A.** (2024). Hypervelocity collisions as drivers of planetary differentiation: Evidence from the Boutel Fil (b) H chondrite impact melt breccia. *EPSC Abstracts*, 17, 826. DOI: https://doi.org/10.5194/epsc2024-826.

Hamm, M.; Strauß, M.; Biele, J.; **Luther, R.**; Knollenberg, J.; Grott, M. (2024). Numerical Model of Reduction of Apparent Thermal Inertia by Interrupted Vertical Heat-Flow. *Europlanet Science Congress 2024 abstracts*, 17, 315. DOI: https://doi.org/10.5194/epsc2024-315.

**Heinle, K**.; **Miklashevsky, A.;** **Albrecht, C**.; **Szigli, K**.; **Loginova, K**.; **Petersen, M.** (2024). WiNoDa Knowledge Lab - Wissenslabor für Naturwissenschaftliche Sammlungen und objektzentrierte Daten. *25. DINI-Jahrestagung - "Gemeinsame Infrastrukturen für eine offene Wissenschaft"*. DOI: https://doi.org/10.5281/zenodo.13832469.

**Wünnemann, K. ;** Luther, **R.** ; Herreros, I. ; Benavidez, P. ; Raducan, S. D. ; Jutzi, M. ; Baldauf, S. and Orm, J. (2024). Impact Model Validation and Laboratory Experiments in the Frame of the Hera Mission. *Meteoritics & Planetary Science*. DOI: https://doi.org/10.1111/maps.14239.

**Karlebowski, S.;** Egerer, M.; Neumann, A. E.; Schmack, J. M.; **Sturm, U.** (2024). Co-creation for change: engaging urban community gardeners in the development of insect conservation interventions. *Arpha Proceedings*, 6, 55-59. DOI: https://doi.org/10.3897/ap.e126596.

**Langer, N.**; **Luther, R.**; **Wünnemann, K.**; Koch, F.; Linke, S. (2024). From Debris to Resource: Simulating High-Velocity Impacts of Space Debris on the Moon. *Europlanet Science Congress 2024 abstracts*. DOI: https://doi.org/10.5194/epsc2024-956.

**Luther, R.**; Ormö, J.; Herreros, I.; Benavidez, P.; Raducan, S. D.; Jutzi, M.; Baldauf, S.; Wünnemann, K. (2024). Impact Experiments and Model Validation in the frame of the Hera mission. *Europlanet Science Congress 2024 abstracts*, 17. DOI: https://doi.org/10.5194/epsc2024-194.

McCormack, J.; Griffiths, M. L.; Maisch, H.; IV, Becker, M. A.; Bourgon, N.; Jaouen, K.; Fuller, B. T.; Pollerspöck, J.; **Hampe, O.**; Feichtinger, I.; Müller, W.; Shimada, K. (2024). Applying zinc isotopes to investigate the trophic positions of extinct marine vertebrates, including the megatooth shark Otodus megalodon, in ancient marine ecosystems. *EGU General Assembly 2024, Vienna, Austria*. DOI: https://doi.org/10.5194/egusphere-egu24-8484.

**Michalik, T.**; Otto, K. A.; Maturilli, A.; Cloutis, E. A.; **Hecht, L.** (2024). How and why can oxidation influence the reflectance spectrum of pyroxenes on planetary bodies?. *Europlanet Science Congress 2024 abstracts*, 17, 1069. DOI: https://doi.org/10.5194/epsc2024-1069.

**Miklashevsky, A.**; **Heinle, K.**; **Albrecht, C.**; **Szigli, K.**; **Loginova, K.**; **Petersen, M.** (2024). WiNoDa Knowledge Lab: Ein Datenkompetenzzentrum für Naturwissenschaftliche Sammlungen und Objektzentrierte Daten. *NFDI4Objects Community Meeting 2024 (Mainz, Germany, 2024)*. DOI: https://doi.org/10.5281/zenodo.13886477.

**Parolini, G.**; **Petersen, M.** (2024). What Is Sustainability? A Reflection From the Perspective of Biodiversity Informatics. *Biodiversity Information Science and Standards 8*, 8. DOI: https://doi.org/10.3897/biss.8.132930.

Plesa, Ana-Catalina; Rückriemen-Bez, Tina; Wünnemann, Ka. (2024). The role of impacts on ice shell dynamics and surface-to-ocean exchange on Europa. *Europlanet Science Congress 2024 abstracts*, 17, EPSC2024-701. DOI: https://doi.org/10.5194/epsc2024-701.

Poelchau, M. H.; Kenkmann, T.; Winkler, R.; Wirth, R.; **Luther, R.;** Schaefer, F. (2024). Shear Stresses in Experimentally Shock-Twinned Calcite. *Meteoritics & Planetary Science*, 59, (S1), I-XIII. DOI: https://doi.org/10.1111/maps.14239.

Rice, P.; **Luther, R**.; **Wünnemann, K.** (2024). Modelling Lunar Impact Flashes from Molten Ejecta. *Europlanet Science Congress 2024 abstracts*. DOI: https://doi.org/10.5194/epsc2024-560.

**Röhlen, R.**; **Wünnemann, K.**; Allibert, L.; Maas, C.; Hansen, U. (2024). Breaking or Entering? The Fate of Asteroid Cores During Impact Into a Magma Ocean. *Europlanet Science Congress 2024 abstracts*, 17. DOI: https://doi.org/10.5194/epsc2024-816.

Schiller, E. K.; Buschbom, J.; Wiltschke-Schrotta, K.; Häffner, E.; Leliaert, F.; Zimkus, B. M.; Dickie, J. B.; Gomes, S. R.; Lyal, C. H.C.; **Mulcahy, D**.; Paton, A. J.; Droege, G. (2024). Tools for Fulfilling Legal Requirements of Biodiversity Specimens: Permit/Contract & Term Typologies. *Biodiversity Information Science and Standards*, 8, e139406. DOI: https://doi.org/10.3897/biss.8.139406.

Senel, C. B.; Karatekin, O.; **Luther, R**.; Henry, G.; Claeys, P. (2024). Simulating NASA DART impact: Insights into the interior of asteroid Dimorphos. *EGU General Assembly 2024 Abstracts*. DOI: https://doi.org/10.5194/egusphere-egu24-12996.

Senel, C. B.; Karatekin, O.; **Luther, R.**; Henry, G.; Claeys, P. (2024). Hypervelocity Impact Simulations of the NASA Double Asteroid Redirection Test (DART) on Asteroid Dimorphos. *Lunar & Planetary Science Conference Abstracts*, #2312. https://www.hou.usra.edu/meetings/lpsc2024/technical\_program/?session\_no=721.

Senel, C. B.; Karatekin, Ö.; **Luther, R.**; Dai, K.; Zhu, M.; **Wünnemann, K.**; Claeys, P. (2024). Inferring the interior of asteroid Dimorphos from hypervelocity DART-scale impact simulations. *Europlanet Science Congress 2024 abstracts*, 17, 937. DOI: https://doi.org/10.5194/epsc2024-937.

Senel, C. B.; Karatekin, Ö.; **Luther, R.;** Dai, K.; Zhu, M.-H.; **Wünnemann, K.;** Claeys, P. (2024). DART-scale Hypervelocity Impact Simulations: Insights into the Interior of Near-Earth Asteroid Dimorphos. *86th Annual Meeting of the Meteoritical Society 2024*, LPI Contrib. No. 3036-6443. https://www.hou.usra.edu/meetings/metsoc2024/pdf/6443.pdf.

**Sturm, U.**; **Khorramshahi, O.** (2024). Naturblick: Erkenntnisse aus der Entwicklung einer App zur urbanen Naturerfahrung. *BfN-Schriften*. DOI: https://doi.org/10.19217/skr677.

**Sturm, U.**; **Kuhlmann, H.**; **Dontschev, M.** (2024). Übersicht Bestimmungs-Apps. *BfN-Schriften*, (677), 57-61. DOI: https://doi.org/10.19217/skr677.

Van den Neucker, A.; Helbert, J.; Barraud, O.; d'Amore, M.; Verma, N.; Adeli, S.; Alemanno, G.; Maturilli, A.; Hamann, C.; **Hecht, L.;** **Greshake, A.;** Kaufman, F.; **Luther, R.;** Jenniskens, P.; Hiesinger, H. (2024). The Spectral Characterization of the Ribbeck Aubrite as Mercury Analog: The Effect of Heating in Preparation for MERTIS FlyBy 5. *Europlanet Science Congress 2024 abstracts*, 17, EPSC2024-733. DOI: https://doi.org/10.5194/epsc2024-733.

**von Mering, S.**; **Kaiser, K.** (2024). Making connections. Open data for transdisciplinary Provenance Research on Collections from Colonial Contexts. *in: Schmidt-Loske, Katharina, Tschan, Georg F., Xylander, Willi E. R., Space, Time, Plants and Paper. Botanical Exploration from Colonial Origins to Global Heritage (Senckenberg Monographs, Vol. 1, pp. 75-84*, 2024, (1), 75-84. DOI: <https://doi.org/978-3-510-61428-8>.

**Bessert-Nettelbeck, M.**; Burwitz, M.; Gehring, K.; Erikson, K.; **Kiprijanov, K. S.**; Loth, A.; Mühlenbein, F.; Müller, M.; Oesterheld, M.; **Voigt-Heucke, S.** (2024). *Partizipation in der Wissenschaft (DUZ Special).*  DUZ Verlags- und Medienhaus. DOI: https://doi.org/ISBN 978-3-96037-390-2.

Bishop, I,; Cacciatori, C.; Chapman, D.; DuBois, C.; ; Endalew, Y. E.; Goldin, J.; Graham, M.; Hamisi, W.; Juanah, M.; Kamara, I.; **Kirschke, S.**; Livingstone, A.; Loeffen, A.; Loiselle, S.; Madikizela, B.; Mkole, R.; Castro, J. M.; Mudenda, E.; Nyongesa, F.; Nyoni, F.; Kiminta, E. O.; Pattinson, N. B.; Sullivan, T.; Taylor, J.; de Vries, S.; Walker, M.; Warner, S.; Wehn, U.; Wu, Y. (2024). *Technical Brief - The role of citizen science in improving ambient water quality.*  Earthwatch Europe on behalf of the United Nations Environment Programme-coordinated World Water Quality Alliance. DOI: https://doi.org/10.5281/zenodo.12634359.

Bishop, I.; Cacciatori, C.; Ceccaroni, L.; Chapman, D.; DuBois, C.; Endalew, Y. E.; Goldin, J.; Graham, M. P.; Hamisi, W. Juanah, M.; Kamara, I.; **Kirschke, S.**; Livingstone, A.; Loeffen, A.; Loiselle, S.; Madikizela, B.; Mkole, R.; Monge, J.; Mudenda, E.; Nyongesa, F.; Nyoni, F.; Kiminta, E. O.; Pattinson, N. B.; Sullivan, T.; Taylor, J.; a deVries, S.; Walker, M.; Warner, S.; Wehn, U.; Yaqian Wu, Y. (2024). *Policy Brief - The role of citizen science in improving ambient water quality.*  Earthwatch Europe on behalf of the United Nations Environment Programme-coordinated World Water Quality Alliance. DOI: https://doi.org/10.5281/zenodo.12650972.

Cyber Valley, **Berlin School of Public Engagement and Open Science,** PE-Communit. (2024). *Der Public Engagement Kodex - Wie wir den Dialog zwischen Wisschenschaft und Öffentlichkeit gestalten.* 1-24. Museum für Naturkunde Berlin (MfN) - Leibniz Institute for Evolution and Biodiversity Science .[https://www.museumfuernaturkunde.berlin/sites/default/files/BS-23-001%20Berlin%20School\_Kodex-2023\_Booklet-A5\_dt\_SCREEN\_0.pdf](https://www.museumfuernaturkunde.berlin/sites/default/files/BS-23-001%2520Berlin%2520School_Kodex-2023_Booklet-A5_dt_SCREEN_0.pdf) (german)

Cyber Valley, **Berlin School of Public Engagement and Open Science**, PE-Communit. (2024). *The principles of public engagement – How we shape the dialogue between research and the public.* 1-24. Museum für Naturkunde Berlin (MfN) - Leibniz Institute for Evolution and Biodiversity Science [https://www.museumfuernaturkunde.berlin/sites/default/files/BS-23-001%20Berlin%20School\_Kodex-2023\_Booklet-A5\_gb\_SCREEN.pdf](https://www.museumfuernaturkunde.berlin/sites/default/files/BS-23-001%2520Berlin%2520School_Kodex-2023_Booklet-A5_gb_SCREEN.pdf) (english)

**Faustino, A.**; **Wendler, J.**; **Shennan V.** (2024). *Impact: Definitions, How to manage it, A case study.* , 1-6 Museum für Naturkunde Berlin (MfN) - Leibniz Institute for Evolution and Biodiversity Science. DOI: https://doi.org/10.7479/m82c-m683.

Galloway, C.; Monaghan, J.; **Wendler, J.**; Spokes, L.; Joubert, M.; Milne, R.; **Shennan, V.** (2024). *Emotions in Engagement Toolkit - A practice guide and insights from the Collaborative Futures Academy 2024.*  Museum für Naturkunde Berlin (MfN) - Leibniz Institute for Evolution and Biodiversity Science. DOI: https://doi.org/10.7479/m1m8-km40.

**Karlebowski, S.**; **Sturm, U.** (2024). *Datenmanagementpläne in Citizen-Science-Projekten – Begleitender Leitfaden zum Werkzeug Bürgerforschungsdaten-planen.* , 1-28 Museum für Naturkunde Berlin (MfN) - Leibniz Institute for Evolution and Biodiversity Science. DOI: https://doi.org/10.7479/4y0t-k239.

**Kiprijanov, K. S.** (2024). *Leitbild Public Engagement zu Planetarer Gesundheit mit Fokus auf Ernährung und Ernährungssysteme.* Museum für Naturkunde Berlin.

**Kiprijanov, K. S.;** Reichel, C. (2024). *Wissenstransfer für nachhaltige Landnutzung und Ernährung: Gemeinsam tätig werden im Sinne der Planetaren Gesundheit.*  DUZ Verlags- und Medienhaus

**Kirschke, S.**; **Glahe, J.**; Ahrend, C.; Brandt, M.; **Hecker, S.**; Krohmer, J.; Lentz, S.; Marzinek, N.; Molthagen-Schnöring, S.; **Stewart, M.**; **Voigt-Heucke, S.** (2024). *Perspectives on Science Communication*, e136750 Pensoft Publishers. DOI: https://doi.org/10.3897/rio.10.e136750.

Leachman, S.; Meudt, H.; **von Mering, S.**; Santos, J. (2024). *Report on WikiProject International Botanical Congress 2024.*  Zenodo. DOI: <https://doi.org/10.5281/zenodo.13788266>.

**Arvidsson, P.**; **Ebbighausen, J.**; **Khorramshahi, O.** (2024). Open Source Code Naturblick Android. [Dataset]. Museum für Naturkunde Berlin: GitHub, Inc. https://github.com/mfn-berlin/naturblick-android.

**Arvidsson, P.**; **Ebbighausen, J.**; **Khorramshahi, O.** (2024). Open Source Code Naturblick iOS. [Dataset]. Museum für Naturkunde Berlin: GitHub, Inc. https://github.com/mfn-berlin/naturblick-ios.

Clements, H. S.; San, E. D. L.; Hempson, G.; Linden, B.; Maritz, B.; Monadjem, A.; Reynolds, C.; Siebert, F.; Stevens, N.; Biggs, R.; De Vos, A.; Blanchard, R.; Child, M.; Esler, K. J.; Hamann, M.; Loft, T.; Reyers, B.; Selomane, O.; Skowno, A. L.; (...), **Rödel, M.-O.**; (...), Woodhouse, G. M. (2024). The bii4africa dataset of faunal and floral population intactness estimates across Africa’s major land uses. [Dataset]. In *Scientific Data* (Bd. 11, Nummer 1). DOI: https://doi.org/10.1038/s41597-023-02832-6.

**Dittrich, C.** (2024). Drop dead! Female mate avoidance in an explosively breeding frog. [Dataset]. In *Cassyni – Research seminars*. DOI: https://doi.org/10.52843/cassyni.fzsxvh.

**Heyne, E.**; Falb, D.; Rinck, M.; Schalansky, J.; Graessner, M.; Schneider, T.; Bossmann, M.; Lembeck, P.; Tajouri, S.; **Sturm, U.** (2024). Wie Gras. Ein literarischer Audioguide zum Anthropozän. [Dataset]. Museum für Naturkunde, FARN Kollektiv. <https://youtu.be/kpbi56DUnQU>

**Karlebowski, S.**; **Sturm, U.** (2024). Digitales Werkzeug für die Erstellung von Datenmanagementplänen für Citizen Science-Projekte. [Dataset]. Museum für Naturkunde Berlin. https://buergerforschungsdaten-planen.de/.

McGregor, A. P.; **Sumner-Rooney, L.**; Burkmar, R.; Schoenauer, A. (2024). The genome sequence of the silver stretch spider, Tetragnatha montana (Simon, 1874) (Araneae: Tetragnathidae). [Dataset]. Wellcome Open Research. DOI: https://doi.org/10.12688/wellcomeopenres.21782.1.

**Meyer, J.** (2024). Understanding the role of trust in the cooperation of diverse actors in citizen science projects from Germany: a qualitative interview study. [Dataset]. OSF Home. DOI: https://doi.org/10.17605/OSF.IO/263UV.

Paech, F.; Woite, E.; **Paß, S.; Schindler, C.** (2024). Open Access Spiel "Skill It - Unlock Your Science!". [Dataset]. Zenodo. DOI: https://doi.org/10.7479/eqbn-6f25.

**Parolini, G.** (2024). Machine-Readable Data Formats in Biodiversity Informatics. [Dataset]. Museum für Naturkunde Berlin: GitHub. DOI: https://doi.org/10.7479/6qch-mz63.

Van Tussenbroek, I. A.; **Knörnschild, M.**; **Nagy, M.**; O’Toole, B. P.; Formenti, G.; Philge, P.; Zhang, N.; Abueg, L.; Brajuka, N.; Jarvis, E.; Volkert, T. L.; Gray, J. L.; Pieri, M.; Mai, M.; Teeling, E. C.; Vernes, S. C. (2024). The genome sequence of Rhynchonycteris naso, Peters, 1867 (Chiroptera, Emballonuridae, Rhynchonycteris). [Dataset]. Wellcome Open Research. DOI: https://doi.org/10.12688/wellcomeopenres.19959.1.