

# Dirk Steinke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6698677/publications.pdf>

Version: 2024-02-01

90  
papers

5,512  
citations

76294

40  
h-index

91828

69  
g-index

117  
all docs

117  
docs citations

117  
times ranked

6665  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Diet composition of reintroduced Red-and-Green Macaws reflects gradual adaptation to life in the wild. <i>Condor</i> , 2022, 124, .  | 0.7 | 6         |
| 2  | Metabarcoding, direct stomach observation and stable isotope analysis reveal a highly diverse diet for the invasive green crab in Atlantic Patagonia. <i>Biological Invasions</i> , 2022, 24, 505-526.   | 1.2 | 9         |
| 3  | Message in a Bottleâ€”Metabarcoding enables biodiversity comparisons across ecoregions. <i>GigaScience</i> , 2022, 11, .   | 3.3 | 14        |
| 4  | Riparian forests can mitigate warming and ecological degradation of agricultural headwater streams. <i>Freshwater Biology</i> , 2021, 66, 785-798.   | 1.2 | 33        |
| 5  | A workflow for accurate metabarcoding using nanopore MinION sequencing. <i>Methods in Ecology and Evolution</i> , 2021, 12, 794-804.   | 2.2 | 23        |
| 6  | Assessing Temporal Patterns and Species Composition of Glass Eel ( <i>Anguilla</i> spp.) Cohorts in Sumatra and Java Using DNA Barcodes. <i>Diversity</i> , 2021, 13, 193.   | 0.7 | 2         |
| 7  | Exploring the vertebrate fauna of the Birdâ€™s Head Peninsula (Indonesia, West Papua) through DNA barcodes. <i>Molecular Ecology Resources</i> , 2021, 21, 2369-2387.  | 2.2 | 10        |
| 8  | Assessment of current taxonomic assignment strategies for metabarcoding eukaryotes. <i>Molecular Ecology Resources</i> , 2021, 21, 2190-2203.  | 2.2 | 35        |
| 9  | Molecular Taxonomy and Diversification of Atlantic Skates (Chondrichthyes, Rajiformes): Adding More Pieces to the Puzzle of Their Evolutionary History. <i>Life</i> , 2021, 11, 596.   | 1.1 | 6         |
| 10 | Revisiting the Diversity of <i>Barbonymus</i> (Cypriniformes, Cyprinidae) in Sundaland Using DNA-Based Species Delimitation Methods. <i>Diversity</i> , 2021, 13, 283.   | 0.7 | 5         |
| 11 | Mitochondrial Genetic Diversity among Farmed Stocks of <i>Oreochromis</i> spp. (Perciformes, Cichlidae) in Madagascar. <i>Diversity</i> , 2021, 13, 281.   | 0.7 | 2         |
| 12 | A bright ideaâ€”metabarcoding arthropods from light fixtures. <i>PeerJ</i> , 2021, 9, e11841.  | 0.9 | 3         |
| 13 | At each site its diversity: DNA barcoding reveals remarkable earthworm diversity in neotropical rainforests of French Guiana. <i>Applied Soil Ecology</i> , 2021, 164, 103932.   | 2.1 | 11        |
| 14 | Contrasting patterns of genetic differentiation for deep-sea amphipod taxa along New Zealand's continental margins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 162, 103323.  | 0.6 | 4         |
| 15 | A new primer for metabarcoding of spider gut contents. <i>Environmental DNA</i> , 2020, 2, 234-243.  | 3.1 | 26        |
| 16 | Biodiversity inventory of the grey mullets (Actinopterygii: Mugilidae) of the Indoâ€“Australian Archipelago through the iterative use of DNAâ€“based species delimitation and specimen assignment methods. <i>Evolutionary Applications</i> , 2020, 13, 1451-1467. | 1.5 | 23        |
| 17 | Assessing species diversity of Coral Triangle artisanal fisheries: A DNA barcode reference library for the shore fishes retailed at Ambon harbor (Indonesia). <i>Ecology and Evolution</i> , 2020, 10, 3356-3366.  | 0.8 | 21        |
| 18 | Scaling up <sc>DNA</sc> metabarcoding for freshwater macrozoobenthos monitoring. <i>Freshwater Biology</i> , 2019, 64, 380-387.  | 1.2 | 76        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Trends in DNA barcoding and metabarcoding. <i>Genome</i> , 2019, 62, v-viii.   | 0.9 | 21        |
| 20 | Survey of mislabelling across finfish supply chain reveals mislabelling both outside and within Canada. <i>Food Research International</i> , 2019, 121, 723-729.   | 2.9 | 39        |
| 21 | Metabarcoding a diverse arthropod mock community. <i>Molecular Ecology Resources</i> , 2019, 19, 711-727.  | 2.2 | 107       |
| 22 | A reference library for Canadian invertebrates with 1.5 million barcodes, voucher specimens, and DNA samples. <i>Scientific Data</i> , 2019, 6, 308.   | 2.4 | 39        |
| 23 | Validation of COI metabarcoding primers for terrestrial arthropods. <i>PeerJ</i> , 2019, 7, e7745.   | 0.9 | 161       |
| 24 | No homology means there can be no analyses; a comment on Jose & Harikrishnan. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 220-221.  | 0.7 | 0         |
| 25 | Estimating intraspecific genetic diversity from community DNA metabarcoding data. <i>PeerJ</i> , 2018, 6, e4644.   | 0.9 | 132       |
| 26 | Diversity of Mesopelagic Fishes in the Southern Ocean - A Phylogeographic Perspective Using DNA Barcoding. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .  | 1.1 | 23        |
| 27 | When too much isn't enough: Does current food production meet global nutritional needs?. <i>PLoS ONE</i> , 2018, 13, e0205683.   | 1.1 | 110       |
| 28 | Why We Need Sustainable Networks Bridging Countries, Disciplines, Cultures and Generations for Aquatic Biomonitoring 2.0: A Perspective Derived From the DNAqua-Net COST Action. <i>Advances in Ecological Research</i> , 2018, 58, 63-99. | 1.4 | 120       |
| 29 | Slippage of degenerate primers can cause variation in amplicon length. <i>Scientific Reports</i> , 2018, 8, 10999.   | 1.6 | 22        |
| 30 | Range extension for the region of sympatry between the nudibranchs <i>Hermissenda opalescens</i> and <i>Hermissenda crassicornis</i> in the northeastern Pacific. <i>Facets</i> , 2018, 3, 764-776.  | 1.1 | 3         |
| 31 | DNA analysis of traded shark fins and mobulid gill plates reveals a high proportion of species of conservation concern. <i>Scientific Reports</i> , 2017, 7, 9505.   | 1.6 | 52        |
| 32 | The School Malaise Trap Program: Coupling educational outreach with scientific discovery. <i>PLoS Biology</i> , 2017, 15, e2001829.  | 2.6 | 28        |
| 33 | Improving the Conservation of Mediterranean Chondrichthyans: The ELASMOMED DNA Barcode Reference Library. <i>PLoS ONE</i> , 2017, 12, e0170244.  | 1.1 | 47        |
| 34 | DNA barcoding the fishes of Lizard Island (Great Barrier Reef). <i>Biodiversity Data Journal</i> , 2017, 5, e12409.  | 0.4 | 8         |
| 35 | Linking adults and immatures of South African marine fishes. <i>Genome</i> , 2016, 59, 959-967.  | 0.9 | 48        |
| 36 | DNA barcoding in diverse educational settings: five case studies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150340.   | 1.8 | 16        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | DNA Barcoding of Marine Metazoans. <i>Methods in Molecular Biology</i> , 2016, 1452, 155-168.  | 0.4 | 20        |
| 38 | The significance of cephalopod beaks in marine ecology studies: Can we use beaks for DNA analyses and mercury contamination assessment?. <i>Marine Pollution Bulletin</i> , 2016, 103, 220-226.                                      | 2.3 | 18        |
| 39 | Ichthyofaunal Baselines in the Pacific Arctic Region and RUSALCA Study Area. <i>Oceanography</i> , 2015, 28, 158-189.  | 0.5 | 33        |
| 40 | The Application of DNA Barcodes for the Identification of Marine Crustaceans from the North Sea and Adjacent Regions. <i>PLoS ONE</i> , 2015, 10, e0139421.  | 1.1 | 112       |
| 41 | Increasing global participation in genetics research through DNA barcoding. <i>Genome</i> , 2015, 58, 519-526.   | 0.9 | 8         |
| 42 | Biodiversity inventories in high gear: DNA barcoding facilitates a rapid biotic survey of a temperate nature reserve. <i>Biodiversity Data Journal</i> , 2015, 3, e6313.   | 0.4 | 69        |
| 43 | Calibrating Snakehead Diversity with DNA Barcodes: Expanding Taxonomic Coverage to Enable Identification of Potential and Established Invasive Species. <i>PLoS ONE</i> , 2014, 9, e99546.   | 1.1 | 18        |
| 44 | Biogeographical and phylogeographical relationships of the bathyal ophiuroid fauna of the Macquarie Ridge, Southern Ocean. <i>Polar Biology</i> , 2013, 36, 321-333.   | 0.5 | 14        |
| 45 | The diversity and biogeography of the Coleoptera of Churchill: insights from DNA barcoding. <i>BMC Ecology</i> , 2013, 13, 40.   | 3.0 | 35        |
| 46 | Diet richness of invasive Indo-Pacific lionfish revealed by DNA barcoding. <i>Marine Ecology - Progress Series</i> , 2013, 472, 249-256.   | 0.9 | 94        |
| 47 | Mitochondrial <i>COI</i> analyses reveal that amphipod diversity is associated with environmental heterogeneity in deep-sea habitats. <i>Molecular Ecology</i> , 2012, 21, 4885-4897.  | 2.0 | 25        |
| 48 | A Census of Fishes and Everything They Eat: How the Census of Marine Life Advanced Fisheries Science. <i>Fisheries</i> , 2012, 37, 398-409.  | 0.6 | 8         |
| 49 | A Ranking System for Reference Libraries of DNA Barcodes: Application to Marine Fish Species from Portugal. <i>PLoS ONE</i> , 2012, 7, e35858.   | 1.1 | 89        |
| 50 | DNA barcodes and species identifications in Ross Sea and Southern Ocean fishes. <i>Polar Biology</i> , 2012, 35, 1297-1310.  | 0.5 | 21        |
| 51 | First Molecular Evidence for Underestimated Biodiversity of <i>Rhachotropis</i> (Crustacea, Amphipoda), with Description of a New Species. <i>PLoS ONE</i> , 2012, 7, e32365.  | 1.1 | 15        |
| 52 | High genetic diversity within <i>Epimeria georgiana</i> (Amphipoda) from the southern Scotia Arc. <i>Marine Biodiversity</i> , 2012, 42, 137-159.  | 0.3 | 9         |
| 53 | Comprehensive sampling reveals circumpolarity and sympatry in seven mitochondrial lineages of the Southern Ocean crinoid species <i>Promachocrinus kerguelensis</i> (Echinodermata). <i>Molecular Ecology</i> , 2012, 21, 2502-2518. | 2.0 | 73        |
| 54 | Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. <i>PLoS ONE</i> , 2012, 7, e36514.   | 1.1 | 148       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | FISH-BOL and seafood identification: Geographically dispersed case studies reveal systemic market substitution across Canada. <i>Mitochondrial DNA</i> , 2011, 22, 106-122.  | 0.6 | 131       |
| 56 | DNA barcoding and molecular systematics of the benthic and demersal organisms of the CEAMARC survey. <i>Polar Science</i> , 2011, 5, 298-312.  | 0.5 | 25        |
| 57 | Five years of FISH-BOL: Brief status report. <i>Mitochondrial DNA</i> , 2011, 22, 3-9.   | 0.6 | 131       |
| 58 | Cryptic speciation and the circumpolarity debate: A case study on endemic Southern Ocean octopuses using the COI barcode of life. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 242-249.                 | 0.6 | 117       |
| 59 | DNA Barcoding of Marine Metazoa. <i>Annual Review of Marine Science</i> , 2011, 3, 471-508.  | 5.1 | 430       |
| 60 | A new approach to an old conundrum—DNA barcoding sheds new light on phenotypic plasticity and morphological stasis in microsnails (Gastropoda, Pulmonata, Carychiidae). <i>Molecular Ecology Resources</i> , 2011, 11, 255-265.          | 2.2 | 52        |
| 61 | The FISH-BOL collaborators' protocol. <i>Mitochondrial DNA</i> , 2011, 22, 10-14.  | 0.6 | 80        |
| 62 | DNA barcoding highlights a cryptic species of grenadier <i>Macrourus</i> in the Southern Ocean. <i>Journal of Fish Biology</i> , 2011, 78, 355-365.  | 0.7 | 45        |
| 63 | Antarctic DNA barcoding; a drop in the ocean?. <i>Polar Biology</i> , 2011, 34, 775-780.   | 0.5 | 40        |
| 64 | Biodiversity and phylogeography of Arctic marine fauna: insights from molecular tools. <i>Marine Biodiversity</i> , 2011, 41, 195-210.   | 0.3 | 84        |
| 65 | Biodiversity of arctic marine fishes: taxonomy and zoogeography. <i>Marine Biodiversity</i> , 2011, 41, 109-140.   | 0.3 | 196       |
| 66 | DNA barcoding of morid cods reveals deep divergence in the antitropical <i>Halargyreus johnsoni</i> but little distinction between <i>Antimora rostrata</i> and <i>Antimora microlepis</i> . <i>Mitochondrial DNA</i> , 2011, 22, 21-26. | 0.6 | 11        |
| 67 | Molecular and morphological evidence supports the species status of the Mahachai fighter <i>Betta</i> sp. Mahachai and reveals new species of <i>Betta</i> from Thailand. <i>Journal of Fish Biology</i> , 2010, 77, 414-424.            | 0.7 | 37        |
| 68 | Poles Apart: The "Bipolar" Pteropod Species <i>Limacina helicina</i> Is Genetically Distinct Between the Arctic and Antarctic Oceans. <i>PLoS ONE</i> , 2010, 5, e9835.  | 1.1 | 65        |
| 69 | To Be or Not to Be a Flatworm: The Acoel Controversy. <i>PLoS ONE</i> , 2009, 4, e5502.  | 1.1 | 86        |
| 70 | Rapid high-quality imaging of fishes using a flat-bed scanner. <i>Ichthyological Research</i> , 2009, 56, 210-211.   | 0.5 | 11        |
| 71 | DNA barcoding of Pacific Canada's fishes. <i>Marine Biology</i> , 2009, 156, 2641-2647.  | 0.7 | 168       |
| 72 | Genome Desertification in Eutherians: Can Gene Deserts Explain the Uneven Distribution of Genes in Placental Mammalian Genomes?. <i>Journal of Molecular Evolution</i> , 2009, 69, 207-216.  | 0.8 | 8         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Identification of shark and ray fins using DNA barcoding. Fisheries Research, 2009, 95, 280-288.   | 0.9 | 188       |
| 74 | Barcoding Nemo: DNA-Based Identifications for the Ornamental Fish Trade. PLoS ONE, 2009, 4, e6300.   | 1.1 | 168       |
| 75 | DNA barcoding for the identification of smoked fish products. Journal of Fish Biology, 2008, 72, 464-471.  | 0.7 | 96        |
| 76 | Molecular analysis of Southern Ocean skates ( <i>Bathyraja</i> ) reveals a new species of Antarctic skate. Journal of Fish Biology, 2008, 73, 1170-1182.   | 0.7 | 57        |
| 77 | Annotation of expressed sequence tags for the East African cichlid fish <i>Astatotilapia burtoni</i> and evolutionary analyses of cichlid ORFs. BMC Genomics, 2008, 9, 96.   | 1.2 | 48        |
| 78 | DNA barcoding of shared fish species from the North Atlantic and Australasia: minimal divergence for most taxa, but <i>Zeus faber</i> and <i>Lepidopus caudatus</i> each probably constitute two species. Aquatic Biology, 2008, 3, 71-78. | 0.5 | 80        |
| 79 | Utility of DNA taxonomy and barcoding for the inference of larval community structure in morphologically cryptic <i>Chironomus</i> (Diptera) species. Molecular Ecology, 2007, 16, 1957-1968.  | 2.0 | 143       |
| 80 | Three rounds (1R/2R/3R) of genome duplications and the evolution of the glycolytic pathway in vertebrates. BMC Biology, 2006, 4, 16.   | 1.7 | 105       |
| 81 | Novel Relationships Among Ten Fish Model Species Revealed Based on a Phylogenomic Analysis Using ESTs. Journal of Molecular Evolution, 2006, 62, 772-784.  | 0.8 | 150       |
| 82 | Many genes in fish have species-specific asymmetric rates of molecular evolution. BMC Genomics, 2006, 7, 20.   | 1.2 | 100       |
| 83 | Why do snails have hairs? A Bayesian inference of character evolution. BMC Evolutionary Biology, 2005, 5, 59.  | 3.2 | 55        |
| 84 | Taxl: a software tool for DNA barcoding using distance methods. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1975-1980.  | 1.8 | 104       |
| 85 | New Amphibians and Global Conservation: A Boost in Species Discoveries in a Highly Endangered Vertebrate Group. BioScience, 2005, 55, 693.   | 2.2 | 135       |
| 86 | Molecular phylogeny and character evolution in the Western Palearctic Helicidae s.l. (Gastropoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5  | 1.2 | 51        |
| 87 | Comparing total RNA sequencing and metagenomics pipelines for multi-domain taxonomic profiling: implications for ecological assessments. ARPHA Conference Abstracts, 0, 4, .   | 0.0 | 0         |
| 88 | Effects of Malaise trap spacing on species richness and composition of terrestrial arthropod bulk samples. Metabarcoding and Metagenomics, 0, 5, .   | 0.0 | 21        |
| 89 | The power of metabarcoding: Can we improve bioassessment and biodiversity surveys of stream macroinvertebrate communities?. Metabarcoding and Metagenomics, 0, 5, .  | 0.0 | 7         |
| 90 | DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. Research Ideas and Outcomes, 0, 2, e11321.  | 1.0 | 154       |