

Dirk Steinke

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

5,512
citations

76326

40
h-index

91884

69
g-index

117
all docs

117
docs citations

117
times ranked

6665
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Barcoding of Marine Metazoa. <i>Annual Review of Marine Science</i> , 2011, 3, 471-508.	11.6	430
2	Biodiversity of arctic marine fishes: taxonomy and zoogeography. <i>Marine Biodiversity</i> , 2011, 41, 109-140.	1.0	196
3	Identification of shark and ray fins using DNA barcoding. <i>Fisheries Research</i> , 2009, 95, 280-288.	1.7	188
4	DNA barcoding of Pacific Canada's fishes. <i>Marine Biology</i> , 2009, 156, 2641-2647.	1.5	168
5	Barcoding Nemo: DNA-Based Identifications for the Ornamental Fish Trade. <i>PLoS ONE</i> , 2009, 4, e6300.	2.5	168
6	Validation of COI metabarcoding primers for terrestrial arthropods. <i>PeerJ</i> , 2019, 7, e7745.	2.0	161
7	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. <i>Research Ideas and Outcomes</i> , 0, 2, e11321.	1.0	154
8	Novel Relationships Among Ten Fish Model Species Revealed Based on a Phylogenomic Analysis Using ESTs. <i>Journal of Molecular Evolution</i> , 2006, 62, 772-784.	1.8	150
9	Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. <i>PLoS ONE</i> , 2012, 7, e36514.	2.5	148
10	Utility of DNA taxonomy and barcoding for the inference of larval community structure in morphologically cryptic <i>Chironomus</i> (Diptera) species. <i>Molecular Ecology</i> , 2007, 16, 1957-1968.	3.9	143
11	New Amphibians and Global Conservation: A Boost in Species Discoveries in a Highly Endangered Vertebrate Group. <i>BioScience</i> , 2005, 55, 693.	4.9	135
12	Estimating intraspecific genetic diversity from community DNA metabarcoding data. <i>PeerJ</i> , 2018, 6, e4644.	2.0	132
13	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
14	Five years of FISH-BOL: Brief status report. <i>Mitochondrial DNA</i> , 2011, 22, 3-9.	0.6	131
15	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.	2.7	120
16	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.	1.4	117
17	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.	2.5	112
18	When too much isn't enough: Does current food production meet global nutritional needs?. <i>PLoS ONE</i> , 2018, 13, e0205683.	2.5	110

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19	Metabarcoding a diverse arthropod mock community. <i>Molecular Ecology Resources</i> , 2019, 19, 711-727.	4.8	107
20	Three rounds (1R/2R/3R) of genome duplications and the evolution of the glycolytic pathway in vertebrates. <i>BMC Biology</i> , 2006, 4, 16.	3.8	105
21	Taxl: a software tool for DNA barcoding using distance methods. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1975-1980.	4.0	104
22	Many genes in fish have species-specific asymmetric rates of molecular evolution. <i>BMC Genomics</i> , 2006, 7, 20.	2.8	100
23	DNA barcoding for the identification of smoked fish products. <i>Journal of Fish Biology</i> , 2008, 72, 464-471.	1.6	96
24	Diet richness of invasive Indo-Pacific lionfish revealed by DNA barcoding. <i>Marine Ecology - Progress Series</i> , 2013, 472, 249-256.	1.9	94
25	A Ranking System for Reference Libraries of DNA Barcodes: Application to Marine Fish Species from Portugal. <i>PLoS ONE</i> , 2012, 7, e35858.	2.5	89
26	To Be or Not to Be a Flatworm: The Acoel Controversy. <i>PLoS ONE</i> , 2009, 4, e5502.	2.5	86
27	Biodiversity and phylogeography of Arctic marine fauna: insights from molecular tools. <i>Marine Biodiversity</i> , 2011, 41, 195-210.	1.0	84
28	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. <i>Aquatic Biology</i> , 2008, 3, 71-78.	1.4	80
29	The FISH-BOL collaborators' protocol. <i>Mitochondrial DNA</i> , 2011, 22, 10-14.	0.6	80
30	Scaling up <sc>DNA</sc> metabarcoding for freshwater macrozoobenthos monitoring. <i>Freshwater Biology</i> , 2019, 64, 380-387.	2.4	76
31	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.	3.9	73
32	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.	0.8	69
33	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.	2.5	65
34	Molecular analysis of Southern Ocean skates (<i>Bathyraja</i>) reveals a new species of Antarctic skate. <i>Journal of Fish Biology</i> , 2008, 73, 1170-1182.	1.6	57
35	Why do snails have hairs? A Bayesian inference of character evolution. <i>BMC Evolutionary Biology</i> , 2005, 5, 59.	3.2	55
36	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.	4.8	52

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37	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.	3.3	52
38	Molecular phylogeny and character evolution in the Western Palaearctic Helicidae s.l. (Gastropoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	51
39	Annotation of expressed sequence tags for the East African cichlid fish <i>Astatotilapia burtoni</i> and evolutionary analyses of cichlid ORFs. <i>BMC Genomics</i> , 2008, 9, 96.	2.8	48
40	Linking adults and immatures of South African marine fishes. <i>Genome</i> , 2016, 59, 959-967.	2.0	48
41	Improving the Conservation of Mediterranean Chondrichthyans: The ELASMOMED DNA Barcode Reference Library. <i>PLoS ONE</i> , 2017, 12, e0170244.	2.5	47
42	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.	1.6	45
43	Antarctic DNA barcoding; a drop in the ocean?. <i>Polar Biology</i> , 2011, 34, 775-780.	1.2	40
44	Survey of mislabelling across finfish supply chain reveals mislabelling both outside and within Canada. <i>Food Research International</i> , 2019, 121, 723-729.	6.2	39
45	A reference library for Canadian invertebrates with 1.5 million barcodes, voucher specimens, and DNA samples. <i>Scientific Data</i> , 2019, 6, 308.	5.3	39
46	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.	1.6	37
47	The diversity and biogeography of the Coleoptera of Churchill: insights from DNA barcoding. <i>BMC Ecology</i> , 2013, 13, 40.	3.0	35
48	Assessment of current taxonomic assignment strategies for metabarcoding eukaryotes. <i>Molecular Ecology Resources</i> , 2021, 21, 2190-2203.	4.8	35
49	Ichthyofaunal Baselines in the Pacific Arctic Region and RUSALCA Study Area. <i>Oceanography</i> , 2015, 28, 158-189.	1.0	33
50	Riparian forests can mitigate warming and ecological degradation of agricultural headwater streams. <i>Freshwater Biology</i> , 2021, 66, 785-798.	2.4	33
51	The School Malaise Trap Program: Coupling educational outreach with scientific discovery. <i>PLoS Biology</i> , 2017, 15, e2001829.	5.6	28
52	A new primer for metabarcoding of spider gut contents. <i>Environmental DNA</i> , 2020, 2, 234-243.	5.8	26
53	DNA barcoding and molecular systematics of the benthic and demersal organisms of the CEAMARC survey. <i>Polar Science</i> , 2011, 5, 298-312.	1.2	25
54	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.	3.9	25

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55	Diversity of Mesopelagic Fishes in the Southern Ocean - A Phylogeographic Perspective Using DNA Barcoding. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	23
56	Biodiversity inventory of the grey mullets (Actinopterygii: Mugilidae) of the Indo-Australian Archipelago through the iterative use of DNA-based species delimitation and specimen assignment methods. <i>Evolutionary Applications</i> , 2020, 13, 1451-1467.	3.1	23
57	A workflow for accurate metabarcoding using nanopore MinION sequencing. <i>Methods in Ecology and Evolution</i> , 2021, 12, 794-804.	5.2	23
58	Slippage of degenerate primers can cause variation in amplicon length. <i>Scientific Reports</i> , 2018, 8, 10999.	3.3	22
59	DNA barcodes and species identifications in Ross Sea and Southern Ocean fishes. <i>Polar Biology</i> , 2012, 35, 1297-1310.	1.2	21
60	Trends in DNA barcoding and metabarcoding. <i>Genome</i> , 2019, 62, v-viii.	2.0	21
61	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.	1.9	21
62	Effects of Malaise trap spacing on species richness and composition of terrestrial arthropod bulk samples. <i>Metabarcoding and Metagenomics</i> , 0, 5, .	0.0	21
63	DNA Barcoding of Marine Metazoans. <i>Methods in Molecular Biology</i> , 2016, 1452, 155-168.	0.9	20
64	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.	5.0	18
65	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.	2.5	18
66	DNA barcoding in diverse educational settings: five case studies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150340.	4.0	16
67	First Molecular Evidence for Underestimated Biodiversity of Rhachotropis (Crustacea, Amphipoda), with Description of a New Species. <i>PLoS ONE</i> , 2012, 7, e32365.	2.5	15
68	Biogeographical and phylogeographical relationships of the bathyal ophiuroid fauna of the Macquarie Ridge, Southern Ocean. <i>Polar Biology</i> , 2013, 36, 321-333.	1.2	14
69	Message in a Bottle—Metabarcoding enables biodiversity comparisons across ecoregions. <i>GigaScience</i> , 2022, 11, .	6.4	14
70	Rapid high-quality imaging of fishes using a flat-bed scanner. <i>Ichthyological Research</i> , 2009, 56, 210-211.	0.8	11
71	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
72	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.	4.3	11

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73	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.	4.8	10
74	High genetic diversity within <i>Epimeria georgiana</i> (Amphipoda) from the southern Scotia Arc. <i>Marine Biodiversity</i> , 2012, 42, 137-159.	1.0	9
75	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.	2.4	9
76	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.	1.8	8
77	A Census of Fishes and Everything They Eat: How the Census of Marine Life Advanced Fisheries Science. <i>Fisheries</i> , 2012, 37, 398-409.	0.8	8
78	Increasing global participation in genetics research through DNA barcoding. <i>Genome</i> , 2015, 58, 519-526.	2.0	8
79	DNA barcoding the fishes of Lizard Island (Great Barrier Reef). <i>Biodiversity Data Journal</i> , 2017, 5, e12409.	0.8	8
80	The power of metabarcoding: Can we improve bioassessment and biodiversity surveys of stream macroinvertebrate communities?. <i>Metabarcoding and Metagenomics</i> , 0, 5, .	0.0	7
81	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.	2.4	6
82	Diet composition of reintroduced Red-and-Green Macaws reflects gradual adaptation to life in the wild. <i>Condor</i> , 2022, 124, .	1.6	6
83	Revisiting the Diversity of <i>Barbonymus</i> (Cypriniformes, Cyprinidae) in Sundaland Using DNA-Based Species Delimitation Methods. <i>Diversity</i> , 2021, 13, 283.	1.7	5
84	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.	1.4	4
85	A bright ideaâ€™ metabarcoding arthropods from light fixtures. <i>PeerJ</i> , 2021, 9, e11841.	2.0	3
86	Range extension for the region of sympatry between the nudibranchs <i>Hermisenda opalescens</i> and <i>Hermisenda crassicornis</i> in the northeastern Pacific. <i>Facets</i> , 2018, 3, 764-776.	2.4	3
87	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.	1.7	2
88	Mitochondrial Genetic Diversity among Farmed Stocks of <i>Oreochromis</i> spp. (Perciformes, Cichlidae) in Madagascar. <i>Diversity</i> , 2021, 13, 281.	1.7	2
89	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
90	Comparing total RNA sequencing and metagenomics pipelines for multi-domain taxonomic profiling: implications for ecological assessments. <i>ARPHA Conference Abstracts</i> , 0, 4, .	0.0	0