Dirk Steinke

List of Publications by Year
in descending order

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Version: 2024-02-01

90 papers	5,512 citations	87401 40 h-index	104191 69 g-index
117 all docs	117 docs citations	117 times ranked	7383 citing authors

#	Article	IF	Citations
1	Diet composition of reintroduced Red-and-Green Macaws reflects gradual adaptation to life in the wild. Condor, 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. Biological Invasions, 2022, 24, 505-526.	1.2	9
3	Message in a Bottleâ€"Metabarcoding enables biodiversity comparisons across ecoregions. GigaScience, 2022, 11, .	3.3	14
4	Riparian forests can mitigate warming and ecological degradation of agricultural headwater streams. Freshwater Biology, 2021, 66, 785-798.	1.2	33
5	A workflow for accurate metabarcoding using nanopore MinION sequencing. Methods in Ecology and Evolution, 2021, 12, 794-804.	2.2	23
6	Assessing Temporal Patterns and Species Composition of Glass Eel (Anguilla spp.) Cohorts in Sumatra and Java Using DNA Barcodes. Diversity, 2021, 13, 193.	0.7	2
7	Exploring the vertebrate fauna of the Birdâ€™s Head Peninsula (Indonesia, West Papua) through DNA barcodes. Molecular Ecology Resources, 2021, 21, 2369-2387.	2.2	10
8	Assessment of current taxonomic assignment strategies for metabarcoding eukaryotes. Molecular Ecology Resources, 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. Life, 2021, 11, 596.	1.1	6
10	Revisiting the Diversity of Barbonymus (Cypriniformes, Cyprinidae) in Sundaland Using DNA-Based Species Delimitation Methods. Diversity, 2021, 13, 283.	0.7	5
11	Mitochondrial Genetic Diversity among Farmed Stocks of Oreochromis spp. (Perciformes, Cichlidae) in Madagascar. Diversity, 2021, 13, 281.	0.7	2
12	A bright ideaâ€"metabarcoding arthropods from light fixtures. PeerJ, 2021, 9, e11841.	0.9	3
13	At each site its diversity: DNA barcoding reveals remarkable earthworm diversity in neotropical rainforests of French Guiana. Applied Soil Ecology, 2021, 164, 103932.	2.1	11
14	Contrasting patterns of genetic differentiation for deep-sea amphipod taxa along New Zealand's continental margins. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 162, 103323.	0.6	4
15	A new primer for metabarcoding of spider gut contents. Environmental DNA, 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. Evolutionary Applications, 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). Ecology and Evolution, 2020, 10, 3356-3366.	0.8	21
18	Scaling up <scp>DNA</scp> metabarcoding for freshwater macrozoobenthos monitoring. Freshwater Biology, 2019, 64, 380-387.	1.2	76

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19	Trends in DNA barcoding and metabarcoding. Genome, 2019, 62, v-viii.	0.9	21
20	Survey of mislabelling across finfish supply chain reveals mislabelling both outside and within Canada. Food Research International, 2019, 121, 723-729.	2.9	39
21	Metabarcoding a diverse arthropod mock community. Molecular Ecology Resources, 2019, 19, 711-727.	2.2	107
22	A reference library for Canadian invertebrates with 1.5 million barcodes, voucher specimens, and DNA samples. Scientific Data, 2019, 6, 308.	2.4	39
23	Validation of COI metabarcoding primers for terrestrial arthropods. PeerJ, 2019, 7, e7745.	0.9	161
24	No homology means there can be no analyses; a comment on Jose & Harikrishnan. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2018, 29, 220-221.	0.7	0
25	Estimating intraspecific genetic diversity from community DNA metabarcoding data. PeerJ, 2018, 6, e4644.	0.9	132
26	Diversity of Mesopelagic Fishes in the Southern Ocean - A Phylogeographic Perspective Using DNA Barcoding. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	23
27	When too much isnâ€™t enough: Does current food production meet global nutritional needs?. PLoS ONE, 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. Advances in Ecological Research, 2018, 58, 63-99.	1.4	120
29	Slippage of degenerate primers can cause variation in amplicon length. Scientific Reports, 2018, 8, 10999.	1.6	22
30	Range extension for the region of sympatry between the nudibranchsHermissenda opalescensandHermissenda crassicornisin the northeastern Pacific. Facets, 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. Scientific Reports, 2017, 7, 9505.	1.6	52
32	The School Malaise Trap Program: Coupling educational outreach with scientific discovery. PLoS Biology, 2017, 15, e2001829.	2.6	28
33	Improving the Conservation of Mediterranean Chondrichthyans: The ELASMOMED DNA Barcode Reference Library. PLoS ONE, 2017, 12, e0170244.	1.1	47
34	DNA barcoding the fishes of Lizard Island (Great Barrier Reef). Biodiversity Data Journal, 2017, 5, e12409.	0.4	8
35	Linking adults and immatures of South African marine fishes. Genome, 2016, 59, 959-967.	0.9	48
36	DNA barcoding in diverse educational settings: five case studies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150340.	1.8	16

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37	DNA Barcoding of Marine Metazoans. Methods in Molecular Biology, 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?. Marine Pollution Bulletin, 2016, 103, 220-226.	2.3	18
39	Ichthyofaunal Baselines in the Pacific Arctic Region and RUSALCA Study Area. Oceanography, 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. PLoS ONE, 2015, 10, e0139421.	1.1	112
41	Increasing global participation in genetics research through DNA barcoding. Genome, 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. Biodiversity Data Journal, 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. PLoS ONE, 2014, 9, e99546.	1.1	18
44	Biogeographical and phylogeographical relationships of the bathyal ophiuroid fauna of the Macquarie Ridge, Southern Ocean. Polar Biology, 2013, 36, 321-333.	0.5	14
45	The diversity and biogeography of the Coleoptera of Churchill: insights from DNA barcoding. BMC Ecology, 2013, 13, 40.	3.0	35
46	Diet richness of invasive Indo-Pacific lionfish revealed by DNA barcoding. Marine Ecology - Progress Series, 2013, 472, 249-256.	0.9	94
47	Mitochondrial <scp>DNA</scp> (<scp>COI</scp>) analyses reveal that amphipod diversity is associated with environmental heterogeneity in deepâ€sea habitats. Molecular Ecology, 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. Fisheries, 2012, 37, 398-409.	0.6	8
49	A Ranking System for Reference Libraries of DNA Barcodes: Application to Marine Fish Species from Portugal. PLoS ONE, 2012, 7, e35858.	1.1	89
50	DNA barcodes and species identifications in Ross Sea and Southern Ocean fishes. Polar Biology, 2012, 35, 1297-1310.	0.5	21
51	First Molecular Evidence for Underestimated Biodiversity of Rhachotropis (Crustacea, Amphipoda), with Description of a New Species. PLoS ONE, 2012, 7, e32365.	1.1	15
52	High genetic diversity within Epimeria georgiana (Amphipoda) from the southern Scotia Arc. Marine Biodiversity, 2012, 42, 137-159.	0.3	9
53	Comprehensive sampling reveals circumpolarity and sympatry in seven mitochondrial lineages of the Southern Ocean crinoid species Promachocrinus kerguelensis (Echinodermata). Molecular Ecology, 2012, 21, 2502-2518.	2.0	73
54	Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. PLoS ONE, 2012, 7, e36514.	1.1	148

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55	FISH-BOL and seafood identification: Geographically dispersed case studies reveal systemic market substitution across Canada. Mitochondrial DNA, 2011, 22, 106-122.	0.6	131
56	DNA barcoding and molecular systematics of the benthic andÂdemersal organisms of the CEAMARC survey. Polar Science, 2011, 5, 298-312.	0.5	25
57	Five years of FISH-BOL: Brief status report. Mitochondrial DNA, 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. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 242-249.	0.6	117
59	DNA Barcoding of Marine Metazoa. Annual Review of Marine Science, 2011, 3, 471-508.	5.1	430
60	A new approach to an old conundrumâ€"DNA barcoding sheds new light on phenotypic plasticity and morphological stasis in microsnails (Gastropoda, Pulmonata, Carychiidae). Molecular Ecology Resources, 2011, 11, 255-265.	2.2	52
61	The FISH-BOL collaborators' protocol. Mitochondrial DNA, 2011, 22, 10-14.	0.6	80
62	DNA barcoding highlights a cryptic species of grenadier Macrourus in the Southern Ocean. Journal of Fish Biology, 2011, 78, 355-365.	0.7	45
63	Antarctic DNA barcoding; a drop in the ocean?. Polar Biology, 2011, 34, 775-780.	0.5	40
64	Biodiversity and phylogeography of Arctic marine fauna: insights from molecular tools. Marine Biodiversity, 2011, 41, 195-210.	0.3	84
65	Biodiversity of arctic marine fishes: taxonomy and zoogeography. Marine Biodiversity, 2011, 41, 109-140.	0.3	196
66	DNA barcoding of morid cods reveals deep divergence in the antitropicalHalargyreus johnsonibut little distinction betweenAntimora rostrataandAntimora microlepis. Mitochondrial DNA, 2011, 22, 21-26.	0.6	11
67	Molecular and morphological evidence supports the species status of the Mahachai fighter Betta sp. Mahachai and reveals new species of Betta from Thailand. Journal of Fish Biology, 2010, 77, 414-424.	0.7	37
68	Poles Apart: The â€œBipolarâ€•Pteropod Species Limacina helicina Is Genetically Distinct Between the Arctic and Antarctic Oceans. PLoS ONE, 2010, 5, e9835.	1.1	65
69	To Be or Not to Be a Flatworm: The Acoel Controversy. PLoS ONE, 2009, 4, e5502.	1.1	86
70	Rapid high-quality imaging of fishes using a flat-bed scanner. Ichthyological Research, 2009, 56, 210-211.	0.5	11
71	DNA barcoding of Pacific Canadaâ€™s fishes. Marine Biology, 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?. Journal of Molecular Evolution, 2009, 69, 207-216.	0.8	8

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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 (Bathyraja) 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 Astatotilapia burtoni 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 Zeus faber and Lepidopus caudatus 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 Chironomus (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	TaxI: 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 Palaearctic 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