

Dirk Erpenbeck

List of Publications by Year in descending order

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84
papers

4,168
citations

147801

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123424

61
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90
docs citations

90
times ranked

3897
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenomics Revives Traditional Views on Deep Animal Relationships. <i>Current Biology</i> , 2009, 19, 706-712.	3.9	611
2	Diversity, structure and convergent evolution of the global sponge microbiome. <i>Nature Communications</i> , 2016, 7, 11870.	12.8	594
3	Global Diversity of Sponges (Porifera). <i>PLoS ONE</i> , 2012, 7, e35105.	2.5	493
4	The HMA-LMA Dichotomy Revisited: an Electron Microscopical Survey of 56 Sponge Species. <i>Biological Bulletin</i> , 2014, 227, 78-88.	1.8	188
5	Phylogeography and conservation genetics of endangered European Margaritiferidae (Bivalvia): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	148
6	Non-monophyly of most supraspecific taxa of calcareous sponges (Porifera, Calcarea) revealed by increased taxon sampling and partitioned Bayesian analysis of ribosomal DNA. <i>Molecular Phylogenetics and Evolution</i> , 2006, 40, 830-843.	2.7	75
7	Status and Perspective of Sponge Chemosystematics. <i>Marine Biotechnology</i> , 2007, 9, 2-19.	2.4	74
8	Prokaryotic Diversity and Community Patterns in Antarctic Continental Shelf Sponges. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	74
9	On the molecular phylogeny of sponges (Porifera)*. <i>Zootaxa</i> , 2007, 1668, 107-126.	0.5	67
10	Towards an 18S phylogeny of hexapods: Accounting for group-specific character covariance in optimized mixed nucleotide/doublet models. <i>Zoology</i> , 2007, 110, 409-429.	1.2	66
11	Horny sponges and their affairs: On the phylogenetic relationships of keratose sponges. <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 809-816.	2.7	65
12	Towards a DNA taxonomy of Caribbean demosponges: a gene tree reconstructed from partial mitochondrial CO1 gene sequences supports previous rDNA phylogenies and provides a new perspective on the systematics of Demospongiae. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1563-1570.	0.8	60
13	Barcoding Sponges: An Overview Based on Comprehensive Sampling. <i>PLoS ONE</i> , 2012, 7, e39345.	2.5	58
14	CO I Barcoding Reveals New Clades and Radiation Patterns of Indo-Pacific Sponges of the Family Irciniidae (Demospongiae: Dictyoceratida). <i>PLoS ONE</i> , 2010, 5, e9950.	2.5	57
15	Molecular evidence for recent divergence of Lake Tanganyika endemic crabs (Decapoda:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.7	55
16	Camouflaged invasion of Lake Malawi by an Oriental gastropod. <i>Molecular Ecology</i> , 2004, 13, 2135-2141.	3.9	51
17	DNA taxonomy of spongesâ€”progress and perspectives. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1629-1633.	0.8	51
18	Divergence times in demosponges (Porifera): first insights from new mitogenomes and the inclusion of fossils in a birth-death clock model. <i>BMC Evolutionary Biology</i> , 2018, 18, 114.	3.2	49

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19	An Extraordinary Gobioid Fish Fossil from Southern France. PLoS ONE, 2013, 8, e64117.	2.5	47
20	Deceptive Desmas: Molecular Phylogenetics Suggests a New Classification and Uncovers Convergent Evolution of Lithistid Demosponges. PLoS ONE, 2015, 10, e116038.	2.5	45
21	Species boundaries and phylogenetic relationships between Atlanto-Mediterranean shallow-water and deep-sea coral associated Hexadella species (Porifera, Ianthellidae). Molecular Phylogenetics and Evolution, 2010, 56, 104-114.	2.7	42
22	Naturally Drug-Loaded Chitin: Isolation and Applications. Marine Drugs, 2019, 17, 574.	4.6	42
23	Systematic relationships of five newly sequenced cervid species. PeerJ, 2016, 4, e2307.	2.0	42
24	Molecular biodiversity of Red Sea demosponges. Marine Pollution Bulletin, 2016, 105, 507-514.	5.0	41
25	Compositional and Quantitative Insights Into Bacterial and Archaeal Communities of South Pacific Deep-Sea Sponges (Demospongiae and Hexactinellida). Frontiers in Microbiology, 2020, 11, 716.	3.5	41
26	Naturally Prefabricated Marine Biomaterials: Isolation and Applications of Flat Chitinous 3D Scaffolds from Ianthella labyrinthus (Demospongiae: Verongiida). International Journal of Molecular Sciences, 2019, 20, 5105.	4.1	40
27	The mitochondrial genomes of sponges provide evidence for multiple invasions by Repetitive Hairpin-forming Elements (RHE). BMC Genomics, 2009, 10, 591.	2.8	39
28	Insights into the evolution of freshwater sponges (Porifera: Demospongiae: Spongillina): Barcoding and phylogenetic data from Lake Tanganyika endemics indicate multiple invasions and unsettle existing taxonomy. Molecular Phylogenetics and Evolution, 2011, 61, 231-236.	2.7	38
29	The origin and phylogeny of Margaritiferidae (Bivalvia, Unionoidea): a synthesis of molecular and fossil data. Zoologica Scripta, 2017, 46, 289-307.	1.7	38
30	Molecular evolution of rDNA in early diverging Metazoa: First comparative analysis and phylogenetic application of complete SSU rRNA secondary structures in Porifera. BMC Evolutionary Biology, 2008, 8, 69.	3.2	37
31	Phylogenetic Analyses Under Secondary Structure-Specific Substitution Models Outperform Traditional Approaches: Case Studies with Diploblast LSU. Journal of Molecular Evolution, 2007, 64, 543-557.	1.8	35
32	Phylogenetic analysis of <i>Aphanius</i> from the endorheic Kor River Basin in the Zagros Mountains, South-western Iran (Teleostei: Cyprinodontiformes: Cyprinodontidae). Journal of Zoological Systematics and Evolutionary Research, 2014, 52, 130-141.	1.4	35
33	Amassing diversity in an ancient lake: evolution of a morphologically diverse parthenogenetic gastropod assemblage in Lake Malawi. Molecular Ecology, 2006, 16, 517-530.	3.9	34
34	Evolution of group I introns in Porifera: new evidence for intron mobility and implications for DNA barcoding. BMC Evolutionary Biology, 2017, 17, 82.	3.2	33
35	The phylogeny of halichondrid demosponges: past and present re-visited with DNA-barcoding data. Organisms Diversity and Evolution, 2012, 12, 57-70.	1.6	30
36	New Antiplasmodial Bromotyrosine Derivatives from <i>Suberea ianthelliformis</i> Lendenfeld, 1888. Chemistry and Biodiversity, 2012, 9, 1436-1451.	2.1	27

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37	A morphometric and genetic framework for the genus <i>Gazella</i> Blainville, 1816 (Ruminantia: Bovidae) with special focus on Arabian and Levantine mountain gazelles. <i>Zoological Journal of the Linnean Society</i> , 2013, 169, 673-696.	2.3	27
38	Lock, Stock and Two Different Barrels: Comparing the Genetic Composition of Morphotypes of the Indo-Pacific Sponge <i>Xestospongia testudinaria</i> . <i>PLoS ONE</i> , 2013, 8, e74396.	2.5	27
39	Phylogeography of the Sponge <i>Suberites diversicolor</i> in Indonesia: Insights into the Evolution of Marine Lake Populations. <i>PLoS ONE</i> , 2013, 8, e75996.	2.5	27
40	Molecular phylogeny of <i>Abyssocladia</i> (Cladorhizidae: Poecilosclerida) and <i>Phelloderma</i> (Phellodermidae: Poecilosclerida) suggests a diversification of chelae microscleres in cladorhizid sponges. <i>Zoologica Scripta</i> , 2013, 42, 106-116.	1.7	24
41	Nothing in (sponge) biology makes sense “ except when based on holotypes. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 305-311.	0.8	24
42	OrthoSelect: a protocol for selecting orthologous groups in phylogenomics. <i>BMC Bioinformatics</i> , 2009, 10, 219.	2.6	23
43	New family and genus of a Dendrilla-like sponge with characters of Verongiida. Part II. Discovery of chitin in the skeleton of <i>Ernstilla lacunosa</i> . <i>Zoologischer Anzeiger</i> , 2019, 280, 21-29.	0.9	23
44	The systematics of Raspailiidae (Demospongiae: Poecilosclerida: Microcionina) re-analysed with a ribosomal marker. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1571-1576.	0.8	22
45	The curious case of <i>Gazella arabica</i> . <i>Mammalian Biology</i> , 2013, 78, 220-225.	1.5	20
46	The sponge genetree server—providing a phylogenetic backbone for poriferan evolutionary studies. <i>Zootaxa</i> , 2008, 1939, 58-60.	0.5	19
47	Endemic Lake Baikal sponges from deep water. 1: Potential cryptic speciation and discovery of living species known only from fossils. <i>Zootaxa</i> , 2015, 3990, 123-37.	0.5	18
48	Calcinea of the Red Sea: providing a DNA barcode inventory with description of four new species. <i>Marine Biodiversity</i> , 2017, 47, 1009-1034.	1.0	18
49	Minimalist barcodes for sponges: a case study classifying African freshwater Spongillida. <i>Genome</i> , 2019, 62, 1-10.	2.0	18
50	A survey for biochemical synapomorphies to reveal phylogenetic relationships of halichondrid demosponges (Metazoa: Porifera). <i>Biochemical Systematics and Ecology</i> , 2005, 33, 585-616.	1.3	17
51	A Soft Spot for Chemistry—Current Taxonomic and Evolutionary Implications of Sponge Secondary Metabolite Distribution. <i>Marine Drugs</i> , 2021, 19, 448.	4.6	17
52	A Hexapod nuclear SSU rRNA secondary-structure model and catalog of taxon-specific structural variation. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2006, 306B, 70-88.	1.3	15
53	Affinities of the family Sollaselliidae (Porifera, Demospongiae). II. Molecular evidence. <i>Contributions To Zoology</i> , 2007, 76, 95-102.	0.5	15
54	Evolution, radiation and chemotaxonomy of <i>Lamellodysidea</i> , a demosponge genus with anti-plasmodial metabolites. <i>Marine Biology</i> , 2012, 159, 1119-1127.	1.5	15

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55	MtDNA diversity of the Indonesian giant barrel sponge <i>Xestospongia testudinaria</i> (Porifera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 377 Td). <i>Biological Association of the United Kingdom</i> , 2016, 96, 323-332.	0.8	15
56	Identification, characterization and phylogenetic signal of an elongation factor-1 alpha fragment in demosponges (Metazoa, Porifera, Demospongiae). <i>Zoologica Scripta</i> , 2005, 34, 437-445.	1.7	14
57	Antiprotozoal Linear Furanosesterterpenoids from the Marine Sponge <i>Ircinia oros</i> . <i>Journal of Natural Products</i> , 2017, 80, 2566-2571.	3.0	14
58	New family and genus for Dendrilla-like sponges with characters of Verongiida. Part I redescription of <i>Dendrilla lacunosa</i> Hentschel 1912, diagnosis of the new family Ernstiliidae and <i>Ernstilla</i> n. g.. <i>Zoologischer Anzeiger</i> , 2019, 280, 14-20.	0.9	14
59	Soft sponges with tricky tree: On the phylogeny of dictyoceratid sponges. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 27-40.	1.4	14
60	Diversity of two widespread Indo-Pacific demosponge species revisited. <i>Marine Biodiversity</i> , 2017, 47, 1035-1043.	1.0	13
61	Identification of an aquaculture poriferan "Pest with Potential" and its phylogenetic implications. <i>PeerJ</i> , 2018, 6, e5586.	2.0	13
62	Two Pione species (Hadromerida, Clionaidae) from the Red Sea: a taxonomical challenge. <i>Organisms Diversity and Evolution</i> , 2010, 10, 275-285.	1.6	11
63	Seven new deep-water Tetractinellida (Porifera: Demospongiae) from the Galápagos Islands " morphological descriptions and DNA barcodes. <i>Zoological Journal of the Linnean Society</i> , 2018, 184, 273-303.	2.3	11
64	Antibacterial scalarane from <i>Doriprismatica stellata</i> nudibranchs (Gastropoda, Nudibranchia), egg ribbons, and their dietary sponge <i>Spongia</i> cf. <i>agaricina</i> (Demospongiae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td</i>	1.5	11
65	Molecular biodiversity of Iranian shallow water sponges. <i>Systematics and Biodiversity</i> , 2020, 18, 192-202.	1.2	11
66	A Mitochondrial Intron in a Verongid Sponge. <i>Journal of Molecular Evolution</i> , 2015, 80, 13-17.	1.8	10
67	Having the balls to colonize " The Ephydatia fluviatilis group and the origin of (ancient) lake "endemic" sponge lineages. <i>Journal of Great Lakes Research</i> , 2020, 46, 1140-1145.	1.9	9
68	Systematics of "lithistid" tetractinellid demosponges from the Tropical Western Atlantic" implications for phylodiversity and bathymetric distribution. <i>PeerJ</i> , 2021, 9, e10775.	2.0	9
69	Staying well connected " Lithistid sponges on seamounts. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 437-451.	0.8	8
70	New species and a molecular dating analysis of <i>Vetulina</i> Schmidt, 1879 (Porifera: Demospongiae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td</i>	2.3	8
71	llimaquinone and 5-epi-llimaquinone: Beyond a Simple Diastereomeric Ratio, Biosynthetic Considerations from NMR-Based Analysis. <i>Australian Journal of Chemistry</i> , 2017, 70, 743.	0.9	7
72	Analysis of evolutionary, biogeographical and taxonomic patterns of nucleotide composition in demosponge rRNA. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1607-1614.	0.8	6

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73	Bottomless barrel-sponge species in the Indo-Pacific?. <i>Zootaxa</i> , 2016, 4136, 393-6.	0.5	6
74	A new species of lithistid sponge hiding within the <i>Isabella mirabilis</i> species complex (Porifera: Demospongiae: Tetractinellida) from seamounts of the Norfolk Ridge. <i>Zootaxa</i> , 2016, 4136, 433.	0.5	5
75	Sponge community of the western Black Sea shallow water caves: diversity and spatial distribution. <i>PeerJ</i> , 2018, 6, e4596.	2.0	5
76	<i>Vosmaeria</i> Fristedt, 1885 (Porifera, Demospongiae, Halichondriidae): revision of species, phylogenetic reconstruction and evidence for split. <i>Zootaxa</i> , 2008, 1694, 1.	0.5	4
77	Bearing the wrong identity: A case study of an Indo-Pacific common shallow water sponge of the genus <i>Neopetrosia</i> (Haplosclerida; Petrosiidae). <i>Zootaxa</i> , 2018, 4500, 43.	0.5	3
78	Sponges of the Red Sea. <i>Coral Reefs of the World</i> , 2019, , 91-122.	0.7	3
79	First evidence of miniature transposable elements in sponges (Porifera). <i>Hydrobiologia</i> , 2012, 687, 43-47.	2.0	2
80	First record of a living species of the genus <i>Janulum</i> (Class Demospongiae) in the Southern Hemisphere. <i>Zootaxa</i> , 2015, 3980, 255-66.	0.5	2
81	Zootaxa 20 years: Phylum Porifera. <i>Zootaxa</i> , 2021, 4979, 38-56.	0.5	1
82	Discovery of the freshwater sponge genus <i>Corvospongilla</i> Annandale (Porifera: Spongillida) in Australia with the description of a new species and phylogeographic implications. <i>Limnology</i> , 0, , 1.	1.5	1
83	The lysidyl aminoacyl transfer RNA synthetase intron, a new marker for demosponge phylogeographics – case study on <i>Neopetrosia</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 333-339.	0.8	0
84	A new species of the sponge <i>Raspailia</i> (<i>Raspaxilla</i>) (Porifera: Demospongiae: Axinellida: Raspailiidae) from deep seamounts of the Western Pacific. <i>Zootaxa</i> , 2018, 4410, 379.	0.5	0