Gert WÃ¶rheide

List of Publications by Year
in descending order

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195 papers	11,406 citations	36303 51 h-index	38395 95 g-index

233 all docs	233 docs citations	233 times ranked	12467 citing authors

#	Article	IF	Citations
1	Resolving Difficult Phylogenetic Questions: Why More Sequences Are Not Enough. PLoS Biology, 2011, 9, e1000602.	5.6	932
2	Phylogenomics Revives Traditional Views on Deep Animal Relationships. Current Biology, 2009, 19, 706-712.	3.9	611
3	Slow mitochondrial DNA sequence evolution in the Anthozoa (Cnidaria). Molecular Ecology, 2002, 11, 2475-2487.	3.9	485
4	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. Current Biology, 2017, 27, 958-967.	3.9	423
5	Improved Phylogenomic Taxon Sampling Noticeably Affects Nonbilaterian Relationships. Molecular Biology and Evolution, 2010, 27, 1983-1987.	8.9	298
6	Genomic data do not support comb jellies as the sister group to all other animals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15402-15407.	7.1	286
7	Calcium isotope fractionation in calcite and aragonite. Geochimica Et Cosmochimica Acta, 2005, 69, 4485-4494.	3.9	245
8	Improved Modeling of Compositional Heterogeneity Supports Sponges as Sister to All Other Animals. Current Biology, 2017, 27, 3864-3870.e4.	3.9	244
9	Deep metazoan phylogeny: When different genes tell different stories. Molecular Phylogenetics and Evolution, 2013, 67, 223-233.	2.7	242
10	Beyond corals and fish: the effects of climate change on noncoral benthic invertebrates of tropical reefs. Global Change Biology, 2008, 14, 2773-2795.	9.5	240
11	Independent evolution of striated muscles in cnidarians and bilaterians. Nature, 2012, 487, 231-234.	27.8	221
12	Oxygen isotope fractionation in marine aragonite of coralline sponges. Geochimica Et Cosmochimica Acta, 2000, 64, 1695-1703.	3.9	194
13	The HMA-LMA Dichotomy Revisited: an Electron Microscopical Survey of 56 Sponge Species. Biological Bulletin, 2014, 227, 78-88.	1.8	188
14	A rapidly evolving secretome builds and patterns a sea shell. BMC Biology, 2006, 4, 40.	3.8	180
15	Developmental expression of transcription factor genes in a demosponge: insights into the origin of metazoan multicellularity. Evolution & Development, 2006, 8, 150-173.	2.0	165
16	Dating early animal evolution using phylogenomic data. Scientific Reports, 2017, 7, 3599.	3.3	154
17	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. Nature Chemistry, 2010, 2, 1084-1088.	13.6	149
18	The era of reference genomes in conservation genomics. Trends in Ecology and Evolution, 2022, 37, 197-202.	8.7	138

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19	Phylogeny and Evolution of Glass Sponges (Porifera, Hexactinellida). Systematic Biology, 2008, 57, 388-405.	5.6	132
20	The reef cave dwelling ultraconservative coralline demospongeAstrosclera willeyana Lister 1900 from the Indo-Pacific. Facies, 1998, 38, 1-88.	1.4	123
21	Intragenomic variation of the rDNA internal transcribed spacers in sponges (Phylum Porifera): implications for phylogenetic studies. Molecular Phylogenetics and Evolution, 2004, 33, 816-830.	2.7	123
22	Nano-cluster composite structure of calcitic sponge spiculesâ€"A case study of basic characteristics of biominerals. Journal of Inorganic Biochemistry, 2006, 100, 88-96.	3.5	118
23	Deep Phylogeny and Evolution of Sponges (Phylum Porifera). Advances in Marine Biology, 2012, 61, 1-78.	1.4	116
24	Sponge Paleogenomics Reveals an Ancient Role for Carbonic Anhydrase in Skeletogenesis. Science, 2007, 316, 1893-1895.	12.6	111
25	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. Science, 2021, 374, 717-723.	12.6	111
26	CO1 phylogenies in diploblasts and the 'Barcoding of Life' - are we sequencing a suboptimal partition?. Molecular Ecology Notes, 2006, 6, 550-553.	1.7	110
27	A threat to coral reefs multiplied? Four species of crown-of-thorns starfish. Biology Letters, 2008, 4, 696-699.	2.3	107
28	Structure and composition of calcareous sponge spicules: A review and comparison to structurally related biominerals. Micron, 2008, 39, 209-228.	2.2	105
29	Phylogeography of western Pacific Leucetta 'chagosensis' (Porifera: Calcarea) from ribosomal DNA sequences: implications for population history and conservation of the Great Barrier Reef World Heritage Area (Australia). Molecular Ecology, 2002, 11, 1753-1768.	3.9	104
30	Low variation in partial cytochrome oxidase subunit I (COI) mitochondrial sequences in the coralline demosponge Astrosclera willeyana across the Indo-Pacific. Marine Biology, 2006, 148, 907-912.	1.5	103
31	Dynamic expression of ancient and novel molluscan shell genes during ecological transitions. BMC Evolutionary Biology, 2007, 7, 160.	3.2	100
32	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	2.4	96
33	A 16S <scp>rRNA</scp> gene sequencing and analysis protocol for the Illumina MiniSeq platform. MicrobiologyOpen, 2018, 7, e00611.	3.0	94
34	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge Spongilla lacustris. Journal of Structural Biology, 2013, 183, 474-483.	2.8	88
35	The last common ancestor of animals lacked the HIF pathway and respired in low-oxygen environments. ELife, 2018, 7, .	6.0	88
36	Phylogenetic, genomic, and biogeographic characterization of a novel and ubiquitous marine invertebrate-associated Rickettsiales parasite, Candidatus Aquarickettsia rohweri, gen. nov., sp. nov. ISME Journal, 2019, 13, 2938-2953.	9.8	82

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37	Mitochondrial DNA of Clathrina clathrus (Calcarea, Calcinea): Six Linear Chromosomes, Fragmented rRNAs, tRNA Editing, and a Novel Genetic Code. Molecular Biology and Evolution, 2013, 30, 865-880.	8.9	78
38	Mid-chain branched alkanoic acids from â€œliving fossilâ€•demosponges: a link to ancient sedimentary lipids?. Organic Geochemistry, 1999, 30, 1-14.	1.8	77
39	Leucamide A:Â A New Cytotoxic Heptapeptide from the Australian SpongeLeucetta microraphis. Journal of Organic Chemistry, 2002, 67, 4989-4992.	3.2	76
40	Deep genetic divergences among Indo-Pacific populations of the coral reef sponge Leucetta chagosensis (Leucettidae): Founder effects, vicariance, or both?. BMC Evolutionary Biology, 2008, 8, 24.	3.2	76
41	Non-monophyly of most supraspecific taxa of calcareous sponges (Porifera, Calcarea) revealed by increased taxon sampling and partitioned Bayesian analysis of ribosomal DNA. Molecular Phylogenetics and Evolution, 2006, 40, 830-843.	2.7	75
42	Comparative genomics and the nature of placozoan species. PLoS Biology, 2018, 16, e2005359.	5.6	73
43	Tracing animal genomic evolution with the chromosomal-level assembly of the freshwater sponge Ephydatia muelleri. Nature Communications, 2020, 11, 3676.	12.8	72
44	A chemical view of the most ancient metazoa â€“ biomarker chemotaxonomy of hexactinellid sponges. Die Naturwissenschaften, 2002, 89, 60-66.	1.6	68
45	On the molecular phylogeny of sponges (Porifera)*. Zootaxa, 2007, 1668, 107-126.	0.5	67
46	Biodiversity, molecular ecology and phylogeography of marine sponges: patterns, implications and outlooks. Integrative and Comparative Biology, 2005, 45, 377-385.	2.0	66
47	Novel Scenarios of Early Animal Evolution--Is It Time to Rewrite Textbooks?. Integrative and Comparative Biology, 2013, 53, 503-511.	2.0	66
48	Horny sponges and their affairs: On the phylogenetic relationships of keratose sponges. Molecular Phylogenetics and Evolution, 2012, 63, 809-816.	2.7	65
49	A fragmented metazoan organellar genome: the two mitochondrial chromosomes of Hydra magnipapillata. BMC Genomics, 2008, 9, 350.	2.8	61
50	Manzacidin D: An unprecedented secondary metabolite from the â€œliving fossilâ€•sponge Astrosclera willeyana. Tetrahedron Letters, 1997, 38, 3883-3884.	1.4	60
51	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. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1563-1570.	0.8	60
52	Barcoding Sponges: An Overview Based on Comprehensive Sampling. PLoS ONE, 2012, 7, e39345.	2.5	58
53	Unsuspected diversity of Niphargus amphipods in the chemoautotrophic cave ecosystem of Frasassi, central Italy. BMC Evolutionary Biology, 2010, 10, 171.	3.2	57
54	CO I Barcoding Reveals New Clades and Radiation Patterns of Indo-Pacific Sponges of the Family Irciniidae (Demospongiae: Dictyoceratida). PLoS ONE, 2010, 5, e9950.	2.5	57

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55	New and Biologically Active Imidazole Alkaloids from Two Sponges of the GenusLeucetta. Journal of Natural Products, 2002, 65, 1190-1193.	3.0	53
56	Mitochondrial Diversity of Early-Branching Metazoa Is Revealed by the Complete mt Genome of a Haplosclerid Demosponge. Molecular Biology and Evolution, 2007, 24, 19-22.	8.9	52
57	A horizontal gene transfer supported the evolution of an early metazoan biomineralization strategy. BMC Evolutionary Biology, 2011, 11, 238.	3.2	52
58	The Magellania venosa Biomineralizing Proteome: A Window into Brachiopod Shell Evolution. Genome Biology and Evolution, 2015, 7, 1349-1362.	2.5	52
59	DNA taxonomy of spongesâ€"progress and perspectives. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1629-1633.	0.8	51
60	RNA interference in marine and freshwater sponges: actin knockdown in Tethya wilhelma and Ephydatia muelleriby ingested dsRNA expressing bacteria. BMC Biotechnology, 2011, 11, 67.	3.3	49
61	Persistent Gaps of Knowledge for Naming and Distinguishing Multiple Species of Crown-of-Thorns-Seastar in the Acanthaster planci Species Complex. Diversity, 2017, 9, 22.	1.7	49
62	Divergence times in demosponges (Porifera): first insights from new mitogenomes and the inclusion of fossils in a birth-death clock model. BMC Evolutionary Biology, 2018, 18, 114.	3.2	49
63	Similar Ratios of Introns to Intergenic Sequence across Animal Genomes. Genome Biology and Evolution, 2017, 9, 1582-1598.	2.5	48
64	Deceptive Desmas: Molecular Phylogenetics Suggests a New Classification and Uncovers Convergent Evolution of Lithistid Demosponges. PLoS ONE, 2015, 10, e116038.	2.5	45
65	Molecular Phylogenetic Evaluation of Classification and Scenarios of Character Evolution in Calcareous Sponges (Porifera, Class Calcarea). PLoS ONE, 2012, 7, e33417.	2.5	44
66	Phylogeography of the Crown-of-Thorns Starfish in the Indian Ocean. PLoS ONE, 2012, 7, e43499.	2.5	44
67	A revised phylogeny of Antilopini (Bovidae, Artiodactyla) using combined mitochondrial and nuclear genes. Molecular Phylogenetics and Evolution, 2013, 67, 484-493.	2.7	44
68	The Role of Homology and Orthology in the Phylogenomic Analysis of Metazoan Gene Content. Molecular Biology and Evolution, 2019, 36, 643-649.	8.9	44
69	Systematic relationships of five newly sequenced cervid species. PeerJ, 2016, 4, e2307.	2.0	42
70	Correlation betweenHoxcode and vertebral morphology in archosaurs. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150077.	2.6	41
71	Molecular biodiversity of Red Sea demosponges. Marine Pollution Bulletin, 2016, 105, 507-514.	5.0	41
72	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

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73	First report on chitinous holdfast in sponges (Porifera). Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130339.	2.6	40
74	The mitochondrial genomes of sponges provide evidence for multiple invasions by Repetitive Hairpin-forming Elements (RHE). BMC Genomics, 2009, 10, 591.	2.8	39
75	Organic and Biogeochemical Patterns in Cryptic Microbialites. , 2000, , 149-160.		39
76	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
77	A hypercalcified sponge with soft relatives: Vaceletia is a keratose demosponge. Molecular Phylogenetics and Evolution, 2008, 47, 433-438.	2.7	37
78	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
79	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
80	A short LSU rRNA fragment as a standard marker for integrative taxonomy in calcareous sponges (Porifera: Calcarea). Organisms Diversity and Evolution, 2016, 16, 53-64.	1.6	35
81	Phylogeography of the crown-of-thorns starfish: genetic structure within the Pacific species. Coral Reefs, 2013, 32, 515-525.	2.2	34
82	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
83	Return of the ghosts of dispersal past: historical spread and contemporary gene flow in the blue sea star <I>Linckia laevigata</I>. Bulletin of Marine Science, 2014, 90, 399-425.	0.8	32
84	Calcite Formation in Soft Coral Sclerites Is Determined by a Single Reactive Extracellular Protein. Journal of Biological Chemistry, 2011, 286, 31638-31649.	3.4	31
85	Anaerobic metabolism of Foraminifera thriving below the seafloor. ISME Journal, 2020, 14, 2580-2594.	9.8	31
86	Octocoral sclerite ultrastructures and experimental approach to underlying biomineralisation principles. CrystEngComm, 2007, 9, 1262.	2.6	30
87	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
88	A new thecideid genus and species (Brachiopoda, Recent) from submarine caves of Osprey Reef (Queensland Plateau, Coral Sea, Australia). Journal of Natural History, 2003, 37, 1423-1432.	0.5	29
89	Low genetic structuring among Pericharax heteroraphis (Porifera: Calcarea) populations from the Great Barrier Reef (Australia), revealed by analysis of nrDNA and nuclear intron sequences. Coral Reefs, 2007, 26, 807-816.	2.2	29
90	Phylogeny of Tetillidae (Porifera, Demospongiae, Spirophorida) based on three molecular markers. Molecular Phylogenetics and Evolution, 2013, 67, 509-519.	2.7	29

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91	A morphometric and genetic framework for the genusGazellade Blainville, 1816 (Ruminantia: Bovidae) with special focus on Arabian and Levantine mountain gazelles. Zoological Journal of the Linnean Society, 2013, 169, 673-696.	2.3	27
92	Lock, Stock and Two Different Barrels: Comparing the Genetic Composition of Morphotypes of the Indo-Pacific Sponge Xestospongia testudinaria. PLoS ONE, 2013, 8, e74396.	2.5	27
93	Understanding Animal Evolution: The Added Value of Sponge Transcriptomics and Genomics. BioEssays, 2018, 40, e1700237.	2.5	27
94	An evolutionary fastâ€trackto biocalcification. Geobiology, 2010, 8, 191-196.	2.4	26
95	New insights into the phylogeny of glass sponges (Porifera, Hexactinellida): Monophyly of Lyssacinosida and Euplectellinae, and the phylogenetic position of Euretidae. Molecular Phylogenetics and Evolution, 2009, 52, 257-262.	2.7	25
96	ALG11 â€“ A new variable DNA marker for sponge phylogeny: Comparison of phylogenetic performances with the 18S rDNA and the COI gene. Molecular Phylogenetics and Evolution, 2012, 63, 702-713.	2.7	25
97	Comparative mitogenomics, phylogeny and evolutionary history of Leptogorgia (Gorgoniidae). Molecular Phylogenetics and Evolution, 2017, 115, 181-189.	2.7	25
98	Short-Term Exposure to High-Temperature Water Causes a Shift in the Microbiome of the Common Aquarium Sponge Lendenfeldia chondrodes. Microbial Ecology, 2021, 81, 213-222.	2.8	25
99	Molecular phylogeny of glass sponges (Porifera, Hexactinellida): increased taxon sampling and inclusion of the mitochondrial protein-coding gene, cytochrome oxidase subunit I. Hydrobiologia, 2012, 687, 11-20.	2.0	24
100	Molecular phylogeny of Abyssocladia (Cladorhizidae: Poecilosclerida) and Phelloderma (Phellodermidae: Poecilosclerida) suggests a diversification of chelae microscleres in cladorhizid sponges. Zoologica Scripta, 2013, 42, 106-116.	1.7	24
101	Nothing in (sponge) biology makes sense â€“ except when based on holotypes. Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 305-311.	0.8	24
102	OrthoSelect: a protocol for selecting orthologous groups in phylogenomics. BMC Bioinformatics, 2009, 10, 219.	2.6	23
103	The systematics of Raspailiidae (Demospongiae: Poecilosclerida: Microcionina) re-analysed with a ribosomal marker. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1571-1576.	0.8	22
104	Systematics and spicule evolution in dictyonal sponges (Hexactinellida: Sceptrulophora) with description of two new species. Zoological Journal of the Linnean Society, 2011, 163, 1003-1025.	2.3	22
105	Homoplasious colony morphology and mito-nuclear phylogenetic discordance among Eastern Pacific octocorals. Molecular Phylogenetics and Evolution, 2016, 98, 373-381.	2.7	22
106	Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). Invertebrate Systematics, 2017, 31, 1.	1.3	22
107	The Skeleton Forming Proteome of an Early Branching Metazoan: A Molecular Survey of the Biomineralization Components Employed by the Coralline Sponge Vaceletia Sp.. PLoS ONE, 2015, 10, e0140100.	2.5	21
108	New Non-Bilaterian Transcriptomes Provide Novel Insights into the Evolution of Coral Skeletomes. Genome Biology and Evolution, 2019, 11, 3068-3081.	2.5	21

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109	The curious case of Gazella arabica. Mammalian Biology, 2013, 78, 220-225.	1.5	20
110	Molecular phylogeny and DNA barcoding of tropical eastern Pacific shallow-water gorgonian octocorals. Marine Biology, 2014, 161, 1027-1038.	1.5	20
111	Diversity in a Cold Hot-Spot: DNA-Barcoding Reveals Patterns of Evolution among Antarctic Demosponges (Class Demospongiae, Phylum Porifera). PLoS ONE, 2015, 10, e0127573.	2.5	20
112	The fatty acids of calcareous sponges (Calcarea, Porifera). Chemistry and Physics of Lipids, 2006, 143, 29-37.	3.2	19
113	The sponge genetree serverÂ—providing a phylogenetic backbone for poriferan evolutionary studies. Zootaxa, 2008, 1939, 58-60.	0.5	19
114	NUMTs in the Sponge Genome Reveal Conserved Transposition Mechanisms in Metazoans. Molecular Biology and Evolution, 2011, 28, 1-5.	8.9	19
115	Molecular paleobiology of early-branching animals: integrating DNA and fossils elucidates the evolutionary history of hexactinellid sponges. Paleobiology, 2013, 39, 95-108.	2.0	19
116	Volcanic ash supports a diverse bacterial community in a marine mesocosm. Geobiology, 2017, 15, 453-463.	2.4	19
117	Spicule formation in calcareous sponges: Coordinated expression of biomineralization genes and spicule-type specific genes. Scientific Reports, 2017, 7, 45658.	3.3	19
118	Calcinea of the Red Sea: providing a DNA barcode inventory with description of four new species. Marine Biodiversity, 2017, 47, 1009-1034.	1.0	18
119	Minimalist barcodes for sponges: a case study classifying African freshwater Spongillida. Genome, 2019, 62, 1-10.	2.0	18
120	New species of Calcaronea (Porifera: Calcarea) from cryptic habitats of the southern Great Barrier Reef (Heron Island and Wistari Reef, Capricorn-Bunker Group, Australia). Journal of Natural History, 2003, 37, 1-47.	0.5	17
121	Sponges: New Views of Old Animals. Integrative and Comparative Biology, 2005, 45, 333-334.	2.0	17
122	New insights into the vertebral Hox code of archosaurs. Evolution & Development, 2015, 17, 258-269.	2.0	17
123	Sponges as bioindicators for microparticulate pollutants?. Environmental Pollution, 2021, 268, 115851.	7.5	17
124	A Soft Spot for Chemistryâ€“Current Taxonomic and Evolutionary Implications of Sponge Secondary Metabolite Distribution. Marine Drugs, 2021, 19, 448.	4.6	17
125	Managing and Sharing the Escalating Number of Sponge "Unknowns": The SpongeMaps Project. Integrative and Comparative Biology, 2013, 53, 473-481.	2.0	16
126	Transcriptomic Resilience of the Montipora digitata Holobiont to Low pH. Frontiers in Marine Science, 2017, 4, .	2.5	16

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127	Affinities of the family Sollasellidae (Porifera, Demospongiae). II. Molecular evidence. Contributions To Zoology, 2007, 76, 95-102.	0.5	15
128	The sterols of calcareous sponges (Calcarea, Porifera). Chemistry and Physics of Lipids, 2008, 156, 26-32.	3.2	15
129	Cell death and renewal during prey capture and digestion in the carnivorous spongeAsbestopluma hypogea(Porifera: Poecilosclerida). Journal of Experimental Biology, 2012, 215, 3937-43.	1.7	15
130	Evolution, radiation and chemotaxonomy of Lamellodysidea, a demosponge genus with anti-plasmodial metabolites. Marine Biology, 2012, 159, 1119-1127.	1.5	15
131	Never Ending Analysis of a Century Old Evolutionary Debate: â€œUnringingâ€•the Urmetazoon Bell. Frontiers in Ecology and Evolution, 2016, 4, .	2.2	15
132	MtDNA diversity of the Indonesian giant barrel spongeXestospongia testudinaria(Porifera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biological Association of the United Kingdom, 2016, 96, 323-332.	0.8	15
133	Microbial diversity in the coralline sponge Vaceletia crypta. Antonie Van Leeuwenhoek, 2013, 103, 1041-1056.	1.7	14
134	Reply to Halanych et al.: Ctenophore misplacement is corroborated by independent datasets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E948-9.	7.1	14
135	Comparative Proteomics of Octocoral and Scleractinian Skeletomes and the Evolution of Coral Calcification. Genome Biology and Evolution, 2020, 12, 1623-1635.	2.5	14
136	Soft sponges with tricky tree: On the phylogeny of dictyoceratid sponges. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 27-40.	1.4	14
137	TransPiâ€”a comprehensive TRanscriptome ANalysiS PIpeline for de novo transcriptome assembly. Molecular Ecology Resources, 2022, 22, 2070-2086.	4.8	14
138	First evaluation of mitochondrial DNA as a marker for phylogeographic studies of Calcarea: a case study from Leucetta chagosensis. Hydrobiologia, 2012, 687, 101-106.	2.0	13
139	Symbiophagy and biomineralization in the â€œliving fossilâ€Astrosclera willeyana. Autophagy, 2014, 10, 408-415.	9.1	13
140	Diversity of two widespread Indo-Pacific demosponge species revisited. Marine Biodiversity, 2017, 47, 1035-1043.	1.0	13
141	Identification of an aquaculture poriferan â€œPest with Potentialâ€•and its phylogenetic implications. PeerJ, 2018, 6, e5586.	2.0	13
142	Analysis of the Proteinaceous Components of the Organic Matrix of Calcitic Sclerites from the Soft Coral Sinularia sp.. PLoS ONE, 2013, 8, e58781.	2.5	12
143	Historical biogeography and mitogenomics of two endemic Mediterranean gorgonians (Holaxonia,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	12
144	Mitochondrial RNA processing in absence of tRNA punctuations in octocorals. BMC Molecular Biology, 2017, 18, 16.	3.0	12

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145	The Biology and Evolution of Calcite and Aragonite Mineralization in Octocorallia. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	12
146	Genetic structure of the crown-of-thorns seastar in the Pacific Ocean, with focus on Guam. PeerJ, 2016, 4, e1970.	2.0	12
147	Two Pione species (Hadromerida, Clionaidae) from the Red Sea: a taxonomical challenge. Organisms Diversity and Evolution, 2010, 10, 275-285.	1.6	11
148	Phylogenetic Diversity and Community Structure of the Symbionts Associated with the Coralline Sponge Astrosclera willeyana of the Great Barrier Reef. Microbial Ecology, 2013, 65, 740-752.	2.8	11
149	Seven new deep-water Tetractinellida (Porifera: Demospongiae) from the GalÃ¡pagos Islands â€“ morphological descriptions and DNA barcodes. Zoological Journal of the Linnean Society, 2018, 184, 273-303.	2.3	11
150	Antibacterial scalarane from Doriprismatica stellata nudibranchs (Gastropoda, Nudibranchia), egg ribbons, and their dietary sponge Spongia cf. agaricina (Demospongiae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td	2.2	11
151	Molecular biodiversity of Iranian shallow water sponges. Systematics and Biodiversity, 2020, 18, 192-202.	1.2	11
152	A Mitochondrial Intron in a Verongid Sponge. Journal of Molecular Evolution, 2015, 80, 13-17.	1.8	10
153	Spatial patterns in the distribution of benthic assemblages across a large depth gradient in the Coral Sea, Australia. Marine Biodiversity, 2016, 46, 795-808.	1.0	10
154	Poriferan survivin exhibits a conserved regulatory role in the interconnected pathways of cell cycle and apoptosis. Cell Death and Differentiation, 2011, 18, 201-213.	11.2	9
155	Having the balls to colonize â€“ The Ephydatia fluviatilis group and the origin of (ancient) lake â€œendemicâ€•sponge lineages. Journal of Great Lakes Research, 2020, 46, 1140-1145.	1.9	9
156	Systematics of â€˜lithistidâ€™ tetractinellid demosponges from the Tropical Western Atlanticâ€”implications for phylodiversity and bathymetric distribution. PeerJ, 2021, 9, e10775.	2.0	9
157	Genome Evolution in Bacteria Isolated from Million-Year-Old Subseafloor Sediment. MBio, 2021, 12, e0115021.	4.1	9
158	Challenges for biodiversity research in Europe. Procedia, Social and Behavioral Sciences, 2011, 13, 83-100.	0.5	8
159	Cloning, characterization and sulfonamide inhibition studies of an Î±-carbonic anhydrase from the living fossil sponge Astrosclera willeyana. Bioorganic and Medicinal Chemistry, 2012, 20, 1403-1410.	3.0	8
160	Characterization of the proteinaceous skeletal organic matrix from the precious coralCorallium konojoi. Proteomics, 2014, 14, 2600-2606.	2.2	8
161	Staying well connected â€“ Lithistid sponges on seamounts. Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 437-451.	0.8	8
162	Molecular paleobiology â€” Progress and perspectives. Palaeoworld, 2016, 25, 138-148.	1.1	8

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