Kenneth M. Halanych

List of Publications by Year
in descending order

196 papers	10,618 citations	31976 53 h-index	40979 93 g-index
204 all docs	204 docs citations	204 times ranked	7384 citing authors

#	Article	IF	Citations
1	The ctenophore genome and the evolutionary origins of neural systems. Nature, 2014, 510, 109-114.	27.8	606
2	Evidence from 18 <i>S</i> Ribosomal DNA that the Lophophorates Are Protostome Animals. Science, 1995, 267, 1641-1643.	12.6	534
3	Phylogenomics reveals deep molluscan relationships. Nature, 2011, 477, 452-456.	27.8	420
4	The New View of Animal Phylogeny. Annual Review of Ecology, Evolution, and Systematics, 2004, 35, 229-256.	8.3	409
5	Error, signal, and the placement of Ctenophora sister to all other animals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5773-5778.	7.1	279
6	Annelid phylogeny and the status of Sipuncula and Echiura. BMC Evolutionary Biology, 2007, 7, 57.	3.2	273
7	Illuminating the Base of the Annelid Tree Using Transcriptomics. Molecular Biology and Evolution, 2014, 31, 1391-1401.	8.9	268
8	Species boundaries and global biogeography of the <i>Alexandrium tamarense</i> complex (Dinophyceae)¹. Journal of Phycology, 2007, 43, 1329-1338.	2.3	235
9	Ctenophore relationships and their placement as the sister group to all other animals. Nature Ecology and Evolution, 2017, 1, 1737-1746.	7.8	202
10	Phylogenomics of Lophotrochozoa with Consideration of Systematic Error. Systematic Biology, 2017, 66, syw079.	5.6	164
11	Lophotrochozoan phylogeny assessed with LSU and SSU data: Evidence of lophophorate polyphyly. Molecular Phylogenetics and Evolution, 2006, 40, 20-28.	2.7	160
12	Molecular systematics of vestimentiferan tubeworms from hydrothermal vents and cold-water seeps. Marine Biology, 1997, 130, 141-149.	1.5	156
13	Openâ€ocean barriers to dispersal: a test case with the Antarctic Polar Front and the ribbon worm <i>Parborlasia corrugatus</i> (Nemertea: Lineidae). Molecular Ecology, 2008, 17, 5104-5117.	3.9	156
14	Evaluating Connectivity in the Brooding Brittle Star Astrotoma agassizii across the Drake Passage in the Southern Ocean. Journal of Heredity, 2008, 99, 137-148.	2.4	153
15	The Phylogenetic Position of the Pterobranch Hemichordates Based on 18S rDNA Sequence Data. Molecular Phylogenetics and Evolution, 1995, 4, 72-76.	2.7	147
16	Ocean barriers and glaciation: evidence for explosive radiation of mitochondrial lineages in the Antarctic sea slug <i>Doris kerguelenensis</i> (Mollusca, Nudibranchia). Molecular Ecology, 2009, 18, 965-984.	3.9	144
17	PhyloTreePruner: A Phylogenetic Tree-Based Approach for selection of Orthologous sequences for phylogenomics. Evolutionary Bioinformatics, 2013, 9, EBO.S12813.	1.2	141
18	Investigation of molluscan phylogeny using large-subunit and small-subunit nuclear rRNA sequences. Molecular Phylogenetics and Evolution, 2004, 32, 25-38.	2.7	140

#	Article	IF	Citations
19	Dramatic Shifts in Benthic Microbial Eukaryote Communities following the Deepwater Horizon Oil Spill. PLoS ONE, 2012, 7, e38550.	2.5	139
20	Phylogeny of Eunicida (Annelida) and Exploring Data Congruence Using a Partition Addition Bootstrap Alteration (PABA) Approach. Systematic Biology, 2006, 55, 1-20.	5.6	137
21	New Perspectives on the Ecology and Evolution of Siboglinid Tubeworms. PLoS ONE, 2011, 6, e16309.	2.5	137
22	Broad taxon and gene sampling indicate that chaetognaths are protostomes. Current Biology, 2006, 16, R575-R576.	3.9	128
23	Multiple lineages and absence of panmixia in the â€œcircumpolarâ€• crinoid Promachocrinus kerguelensis from the Atlantic sector of Antarctica. Marine Biology, 2007, 152, 895-904.	1.5	122
24	Phylogenomic Resolution of the Hemichordate and Echinoderm Clade. Current Biology, 2014, 24, 2827-2832.	3.9	117
25	Miocene Radiation of Deep-Sea Hydrothermal Vent Shrimp (Caridea: Bresiliidae): Evidence from Mitochondrial Cytochrome Oxidase Subunit I. Molecular Phylogenetics and Evolution, 1999, 13, 244-254.	2.7	113
26	Molecular Evidence that Sclerolinum brattstromi Is Closely Related to Vestimentiferans, not to Frenulate Pogonophorans (Siboglinidae, Annelida). Biological Bulletin, 2001, 201, 65-75.	1.8	111
27	Mitochondrial Genome and Nuclear Sequence Data Support Myzostomida As Part of the Annelid Radiation. Molecular Biology and Evolution, 2007, 24, 1690-1701.	8.9	98
28	Phylogeny, biogeography, and species boundaries within the Alexandrium minutum group. Harmful Algae, 2005, 4, 1004-1020.	4.8	91
29	Mitochondrial evolution and phylogeography in the hydrozoan Obelia geniculata (Cnidaria). Marine Biology, 2005, 146, 213-222.	1.5	90
30	Molecular clocks indicate turnover and diversification of modern coleoid cephalopods during the Mesozoic Marine Revolution. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162818.	2.6	86
31	Evidence from Hox genes that bryozoans are lophotrochozoans. Evolution & Development, 2004, 6, 275-281.	2.0	84
32	Multiple Substitutions Affect the Phylogenetic Utility of Cytochrome b and 12S rDNA Data: Examining a Rapid Radiation in Leporid (Lagomorpha) Evolution. Journal of Molecular Evolution, 1999, 48, 369-379.	1.8	83
33	Molecular phylogeny of hemichordata, with updated status of deep-sea enteropneusts. Molecular Phylogenetics and Evolution, 2009, 52, 17-24.	2.7	79
34	Patterns, processes and vulnerability of Southern Ocean benthos: a decadal leap in knowledge and understanding. Marine Biology, 2013, 160, 2295-2317.	1.5	79
35	DNA, PCR and formalinized animal tissue ? a short review and protocols. Organisms Diversity and Evolution, 2003, 3, 195-205.	1.6	78
36	Group II Introns Break New Boundaries: Presence in a Bilaterian's Genome. PLoS ONE, 2008, 3, e1488.	2.5	78

#	Article	IF	Citations
37	CytochromebPhylogeny of North American Hares and Jackrabbits (Lepus,Lagomorpha) and the Effects of Saturation in Outgroup Taxa. Molecular Phylogenetics and Evolution, 1999, 11, 213-221.	2.7	77
38	Mitochondrial Genomes of Clymenella torquata (Maldanidae) and Riftia pachyptila (Siboglinidae): Evidence for Conserved Gene Order in Annelida. Molecular Biology and Evolution, 2005, 22, 210-222.	8.9	77
39	Detecting possibly saturated positions in 18S and 28S sequences and their influence on phylogenetic reconstruction of Annelida (Lophotrochozoa). Molecular Phylogenetics and Evolution, 2008, 48, 628-645.	2.7	75
40	Phylogeny of the bristle worm family Eunicidae (Eunicida, Annelida) and the phylogenetic utility of noncongruent 16S, COI and 18S in combined analyses. Molecular Phylogenetics and Evolution, 2010, 55, 660-676.	2.7	75
41	Testing Hypotheses of Chaetognath Origins: Long Branches Revealed by 18S Ribosomal DNA. Systematic Biology, 1996, 45, 223-246.	5.6	73
42	Meiofaunal community analysis by high-throughput sequencing: Comparison of extraction, quality filtering, and clustering methods. Marine Genomics, 2015, 23, 67-75.	1.1	72
43	Genetic diversity of Nymphon (Arthropoda: Pycnogonida: Nymphonidae) along the Antarctic Peninsula with a focus on Nymphon australe Hodgson 1902. Marine Biology, 2008, 155, 315-323.	1.5	68
44	Phylogenetic analysis with multiple markers indicates repeated loss of the adult medusa stage in Campanulariidae (Hydrozoa, Cnidaria). Molecular Phylogenetics and Evolution, 2006, 38, 820-834.	2.7	67
45	Unsegmented Annelids? Possible Origins of Four Lophotrochozoan Worm Taxa. Integrative and Comparative Biology, 2002, 42, 678-684.	2.0	65
46	Detecting the symplesiomorphy trap: a multigene phylogenetic analysis of terebelliform annelids. BMC Evolutionary Biology, 2011, 11, 369.	3.2	64
47	Molecular Phylogeny of the Model Annelid Ophryotrocha. Biological Bulletin, 2001, 201, 193-203.	1.8	63
48	Mitogenomics reveals phylogeny and repeated motifs in control regions of the deep-sea family Siboglinidae (Annelida). Molecular Phylogenetics and Evolution, 2015, 85, 221-229.	2.7	62
49	Convergence in the Feeding Apparatuses of Lophophorates and Pterobranch Hemichordates Revealed by 18S rDNA: An Interpretation. Biological Bulletin, 1996, 190, 1-5.	1.8	59
50	Phylogenomics supports Panpulmonata: Opisthobranch paraphyly and key evolutionary steps in a major radiation of gastropod molluscs. Molecular Phylogenetics and Evolution, 2013, 69, 764-771.	2.7	59
51	Unrecognized Antarctic Biodiversity: A Case Study of the Genus Odontaster (Odontasteridae;) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	57
52	Evolutionary history of Southern Ocean Odontaster sea star species (Odontasteridae; Asteroidea). Polar Biology, 2011, 34, 575-586.	1.2	57
53	Biogeochemical and Microbial Variation across 5500 km of Antarctic Surface Sediment Implicates Organic Matter as a Driver of Benthic Community Structure. Frontiers in Microbiology, 2016, 7, 284.	3.5	57
54	Who Let the CAT Out of the Bag? Accurately Dealing with Substitutional Heterogeneity in Phylogenomic Analyses. Systematic Biology, 2017, 66, syw084.	5.6	57

#	Article	IF	Citations
55	Phylogenomics offers resolution of major tunicate relationships. Molecular Phylogenetics and Evolution, 2018, 121, 166-173.	2.7	56
56	New data from Monoplacophora and a carefully-curated dataset resolve molluscan relationships. Scientific Reports, 2020, 10, 101.	3.3	56
57	Diversity and Ancestry of Flatworms Infecting Blood of Nontetrapod Craniates â€œFishesâ€ Advances in Parasitology, 2014, 85, 1-64.	3.2	54
58	A sisterly dispute. Nature, 2016, 529, 286-287.	27.8	54
59	Competition Between Sexual and Parthenogenetic Artemia: a Re-Evaluation (Branchiopoda, Anostraca). Crustaceana, 1989, 57, 57-71.	0.3	53
60	Salinity-stimulated changes in expression and activity of two carbonic anhydrase isoforms in the blue crab Callinectes sapidus. Journal of Experimental Biology, 2007, 210, 2320-2332.	1.7	52
61	On the phylogenetic position of Myzostomida: Can 77 genes get it wrong?. BMC Evolutionary Biology, 2009, 9, 150.	3.2	52
62	Toll-like receptor pathway evolution in deuterostomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7055-7060.	7.1	49
63	Range shifts and species diversity in marine ecosystem engineers: patterns and predictions for European sedimentary habitats. Global Ecology and Biogeography, 2010, 19, 223-232.	5.8	48
64	Siboglinid evolution shaped by habitat preference and sulfide tolerance. Hydrobiologia, 2003, 496, 199-205.	2.0	46
65	Suspension Feeding by the Lophophore-like Apparatus of the Pterobranch Hemichordate Rhabdopleura normani. Biological Bulletin, 1993, 185, 417-427.	1.8	45
66	A review of molecular markers used for Annelid phylogenetics. Integrative and Comparative Biology, 2006, 46, 533-543.	2.0	44
67	Endosymbionts of<i>Siboglinum fiordicum</i>and the Phylogeny of Bacterial Endosymbionts in Siboglinidae (Annelida). Biological Bulletin, 2008, 214, 135-144.	1.8	44
68	Rapid evolution of the compact and unusual mitochondrial genome in the ctenophore, Pleurobrachia bachei. Molecular Phylogenetics and Evolution, 2012, 63, 203-207.	2.7	44
69	A scaleless scale worm: Molecular evidence for the phylogenetic placement ofPisione remota(Pisionidae, Annelida)Published in collaboration with the University of Bergen and the Institute of Marine Research, Norway, and the Marine Biological Laboratory, University of Copenhagen, Denmark. Marine Biology Research, 2005, 1, 243-253.	0.7	42
70	Toward a mechanistic understanding of larval dispersal: insights from genomic fingerprinting of the deep-sea hydrothermal vent tubeworm Riftia pachyptila. Marine Ecology, 2007, 28, 25-35.	1.1	42
71	Phylogenetic information from three mitochondrial genomes of Terebelliformia (Annelida) worms and duplication of the methionine tRNA. Gene, 2008, 416, 11-21.	2.2	42
72	Reconciling taxonomy and phylogeny in the bristleworm family <scp>E</scp>unicidae (polychaete,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	42

#	Article	IF	Citations
73	Lagomorphs Misplaced by More Characters and Fewer Taxa. Systematic Biology, 1998, 47, 138-146.	5.6	41
74	DNA uncovers Antarctic nemertean biodiversity and exposes a decades-old cold case of asymmetric inventory. Polar Biology, 2010, 33, 193-202.	1.2	40
75	Employing Phylogenomics to Resolve the Relationships among Cnidarians, Ctenophores, Sponges, Placozoans, and Bilaterians. Integrative and Comparative Biology, 2015, 55, 1084-1095.	2.0	40
76	Holopelagic Poeobius meseres (â€œPoeobiidae,â€•Annelida) Is Derived From Benthic Flabelligerid Worms. Biological Bulletin, 2005, 208, 213-220.	1.8	39
77	Testing biological control of colonization by vestimentiferan tubeworms at deep-sea hydrothermal vents (East Pacific Rise, 9Â°50â€²N). Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 225-234.	1.4	38
78	The ctenophore lineage is older than sponges? That cannot be right! Or can it?. Journal of Experimental Biology, 2015, 218, 592-597.	1.7	38
79	Considerations for Reconstructing Metazoan History: Signal, Resolution, and Hypothesis Testing. American Zoologist, 1998, 38, 929-941.	0.7	37
80	Metabarcoding reveals environmental factors influencing spatioâ€temporal variation in pelagic microâ€eukaryotes. Molecular Ecology, 2016, 25, 3593-3604.	3.9	37
81	Phylogenetic Relationships of Cottontails (Sylvilagus,Lagomorpha): Congruence of 12S rDNA and Cytogenetic Data. Molecular Phylogenetics and Evolution, 1997, 7, 294-302.	2.7	36
82	Molecular phylogeny of siboglinid annelids (a.k.a. pogonophorans): a review. Hydrobiologia, 2005, 535-536, 297-307.	2.0	36
83	Miscues misplace sponges. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E946-7.	7.1	36
84	Challenging Dogma Concerning Biogeographic Patterns of Antarctica and the Southern Ocean. Annual Review of Ecology, Evolution, and Systematics, 2018, 49, 355-378.	8.3	34
85	Phylogenomic analyses reveal a Palaeozoic radiation and support a freshwater origin for clitellate annelids. Zoologica Scripta, 2020, 49, 614-640.	1.7	34
86	Genetic Differences Within and Between Species of Deep-Sea Crabs (Chaceon) From the North Atlantic Ocean. Biological Bulletin, 2003, 204, 318-326.	1.8	33
87	Phylogenomics of tubeworms (Siboglinidae, Annelida) and comparative performance of different reconstruction methods. Zoologica Scripta, 2017, 46, 200-213.	1.7	33
88	Endosymbiont genomes yield clues of tubeworm success. ISME Journal, 2018, 12, 2785-2795.	9.8	33
89	Genomic adaptations to chemosymbiosis in the deep-sea seep-dwelling tubeworm Lamellibrachia luymesi. BMC Biology, 2019, 17, 91.	3.8	33
90	High-Throughput Sequencing Characterizes Intertidal Meiofaunal Communities in Northern Gulf of Mexico (Dauphin Island and Mobile Bay, Alabama). Biological Bulletin, 2014, 227, 161-174.	1.8	32

#	Article	IF	Citations
91	Phylogenetic evidence that both ancient vicariance and dispersal have contributed to the biogeographic patterns of anchialine cave shrimps. Scientific Reports, 2017, 7, 2852.	3.3	32
92	Mitogenomics reveals phylogenetic relationships of Arcoida (Mollusca, Bivalvia) and multiple independent expansions and contractions in mitochondrial genome size. Molecular Phylogenetics and Evolution, 2020, 150, 106857.	2.7	32
93	Genetic similarity between Boccardia proboscidea from Western North America and cultured abalone, Haliotis midae, in South Africa. Aquaculture, 2009, 294, 18-24.	3.5	31
94	Regional differentiation and extensive hybridization between mitochondrial clades of the Southern Ocean giant sea spider <i>Colossendeis megalonyx</i>. Royal Society Open Science, 2015, 2, 140424.	2.4	30
95	Geographic structure in the Southern Ocean circumpolar brittle star Ophionotus victoriae (Ophiuridae) revealed from mt DNA and singleâ€nucleotide polymorphism data. Ecology and Evolution, 2017, 7, 475-485.	1.9	30
96	Phylogeography of the Antarctic planktotrophic brittle star Ophionotus victoriae reveals genetic structure inconsistent with early life history. Marine Biology, 2010, 157, 1693-1704.	1.5	29
97	Adaptive radiation in extremophilic Dorvilleidae (Annelida): diversification of a single colonizer or multiple independent lineages?. Ecology and Evolution, 2012, 2, 1958-1970.	1.9	29
98	Dinophilidae (Annelida) is most likely not a progenetic Eunicida: Evidence from 18S and 28S rDNA. Molecular Phylogenetics and Evolution, 2005, 37, 619-623.	2.7	28
99	The Global Diversity of Hemichordata. PLoS ONE, 2016, 11, e0162564.	2.5	28
100	Phylogenomic analyses of Crassiclitellata support major Northern and Southern Hemisphere clades and a Pangaean origin for earthworms. BMC Evolutionary Biology, 2017, 17, 123.	3.2	27
101	Discrete genetic boundaries of threeStreblospio(Spionidae, Annelida) species and the status ofS. shrubsolii. Marine Biology Research, 2009, 5, 172-178.	0.7	26
102	Modern Antarctic acorn worms form tubes. Nature Communications, 2013, 4, 2738.	12.8	26
103	Assessment of the Cape Cod Phylogeographic Break Using the Bamboo Worm Clymenella torquata Reveals the Role of Regional Water Masses in Dispersal. Journal of Heredity, 2009, 100, 86-96.	2.4	25
104	Hemichordate Molecular Phylogeny Reveals a Novel Cold-Water Clade of Harrimaniid Acorn Worms. Biological Bulletin, 2013, 225, 194-204.	1.8	25
105	Depth-dependent gene flow in Gulf of Mexico cold seep Lamellibrachia tubeworms (Annelida,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	25
106	Antarctic ecosystem responses following iceâ€shelf collapse and iceberg calving: Science review and future research. Wiley Interdisciplinary Reviews: Climate Change, 2021, 12, .	8.1	25
107	Molecules reject an opheliid affinity for<i>Travisia</i>(Annelida). Systematics and Biodiversity, 2010, 8, 507-512.	1.2	24
108	Two new species of Elopicola (Digenea: Aporocotylidae) from Hawaiian ladyfish, Elops hawaiensis (Eastern Sea) and Atlantic tarpon, Megalops atlanticus (Gulf of Mexico) with a comment on monophyly of elopomorph blood flukes. Parasitology International, 2017, 66, 305-318.	1.3	24

#	Article	IF	Citations
109	Crossing the Divide: Admixture Across the Antarctic Polar Front Revealed by the Brittle Star<i>Astrotoma agassizii</i>. Biological Bulletin, 2017, 232, 198-211.	1.8	24
110	Testing Hypotheses of Chaetognath Origins: Long Branches Revealed by 18S Ribosomal DNA. Systematic Biology, 1996, 45, 223.	5.6	24
111	A brief review of holopelagic annelids. Integrative and Comparative Biology, 2007, 47, 872-879.	2.0	22
112	Phylogeography and reproductive variation of the poecilogonous polychaete<i><scp>B</scp>occardia</i><i>proboscidea</i>(<scp>A</scp>nnelida:<scp>S</scp>pionidae) along the<scp>W</scp>est<scp>C</scp>oast of<scp>N</scp>orth<scp>A</scp>merica. Evolution & Development, 2011, 13, 489-503.	2.0	22
113	Nemertean Toxin Genes Revealed through Transcriptome Sequencing. Genome Biology and Evolution, 2014, 6, 3314-3325.	2.5	22
114	Repurposed Transcriptomic Data Facilitate Discovery of Innate Immunity Toll-Like Receptor (TLR) Genes Across Lophotrochozoa. Biological Bulletin, 2014, 227, 201-209.	1.8	22
115	Phylogenomics of Aplacophora (Mollusca, Aculifera) and a solenogaster without a foot. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190115.	2.6	22
116	The phylogeny of Nereididae (Annelida) based on mitochondrial genomes. Zoologica Scripta, 2020, 49, 366-378.	1.7	22
117	How our view of animal phylogeny was reshaped by molecular approaches: lessons learned. Organisms Diversity and Evolution, 2016, 16, 319-328.	1.6	21
118	Multiple introns in a deep-sea Annelid (Decemunciger: Ampharetidae) mitochondrial genome. Scientific Reports, 2017, 7, 4295.	3.3	21
119	Riverscape genetic variation, migration patterns, and morphological variation of the threatened Round Rocksnail, <i>Leptoxis ampla</i>. Molecular Ecology, 2019, 28, 1593-1610.	3.9	21
120	Life in wood: preliminary phylogeny of deep-sea wood-boring bivalves (Xylophagaidae), with descriptions of three new genera and one new species. Journal of Molluscan Studies, 2019, 85, 232-243.	1.2	21
121	Diversity and distribution within the sea spider genus Pallenopsis (Chelicerata: Pycnogonida) in the Western Antarctic as revealed by mitochondrial DNA. Polar Biology, 2016, 39, 677-688.	1.2	20
122	Mitogenomics Reveals a Novel Genetic Code in Hemichordata. Genome Biology and Evolution, 2019, 11, 29-40.	2.5	20
123	Molecular Phylogeny and Biogeography of the Genus Pseudomma (Peracarida: Mysida). Journal of Crustacean Biology, 2004, 24, 541-557.	0.8	19
124	Siboglinid-bacteria endosymbiosis. Communicative and Integrative Biology, 2008, 1, 163-166.	1.4	19
125	Discovery of Novel Hemocyanin-Like Genes in Metazoans. Biological Bulletin, 2018, 235, 134-151.	1.8	19
126	Test of the monophyly of Odostomiinae and Turbonilliinae (Gastropoda, Heterobranchia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (P	1.7	18

#	Article	IF	Citations
127	When molecules support morphology: Phylogenetic reconstruction of the family Onuphidae (Eunicida, Annelida) based on 16S rDNA and 18S rDNA. Molecular Phylogenetics and Evolution, 2016, 94, 791-801.	2.7	18
128	Conservation of mitochondrial genome arrangements in brittle stars (Echinodermata, Ophiuroidea). Molecular Phylogenetics and Evolution, 2019, 130, 115-120.	2.7	18
129	Mitogenomics reveals phylogenetic relationships of caudofoveate aplacophoran molluscs. Molecular Phylogenetics and Evolution, 2018, 127, 429-436.	2.7	17
130	Sequencing Disparity in the Genomic Era. Molecular Biology and Evolution, 2019, 36, 1624-1627.	8.9	17
131	Relationships of Higher Molluscan Taxa. , 2008, , 18-32.		16
132	Rhachotropis (Eusiroidea, Amphipoda) from the North East Atlantic. ZooKeys, 2018, 731, 75-101.	1.1	16
133	A Brief Review of Metazoan Phylogeny and Future Prospects in Hox-Research. American Zoologist, 2001, 41, 629-639.	0.7	15
134	The Hox gene complement of a pelagic chaetognath, Flaccisagitta enflata. Integrative and Comparative Biology, 2007, 47, 854-864.	2.0	15
135	Genetic assessment of meiobenthic community composition and spatial distribution in coastal sediments along northern Gulf of Mexico. Marine Environmental Research, 2016, 119, 166-175.	2.5	15
136	A new species of xylophilic fireworm (Annelida: Amphinomidae: Cryptonome) from deep-sea wood falls in the SW Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 137, 66-75.	1.4	15
137	A new species of Spirorchis MacCallum, 1918 (Digenea: Schistosomatoidea) and Spirorchis cf. scripta from chicken turtle, Deirochelys reticularia (Emydidae), with an emendation and molecular phylogeny of Spirorchis. Folia Parasitologica, 2016, 63, .	1.3	15
138	Grand challenges in organismal biology: The need to develop both theory and resources. Integrative and Comparative Biology, 2009, 49, 475-479.	2.0	14
139	Molecular phylogenies challenge the classification of Polymastiidae (Porifera, Demospongiae) based on morphology. Organisms Diversity and Evolution, 2017, 17, 45-66.	1.6	13
140	Patterns of gene evolution following duplications and speciations in vertebrates. PeerJ, 2020, 8, e8813.	2.0	13
141	Introduction to the Symposium: Evolutionary Relationships of Metazoan Phyla: Advances, Problems, and Approaches. American Zoologist, 1998, 38, 813-817.	0.7	12
142	Origins of holopelagic Typhloscolecidae and Lopadorhynchidae within Phyllodocidae (Phyllodocida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	12
143	Phylogeography of the horse mussel<i>Modiolus modiolus</i>. Journal of the Marine Biological Association of the United Kingdom, 2013, 93, 1857-1869.	0.8	12
144	Discovery and evolution of novel hemerythrin genes in annelid worms. BMC Evolutionary Biology, 2017, 17, 85.	3.2	12

#	Article	IF	Citations
145	Diversity, Distribution and Phylogeny of Hesionidae (Annelida) Colonizing Whale Falls: New Species of Sirsoe and Connections Between Ocean Basins. Frontiers in Marine Science, 2019, 6, .	2.5	12
146	Newly Discovered Occurrences and Gene Tree of the Extracellular Globins and Linker Chains from the Giant Hexagonal Bilayer Hemoglobin in Metazoans. Genome Biology and Evolution, 2019, 11, 597-612.	2.5	12
147	A Brief Review of Metazoan Phylogeny and Future Prospects in Hox-Research1. American Zoologist, 2001, 41, 629-639.	0.7	11
148	Invertebrates; Invertebrate Zoology: A Functional Evolutionary Approach. Systematic Biology, 2004, 53, 662-664.	5.6	11
149	Blood flukes of Asiatic softshell turtles: revision of Coeuritrema Mehra, 1933 (Digenea:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 (Trionychidae), from Vietnam. Folia Parasitologica, 2016, 63, .	1.3	11
150	Mitochondrial DNA Sequence Relationships of the Extinct Blue Antelope Hippotragus leucophaeus. Die Naturwissenschaften, 1996, 83, 178-182.	1.6	11
151	Spatial and temporal variation of intertidal nematodes in the northern Gulf of Mexico after the Deepwater Horizon oil spill. Marine Environmental Research, 2017, 130, 200-212.	2.5	10
152	Short Note: Life history of the Antarctic sea star Labidiaster annulatus (Asteroidea: Labidiasteridae) revealed by DNA barcoding. Antarctic Science, 2008, 20, 563-564.	0.9	9
153	Broad Phylogenetic Occurrence of the Oxygen-Binding Hemerythrins in Bilaterians. Genome Biology and Evolution, 2017, 9, 2580-2591.	2.5	9
154	Diversity and phylogenetic relationships of North Atlantic Laonice Malmgren, 1867 (Spionidae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.0	9
155	Compositional Differences in the Habitat-Forming Bryozoan Communities of the Antarctic Shelf. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	9
156	A New Species of<i>Spirorchis</i>MacCallum, 1918, (Digenea: Schistosomatoidea) and<i>Spirorchis scripta</i>Stunkard, 1923, Infecting River Cooter,<i>Pseudemys concinna</i>(Le Conte, 1830), (Testudines: Emydidae) in the Pascagoula River, Mississippi, U.S.A., Including an Updated Phylogeny for<i>Spirorchis</i>spp.. Comparative Parasitology, 2018, 85, 120-132.	0.4	8
157	Molecular phylogeny of Caudofoveata (Mollusca) challenges traditional views. Molecular Phylogenetics and Evolution, 2019, 132, 138-150.	2.7	8
158	Evolutionary History of the Globin Gene Family in Annelids. Genome Biology and Evolution, 2020, 12, 1719-1733.	2.5	8
159	Molecular phylogeny of siboglinid annelids (a.k.a. pogonophorans): a review. , 2005, , 297-307.		8
160	Response: Lophophorate Phylogeny. Science, 1996, 272, 283-283.	12.6	7
161	Reconstruction of Cyclooxygenase Evolution in Animals Suggests Variable, Lineage-Specific Duplications, and Homologs with Low Sequence Identity. Journal of Molecular Evolution, 2015, 80, 193-208.	1.8	7
162	Emendation and new species of Hapalorhynchus Stunkard, 1922 (Digenea: Schistosomatoidea) from musk turtles (Kinosternidae: Sternotherus) in Alabama and Florida rivers. Parasitology International, 2017, 66, 748-760.	1.3	7

#	Article	IF	Citations
163	A new genus and species of turtle blood fluke (Digenea: Schistosomatoidea) from the Mekong snail-eating turtle, Malayemys subtrijuga (Schlegel & MÃ¼ller) (Testudines: Geoemydidae) in Vietnam, with a reassessment of related Asiatic turtle blood flukes and molecular phylogeny. Systematic Parasitology, 2018, 95, 133-145.	1.1	7
164	Spirorchis spp. (Digenea: Schistosomatoidea) infecting map turtles (Cryptodira: Emydidae: Graptemys) Tj ETQq0 0 0 rgBT /Overlock 10 T Systematic Parasitology, 2019, 96, 51-64.	1.1	7
165	Different phylogenomic methods support monophyly of enigmatic â€˜Mesozoaâ€™ (Dicyemida +) Tj ETQq1 1 0.784314 rgBT /Overlock	2.6	7
166	Na⁺/K⁺â€‹<scp>ATP</scp>ase gene duplications in clitellate annelids are associated with freshwater colonization. Journal of Evolutionary Biology, 2019, 32, 580-591.	1.7	6
167	Seeing stars: a molecular and morphological investigation into the evolutionary history of Odontasteridae (Asteroidea) with description of a new species from the Galapagos Islands. Marine Biology, 2013, 160, 821-841.	1.5	5
168	Diversity and systematics of philinid snails (Gastropoda: Cephalaspidea) in West Africa with remarks on the biogeography of the region. Zoological Journal of the Linnean Society, 2016, , .	2.3	5
169	Evolution of Sulfur Binding by Hemoglobin in Siboglinidae (Annelida) with Special Reference to Bone-Eating Worms, Osedax. Journal of Molecular Evolution, 2016, 82, 219-229.	1.8	5
170	Genome evolution: Shellfish genes. Nature Ecology and Evolution, 2017, 1, 142.	7.8	5
171	Genome-wide characterization of LTR retrotransposons in the non-model deep-sea annelid Lamellibrachia luymesi. BMC Genomics, 2021, 22, 466.	2.8	5
172	TIAMMAt: Leveraging Biodiversity to Revise Protein Domain Models, Evidence from Innate Immunity. Molecular Biology and Evolution, 2021, 38, 5806-5818.	8.9	5
173	Molecular dating of the blood pigment hemocyanin provides new insight into the origin of animals. Geobiology, 2022, 20, 333-345.	2.4	5
174	Metagenomics of Antarctic Marine Sediment Reveals Potential for Diverse Chemolithoautotrophy. MSphere, 2021, 6, e0077021.	2.9	5
175	Phylogeny and Cryptic Diversity of Diopatra (Onuphidae, Annelida) in the East Atlantic. Biology, 2022, 11, 327.	2.8	5
176	River Flow Impacts Bacterial and Archaeal Community Structure in Surface Sediments in the Northern Gulf of Mexico. Microbial Ecology, 2018, 76, 941-953.	2.8	4
177	Prefaceâ€"biodiversity of Icelandic waters. Marine Biodiversity, 2018, 48, 715-718.	1.0	4
178	Unrecognized diversity of a scale worm,Polyeunoa laevis(Annelida: Polynoidae), that feeds on soft coral. Zoologica Scripta, 2020, 49, 236-249.	1.7	4
179	Spatial proximity between polyploids across South American frog genera. Journal of Biogeography, 2021, 48, 991-1000.	3.0	4
180	Siboglinid evolution shaped by habitat preference and sulfide tolerance. , 2003, , 199-205.		4

#	Article	IF	Citations
181	Neotropical Turtle Blood Flukes: Two New Genera and Species from the Amazon River Basin with a Key to Genera and Comments on a Marine-Derived Parasite Lineage in South America. Journal of Parasitology, 2019, 105, 497-523.	0.7	4
182	Seasonal occurrence of balanomorph barnacle nauplius larvae in the region of the Antarctic Peninsula. Journal of Experimental Marine Biology and Ecology, 2010, 392, 125-128.	1.5	3
183	Genome size estimates for Aplacophora, Polyplacophora and Scaphopoda: small solenogasters and sizeable scaphopods: TableÂ1.. Journal of Molluscan Studies, 2015, , eyv054.	1.2	3
184	Mitochondrial genome of Dinophilus gyrociliatus (Annelida: Dinophilidae). Mitochondrial DNA Part B: Resources, 2017, 2, 831-832.	0.4	3
185	Feature frequency profile-based phylogenies are inaccurate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31580-31581.	7.1	3
186	Scanning Electron Microscopy Observations of <i>Loa loa</i> (Nematoda). Case Reports in Ophthalmology, 2020, 11, 486-492.	0.7	3
187	A mesopelagic ctenophore representing a new family, with notes on family-level taxonomy in Ctenophora: Vampyroctena delmarvensis gen. nov. sp. nov. (Vampyroctenidae, fam. nov.). Marine Biodiversity, 2020, 50, 1.	1.0	3
188	Discovering Diversity with High-Throughput Approaches: Introduction to a Virtual Symposium in The Biological Bulletin. Biological Bulletin, 2014, 227, 91-92.	1.8	2
189	The impact of aquaculture on the genetics and distribution of the onuphid annelid Diopatra biscayensis. Ecology and Evolution, 2021, 11, 6184-6194.	1.9	2
190	Assessing genomic diversity, connectivity, and riverscape genetics hypotheses in the endangered Rough Hornsnail, Pleurocera foremani, following habitat disruption. Journal of Heredity, 2021, , .	2.4	2
191	Contrasting Modes of Mitochondrial Genome Evolution in Sister Taxa of Wood-Eating Marine Bivalves (Teredinidae and Xylophagaidae). Genome Biology and Evolution, 2022, 14, .	2.5	2
192	8. Pterobranchia. , 2018, , 283-298.		1
193	9. Enteropneusta. , 2018, , 299-326.		1
194	New NSF policy will stifle innovation. Science, 2018, 362, 297-298.	12.6	1
195	Mitochondrial genome of Parborlasia corrugatus (Nemertea: Lineidae). Mitochondrial DNA Part B: Resources, 2019, 4, 332-334.	0.4	1
196	Integrative taxonomy of West African <i>Magelona</i> (Annelida: Magelonidae): species with thoracic pigmentation. Zoological Journal of the Linnean Society, 2022, 194, 1134-1176.	2.3	1