Kevin M Kocot

List of Publications by Year
in descending order

58	3,860	218381	143772
papers	citations	26 h-index	57 g-index

66	66	66	3885
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ctenophore genome and the evolutionary origins of neural systems. Nature, 2014, 510, 109-114.	13.7	606
2	Phylogenomics reveals deep molluscan relationships. Nature, 2011, 477, 452-456.	13.7	420
3	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.	3.3	279
4	Spider phylogenomics: untangling the Spider Tree of Life. PeerJ, 2016, 4, e1719.	0.9	253
5	Revisiting metazoan phylogeny with genomic sampling of all phyla. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190831.	1.2	229
6	Ctenophore relationships and their placement as the sister group to all other animals. Nature Ecology and Evolution, 2017, 1, 1737-1746.	3.4	202
7	Phylogenomics of Lophotrochozoa with Consideration of Systematic Error. Systematic Biology, 2017, 66, syw079.	2.7	164
8	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	13.7	157
9	Sea shell diversity and rapidly evolving secretomes: insights into the evolution of biomineralization. Frontiers in Zoology, 2016, 13, 23.	0.9	144
10	PhyloTreePruner: A Phylogenetic Tree-Based Approach for selection of Orthologous sequences for phylogenomics. Evolutionary Bioinformatics, 2013, 9, EBO.S12813.	0.6	141
11	Phylogenomic Resolution of the Hemichordate and Echinoderm Clade. Current Biology, 2014, 24, 2827-2832.	1.8	117
12	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.	1.2	86
13	Improved phylogenomic sampling of free-living nematodes enhances resolution of higher-level nematode phylogeny. BMC Evolutionary Biology, 2019, 19, 121.	3.2	78
14	Mitogenomics reveals phylogeny and repeated motifs in control regions of the deep-sea family Siboglinidae (Annelida). Molecular Phylogenetics and Evolution, 2015, 85, 221-229.	1.2	62
15	Phylogenomics supports Panpulmonata: Opisthobranch paraphyly and key evolutionary steps in a major radiation of gastropod molluscs. Molecular Phylogenetics and Evolution, 2013, 69, 764-771.	1.2	59
16	On 20Âyears of Lophotrochozoa. Organisms Diversity and Evolution, 2016, 16, 329-343.	0.7	56
17	Phylogenomics offers resolution of major tunicate relationships. Molecular Phylogenetics and Evolution, 2018, 121, 166-173.	1.2	56
18	New data from Monoplacophora and a carefully-curated dataset resolve molluscan relationships. Scientific Reports, 2020, 10, 101.	1.6	56

#	Article	IF	Citations
19	Transcriptomic Evidence for the Expression of Horizontally Transferred Algal Nuclear Genes in the Photosynthetic Sea Slug, Elysia chlorotica. Molecular Biology and Evolution, 2012, 29, 1545-1556.	3.5	54
20	Rapid evolution of the compact and unusual mitochondrial genome in the ctenophore, Pleurobrachia bachei. Molecular Phylogenetics and Evolution, 2012, 63, 203-207.	1.2	44
21	The Iron-Responsive Genome of the Chiton Acanthopleura granulata. Genome Biology and Evolution, 2021, 13, .	1.1	42
22	Employing Phylogenomics to Resolve the Relationships among Cnidarians, Ctenophores, Sponges, Placozoans, and Bilaterians. Integrative and Comparative Biology, 2015, 55, 1084-1095.	0.9	40
23	Recent Advances and Unanswered Questions in Deep Molluscan Phylogenetics[*]. American Malacological Bulletin, 2013, 31, 195-208.	0.2	37
24	Miscues misplace sponges. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E946-7.	3.3	36
25	Phylogenomics of tubeworms (Siboglinidae, Annelida) and comparative performance of different reconstruction methods. Zoologica Scripta, 2017, 46, 200-213.	0.7	33
26	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.	1.2	32
27	Step-wise evolution of complex chemical defenses in millipedes: a phylogenomic approach. Scientific Reports, 2018, 8, 3209.	1.6	31
28	Phylogenomic Analysis of the Phylum Nematoda: Conflicts and Congruences With Morphology, 18S rRNA, and Mitogenomes. Frontiers in Ecology and Evolution, 2022, 9, .	1.1	28
29	Nemertean Toxin Genes Revealed through Transcriptome Sequencing. Genome Biology and Evolution, 2014, 6, 3314-3325.	1.1	22
30	Repurposed Transcriptomic Data Facilitate Discovery of Innate Immunity Toll-Like Receptor (TLR) Genes Across Lophotrochozoa. Biological Bulletin, 2014, 227, 201-209.	0.7	22
31	Phylogenomics of Aplacophora (Mollusca, Aculifera) and a solenogaster without a foot. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190115.	1.2	22
32	Benchmarking Oxford Nanopore read assemblers for high-quality molluscan genomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200160.	1.8	22
33	Mitogenomics Reveals a Novel Genetic Code in Hemichordata. Genome Biology and Evolution, 2019, 11, 29-40.	1.1	20
34	Conservation of mitochondrial genome arrangements in brittle stars (Echinodermata, Ophiuroidea). Molecular Phylogenetics and Evolution, 2019, 130, 115-120.	1.2	18
35	Mitogenomics reveals phylogenetic relationships of caudofoveate aplacophoran molluscs. Molecular Phylogenetics and Evolution, 2018, 127, 429-436.	1.2	17
36	Phylogenomics confirms monophyly of Nudipleura (Gastropoda: Heterobranchia). Journal of Molluscan Studies, 2018, 84, 259-265.	0.4	12

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37	New Records for The Solenogaster Proneomenia Sluiteri (Mollusca) from Icelandic Waters and Description of Proneomenia Custodiens sp. n.. Polish Polar Research, 2014, 35, 291-310.	0.9	11
38	Immunofluorescence localization of the tubulin cytoskeleton during cell division and cell growth in members of the <scp>C</scp>oleochaetales (<scp>S</scp>treptophyta). Journal of Phycology, 2014, 50, 624-639.	1.0	11
39	Three new meiofaunal solenogaster species (Mollusca: Aplacophora) from the north-east Pacific. Journal of Natural History, 2014, 48, 3007-3031.	0.2	10
40	Hard and Soft Anatomy in Two Genera of Dondersiidae (Mollusca, Aplacophora, Solenogastres). Biological Bulletin, 2012, 222, 233-269.	0.7	9
41	First insights into the phylogeny of deep-sea glass sponges (Hexactinellida) from polymetallic nodule fields in the Clarion-Clipperton Fracture Zone (CCFZ), northeastern Pacific. Hydrobiologia, 2018, 811, 283-293.	1.0	9
42	Assessment of mitochondrial genomes for heterobranch gastropod phylogenetics. Bmc Ecology and Evolution, 2021, 21, 6.	0.7	9
43	Phylogenomic resolution of the root of Panpulmonata, a hyperdiverse radiation of gastropods: new insight into the evolution of air breathing. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211855.	1.2	9
44	Molecular phylogeny of Caudofoveata (Mollusca) challenges traditional views. Molecular Phylogenetics and Evolution, 2019, 132, 138-150.	1.2	8
45	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.	0.8	7
46	Different phylogenomic methods support monophyly of enigmatic â€˜Mesozoaâ€™ (Dicyemida +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	7
47	Secondary structural modeling of the second internal transcribed spacer (ITS2) from Pfiesteria-like dinoflagellates (Dinophyceae). Harmful Algae, 2009, 8, 441-446.	2.2	6
48	The Discovery and Preliminary Geological and Faunal Descriptions of Three New SteinahÃ³ll Vent Sites, Reykjanes Ridge, Iceland. Frontiers in Marine Science, 2021, 8, .	1.2	6
49	Genome evolution: Shellfish genes. Nature Ecology and Evolution, 2017, 1, 142.	3.4	5
50	Ontogenetic Mechanisms Underlying a Geographic Size Cline in a Grasshopper, <I>Romalea microptera</I>. Annals of the Entomological Society of America, 2009, 102, 467-475.	1.3	4
51	Micromenia amphiatlantica sp. nov.: First solenogaster (Mollusca, Aplacophora) with an amphi-Atlantic distribution and insight into abyssal solenogaster diversity. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 157, 103189.	0.6	4
52	Elucidating Animal Phylogeny. , 2010, , 15-33.		4
53	Genome of the lepidopleurid chiton Hanleya hanleyi (Mollusca, Polyplacophora). F1000Research, 0, 11, 555.	0.8	4
54	Genome size estimates for Aplacophora, Polyplacophora and Scaphopoda: small solenogasters and sizeable scaphopods: TableÂ1.. Journal of Molluscan Studies, 2015, , eyv054.	0.4	3

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55	Computed Microtomography (Micro-CT) in the Anatomical Study and Identification of Solenogastres (Mollusca). Frontiers in Marine Science, 2022, 8, .	1.2	3
56	Innovation in teaching and learning invertebrate zoology in remote and online classrooms. Invertebrate Biology, 2021, 140, .	0.3	2
57	Complete mitochondrial genomes of two scaphopod molluscs. Mitochondrial DNA Part B: Resources, 2019, 4, 3161-3162.	0.2	1
58	Introduction to the AMS Symposium â€œPhylogenomics of Mollusks,â€•82ndAnnual Meeting of the American Malacological Society. American Malacological Bulletin, 2017, 35, 70-72.	0.2	0