Allen G Collins

List of Publications by Year
in descending order

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Version: 2024-02-01

120 papers	8,041 citations	61984 43 h-index	53230 85 g-index
135 all docs	135 docs citations	135 times ranked	6648 citing authors

#	Article	IF	Citations
1	The Magnitude of Global Marine Species Diversity. Current Biology, 2012, 22, 2189-2202.	3.9	797
2	Evaluating hypotheses of basal animal phylogeny using complete sequences of large and small subunit rRNA. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9707-9712.	7.1	354
3	The phylum Cnidaria: A review of phylogenetic patterns and diversity 300 years after Linnaeus* . Zootaxa, 2007, 1668, 127-182.	0.5	348
4	Medusozoan Phylogeny and Character Evolution Clarified by New Large and Small Subunit rDNA Data and an Assessment of the Utility of Phylogenetic Mixture Models. Systematic Biology, 2006, 55, 97-115.	5.6	331
5	Phylogeny of Medusozoa and the evolution of cnidarian life cycles. Journal of Evolutionary Biology, 2002, 15, 418-432.	1.7	300
6	Mitochondrial and Nuclear Genes Suggest that Stony Corals Are Monophyletic but Most Families of Stony Corals Are Not (Order Scleractinia, Class Anthozoa, Phylum Cnidaria). PLoS ONE, 2008, 3, e3222.	2.5	268
7	Cladistic analysis of Medusozoa and cnidarian evolution. Invertebrate Biology, 2004, 123, 23-42.	0.9	240
8	Evaluating multiple alternative hypotheses for the origin of Bilateria: An analysis of 18S rRNA molecular evidence. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15458-15463.	7.1	235
9	Morphological complexity increase in metazoans. Paleobiology, 1994, 20, 131-142.	2.0	232
10	Naked corals: Skeleton loss in Scleractinia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9096-9100.	7.1	221
11	Anthropogenic impacts and historical decline in body size of rocky intertidal gastropods in southern California. Ecology Letters, 2003, 6, 205-211.	6.4	198
12	Phylogenomic Analyses Support Traditional Relationships within Cnidaria. PLoS ONE, 2015, 10, e0139068.	2.5	191
13	Cnidarian phylogenetic relationships as revealed by mitogenomics. BMC Evolutionary Biology, 2013, 13, 5.	3.2	185
14	Phylogenomics provides a robust topology of the major cnidarian lineages and insights on the origins of key organismal traits. BMC Evolutionary Biology, 2018, 18, .	3.2	182
15	Evolution of river dolphins. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 549-556.	2.6	171
16	Specimen collection: An essential tool. Science, 2014, 344, 814-815.	12.6	169
17	Phylogeny and Systematics of Demospongiae in Light of New Small-Subunit Ribosomal DNA (18S) Sequences. Integrative and Comparative Biology, 2013, 53, 388-415.	2.0	138
18	Phylogeny and Evolution of Glass Sponges (Porifera, Hexactinellida). Systematic Biology, 2008, 57, 388-405.	5.6	132

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19	Exceptionally Preserved Jellyfishes from the Middle Cambrian. PLoS ONE, 2007, 2, e1121.	2.5	131
20	Evolution of Linear Mitochondrial Genomes in Medusozoan Cnidarians. Genome Biology and Evolution, 2012, 4, 1-12.	2.5	122
21	Placozoa â€“ no longer a phylum of one. Current Biology, 2004, 14, R944-R945.	3.9	111
22	Reassessment of the phylogenetic position of conulariids (?Ediacaranâ€Triassic) within the subphylum medusozoa (phylum cnidaria). Journal of Systematic Palaeontology, 2006, 4, 109-118.	1.5	105
23	The significance of moulting in Ecdysozoan evolution. Evolution & Development, 2000, 2, 152-156.	2.0	97
24	Phylogeny of Opisthokonta and the evolution of multicellularity and complexity in Fungi and Metazoa. International Journal of Astrobiology, 2003, 2, 203-211.	1.6	97
25	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	2.4	96
26	Evolution of box jellyfish (Cnidaria: Cubozoa), a group of highly toxic invertebrates. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 493-501.	2.6	95
27	Phylogenetics of Hydroidolina (Hydrozoa: Cnidaria). Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 1663-1672.	0.8	92
28	Phylogenetics of Trachylina (Cnidaria: Hydrozoa) with new insights on the evolution of some problematical taxa. Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 1673-1685.	0.8	81
29	Upside-Down but Headed in the Right Direction: Review of the Highly Versatile Cassiopea xamachana System. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	81
30	The importance of standardization for biodiversity comparisons: A case study using autonomous reef monitoring structures (ARMS) and metabarcoding to measure cryptic diversity on Moâ€™orea coral reefs, French Polynesia. PLoS ONE, 2017, 12, e0175066.	2.5	75
31	Fossils and phylogenies: integrating multiple lines of evidence to investigate the origin of early major metazoan lineages. Integrative and Comparative Biology, 2007, 47, 744-751.	2.0	73
32	Global diversity of inland water cnidarians. Hydrobiologia, 2008, 595, 35-40.	2.0	71
33	Evolutionary Relationships Among Scyphozoan Jellyfish Families Based on Complete Taxon Sampling and Phylogenetic Analyses of 18S and 28S Ribosomal DNA. Integrative and Comparative Biology, 2010, 50, 436-455.	2.0	71
34	Defining phyla: evolutionary pathways to metazoan body plans. Evolution & Development, 2001, 3, 432-442.	2.0	68
35	Phylogeny of Capitata and Corynidae (Cnidaria, Hydrozoa) in light of mitochondrial 16S rDNA data. Zoologica Scripta, 2005, 34, 91-99.	1.7	68
36	Nearly Complete 28S rRNA Gene Sequences Confirm New Hypotheses of Sponge Evolution. Integrative and Comparative Biology, 2013, 53, 373-387.	2.0	68

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37	Phylogenetic placement of the enigmatic parasite, Polypodium hydriforme, within the Phylum Cnidaria. BMC Evolutionary Biology, 2008, 8, 139.	3.2	58
38	First Complete Mitochondrial Genome Sequence from a Box Jellyfish Reveals a Highly Fragmented Linear Architecture and Insights into Telomere Evolution. Genome Biology and Evolution, 2012, 4, 52-58.	2.5	57
39	Recent introduction of the dominant tunicate, Pyura praeputialis (Urochordata, Pyuridae) to Antofagasta, Chile. Molecular Ecology, 2002, 11, 1579-1584.	3.9	54
40	Prey preference follows phylogeny: evolutionary dietary patterns within the marine gastropod group Cladobranchia (Gastropoda: Heterobranchia: Nudibranchia). BMC Evolutionary Biology, 2017, 17, 221.	3.2	53
41	Box, stalked, and upside-down? Draft genomes from diverse jellyfish (Cnidaria, Acraspeda) lineages: Alatina alata (Cubozoa), Calvadosia cruxmelitensis (Staurozoa), and Cassiopea xamachana (Scyphozoa). GigaScience, 2019, 8, .	6.4	53
42	Molecular Phylogenies Support Homoplasy of Multiple Morphological Characters Used in the Taxonomy of Heteroscleromorpha (Porifera: Demospongiae). Integrative and Comparative Biology, 2013, 53, 428-446.	2.0	50
43	Reconstruction of Family-Level Phylogenetic Relationships within Demospongiae (Porifera) Using Nuclear Encoded Housekeeping Genes. PLoS ONE, 2013, 8, e50437.	2.5	47
44	Modern mucociliary creeping trails and the bodyplans of Neoproterozoic trace-makers. Paleobiology, 2000, 26, 47-55.	2.0	46
45	Molecules Clarify a Cnidarian Life Cycle â€“ The â€œHydrozoanâ€•Microhydrula limopsicola Is an Early Life Stage of the Staurozoan Haliclystus antarcticus. PLoS ONE, 2010, 5, e10182.	2.5	46
46	Relationships within Cladobranchia (Gastropoda: Nudibranchia) based on RNA-Seq data: an initial investigation. Royal Society Open Science, 2015, 2, 150196.	2.4	44
47	Phylogenetic analysis of higher-level relationships within Hydroidolina (Cnidaria: Hydrozoa) using mitochondrial genome data and insight into their mitochondrial transcription. PeerJ, 2015, 3, e1403.	2.0	43
48	A New Deepwater Species of Stauromedusae,Lucernaria janetae(Cnidaria, Staurozoa, Lucernariidae), and a Preliminary Investigation of Stauromedusan Phylogeny Based on Nuclear and Mitochondrial rDNA Data. Biological Bulletin, 2005, 208, 221-230.	1.8	40
49	Phylogenetic Context and Basal Metazoan Model Systems. Integrative and Comparative Biology, 2005, 45, 585-594.	2.0	38
50	A preliminary phylogeny of Pelagiidae (Cnidaria, Scyphozoa), with new observations of Chrysaora colorata comb. nov.. Journal of Natural History, 2002, 36, 127-148.	0.5	37
51	Systematics of stalked jellyfishes (Cnidaria: Staurozoa). PeerJ, 2016, 4, e1951.	2.0	36
52	A Molecular Phylogeny for the Order Clathrinida Rekindles and Refines Haeckel's Taxonomic Proposal for Calcareous Sponges. Integrative and Comparative Biology, 2013, 53, 447-461.	2.0	33
53	Phylogenetic relationships of Proboscoida Broch, 1910 (Cnidaria, Hydrozoa): Are traditional morphological diagnostic characters relevant for the delimitation of lineages at the species, genus, and family levels?. Molecular Phylogenetics and Evolution, 2017, 106, 118-135.	2.7	33
54	Comparative morphology and evolution of the cnidosac in Cladobranchia (Gastropoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (He	2.0	33

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55	REDUCTIO AD ABSURDUM: TESTING THE EVOLUTIONARY RELATIONSHIPS OF EDIACARAN AND PALEOZOIC PROBLEMATIC FOSSILS USING MOLECULAR DIVERGENCE DATES. Journal of Paleontology, 2004, 78, 51-61.	0.8	32
56	Naming the Bonaire banded box jelly, Tamoya ohboya, n. sp. (Cnidaria: Cubozoa: Carybdeida: Tamoyidae). Zootaxa, 2011, 2753, 53.	0.5	31
57	A new transcriptome and transcriptome profiling of adult and larval tissue in the box jellyfish Alatina alata: an emerging model for studying venom, vision and sex. BMC Genomics, 2016, 17, 650.	2.8	31
58	Multigene phylogeny of the scyphozoan jellyfish family Pelagiidae reveals that the common U.S. Atlantic sea nettle comprises two distinct species (Chrysaora quinquecirrhaandC.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 T	2.0	31
59	Box JellyfishAlatina alataHas a Circumtropical Distribution. Biological Bulletin, 2016, 231, 152-169.	1.8	30
60	The perils of online biogeographic databases: a case study with the â€˜monospecificâ€™ genus Aegina (Cnidaria, Hydrozoa, Narcomedusae). Marine Biology Research, 2017, 13, 494-512.	0.7	30
61	Cassiosomes are stinging-cell structures in the mucus of the upside-down jellyfish Cassiopea xamachana. Communications Biology, 2020, 3, 67.	4.4	29
62	Ellobiopsids of the Genus Thalassomyces are Alveolates. Journal of Eukaryotic Microbiology, 2004, 51, 246-252.	1.7	28
63	Glass sponges (Porifera, Hexactinellida) of the northern Mid-Atlantic Ridge. Marine Biology Research, 2008, 4, 25-47.	0.7	27
64	Fieldable Environmental DNA Sequencing to Assess Jellyfish Biodiversity in Nearshore Waters of the Florida Keys, United States. Frontiers in Marine Science, 2021, 8, .	2.5	27
65	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
66	Putting GenBank Data on the Map. Science, 2013, 341, 1341-1341.	12.6	25
67	The role of taxonomic expertise in interpretation of metabarcoding studies. ICES Journal of Marine Science, 2021, 78, 3397-3410.	2.5	25
68	The importance of molecular characters when morphological variability hinders diagnosability: systematics of the moon jellyfish genusAurelia(Cnidaria: Scyphozoa). PeerJ, 2021, 9, e11954.	2.0	25
69	Phylogenetic placement of Hydra and relationships within Aplanulata (Cnidaria: Hydrozoa). Molecular Phylogenetics and Evolution, 2013, 67, 60-71.	2.7	24
70	A review of the global diversity and natural history of stalked jellyfishes (Cnidaria, Staurozoa). Marine Biodiversity, 2018, 48, 1695-1714.	1.0	23
71	Sexually Dimorphic Cubomedusa Carybdea sivickisi (Cnidaria: Cubozoa) in Seto, Wakayama, Japan. Publications of the Seto Marine Biological Laboratory, 2008, 40, 1-8.	1.4	23
72	Redescription of Alatina alata (Reynaud, 1830) (Cnidaria: Cubozoa) from Bonaire, Dutch Caribbean . Zootaxa, 2013, 3737, 473.	0.5	22

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73	Loss of metagenesis and evolution of a parasitic life style in a group of open-ocean jellyfish. Molecular Phylogenetics and Evolution, 2018, 124, 50-59.	2.7	20
74	Internal anatomy ofHaliclystus antarcticus(Cnidaria, Staurozoa) with a discussion on histological features used in staurozoan taxonomy. Journal of Morphology, 2013, 274, 1365-1383.	1.2	19
75	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
76	Hundreds of genetic barcodes of the species-rich hydroid superfamily Plumularioidea (Cnidaria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.3	19
77	Comparative internal anatomy of Staurozoa (Cnidaria), with functional and evolutionary inferences. PeerJ, 2016, 4, e2594.	2.0	19
78	Jellyfish Antivenoms: Past, Present, and Future. Toxin Reviews, 2003, 22, 115-127.	1.5	17
79	Solution to the phylogenetic enigma of Tetraplatia , a worm-shaped cnidarian. Biology Letters, 2006, 2, 120-124.	2.3	16
80	DNA metabarcoding marker choice skews perception of marine eukaryotic biodiversity. Environmental DNA, 2021, 3, 1229-1246.	5.8	16
81	On the occurrence of freshwater jellyfish in Japan 1928â€“2011: eighty-three years of records ofmamizu kurage(Limnomedusae, Olindiidae). Proceedings of the Biological Society of Washington, 2012, 125, 165-179.	0.3	15
82	A new chondrophorine (Cnidaria, Hydrozoa) from the cadiz formation (Middle Cambrian) of California. Palaontologische Zeitschrift, 1995, 69, 7-17.	1.6	14
83	Haliclystus californiensis, a â€œnewâ€•species of stauromedusa (Cnidaria: Staurozoa) from the northeast Pacific, with a key to the species of Haliclystus. Zootaxa, 2010, 2518, 49.	0.5	13
84	Mycalina: Another Crack in the Poecilosclerida Framework. Integrative and Comparative Biology, 2013, 53, 462-472.	2.0	13
85	IsHaootia quadriformisrelated to extant Staurozoa (Cnidaria)? Evidence from the muscular system reconsidered. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142396.	2.6	13
86	DNA barcodes unite two problematic taxa: the meiobenthic Boreohydra simplex is a life-cycle stage of Plotocnide borealis (Hydrozoa: Aplanulata). Zootaxa, 2016, 4150, 85-92.	0.5	13
87	Phylogenetic Novelties and Geographic Anomalies among Tropical Verongida. Integrative and Comparative Biology, 2013, 53, 482-494.	2.0	12
88	Description of the eudoxid stages ofLensia havockandLensia leloupi(Cnidaria:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T and Biodiversity, 2014, 12, 163-180.	1.2	11
89	First report of the box jellyfish Tripedalia cystophora (Cubozoa: Tripedaliidae) in the continental USA, from Lake Wyman, Boca Raton, Florida. Marine Biodiversity Records, 2011, 4, .	1.2	10
90	The end of an enigmatic taxon:Eudoxia macrais the eudoxid stage ofÂLensia cossack(Siphonophora, Cnidaria). Systematics and Biodiversity, 2013, 11, 381-387.	1.2	10

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91	Low genetic diversity of the putatively introduced, brackish water hydrozoan,Blackfordia virginica(Leptothecata: Blackfordiidae), throughout the United States, with a new record for Lake Pontchartrain, Louisiana. Proceedings of the Biological Society of Washington, 2013, 126, 91-102.	0.3	10
92	Integrating morphological and molecular taxonomy with the revised concept of Stelligeridae (Porifera: Demospongiae). Zoological Journal of the Linnean Society, 2019, 187, 31-81.	2.3	10
93	Predominant east to west colonizations across major oceanic barriers: Insights into the phylogeographic history of the hydroid superfamily Plumularioidea, suggested by a mitochondrial DNA barcoding marker. Ecology and Evolution, 2019, 9, 13001-13016.	1.9	8
94	Phylogenetic and Selection Analysis of an Expanded Family of Putatively Pore-Forming Jellyfish Toxins (Cnidaria: Medusozoa). Genome Biology and Evolution, 2021, 13, .	2.5	8
95	Tackling the phylogenetic conundrum of Hydroidolina (Cnidaria: Medusozoa: Hydrozoa) by assessing competing tree topologies with targeted high-throughput sequencing. PeerJ, 2021, 9, e12104.	2.0	8
96	<i>Duobrachium sparksae (incertae sedis</i> Ctenophora Tentaculata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Cydippi off the coast of Puerto Rico. Plankton and Benthos Research, 2020, 15, 296-305.	0.6	8
97	Eyes in Staurozoa (Cnidaria): a review. PeerJ, 2019, 7, e6693.	2.0	8
98	Stalked jellyfishes (Cnidaria: Staurozoa) of South Africa, with the description of Calvadosia lewisi sp. nov.. Zootaxa, 2017, 4227, 369.	0.5	7
99	Phylogeny and morphological evolution of the soâ€called bougainvilliids (Hydrozoa, Hydroidolina). Zoologica Scripta, 2018, 47, 608-622.	1.7	7
100	When morphometry meets taxonomy: morphological variation and species boundaries in Proboscoida (Cnidaria: Hydrozoa). Zoological Journal of the Linnean Society, 2020, 190, 417-447.	2.3	7
101	Traits and depth: What do hydroids tell us about morphology and lifeâ€history strategies in the deep sea?. Global Ecology and Biogeography, 2020, 29, 908-924.	5.8	7
102	Global diversity of inland water cnidarians. , 2007, , 35-40.		6
103	First record of the box jellyfishTripedalia cystophora(Cnidaria: Cubozoa: Tripedaliidae) in the Gulf of Mexico. Proceedings of the Biological Society of Washington, 2016, 129, 164-172.	0.3	5
104	Evolution of the claustrum in Cnidaria: comparative anatomy reveals that it is exclusive to some species of Staurozoa and absent in Cubozoa. Organisms Diversity and Evolution, 2017, 17, 753-766.	1.6	5
105	Gradual and rapid shifts in the composition of assemblages of hydroids (Cnidaria) along depth and latitude in the deep Atlantic Ocean. Journal of Biogeography, 2020, 47, 1541-1551.	3.0	5
106	Vansoestia caribensis gen. nov., sp. nov.: first report of the family Ianthellidae (Verongida, Demospongiae) in the CaribbeanÂ. Zootaxa, 2015, 3956, 403.	0.5	4
107	Insights into the transcriptional and translational mechanisms of linear organellar chromosomes in the box jellyfish Alatina alata (Cnidaria: Medusozoa: Cubozoa). RNA Biology, 2016, 13, 799-809.	3.1	4
108	Biodiversity and biogeography of hydroids across marine ecoregions and provinces of southern South America and Antarctica. Polar Biology, 2021, 44, 1669-1689.	1.2	4

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109	Introduction to Animal DNA Barcoding Protocols. Methods in Molecular Biology, 2012, 858, 11-16.	0.9	3
110	The U.S. Ocean Biocode. Marine Technology Society Journal, 2021, 55, 140-141.	0.4	3
111	A collection of hexactinellids (Porifera) from the deep South Atlantic and North Pacific: new genus, new species and new records. PeerJ, 2020, 8, e9431.	2.0	3
112	Raising Awareness of the Severity of â€œContactless Stingsâ€•by Cassiopea Jellyfish and Kin. Animals, 2021, 11, 3357.	2.3	3
113			