Peter F Cowman

List of Publications by Year
in descending order

46 papers	3,161 citations	218381 26 h-index	253896 43 g-index
49 all docs	49 docs citations	49 times ranked	4078 citing authors

#	Article	IF	Citations
1	An inverse latitudinal gradient in speciation rate for marine fishes. Nature, 2018, 559, 392-395.	13.7	579
2	Coral reefs as drivers of cladogenesis: expanding coral reefs, cryptic extinction events, and the development of biodiversity hotspots. Journal of Evolutionary Biology, 2011, 24, 2543-2562.	0.8	188
3	The historical biogeography of coral reef fishes: global patterns of origination and dispersal. Journal of Biogeography, 2013, 40, 209-224.	1.4	186
4	Quantifying Phylogenetic Beta Diversity: Distinguishing between â€˜Trueâ€™ Turnover of Lineages and Phylogenetic Diversity Gradients. PLoS ONE, 2012, 7, e42760.	1.1	169
5	Quaternary coral reef refugia preserved fish diversity. Science, 2014, 344, 1016-1019.	6.0	148
6	Human-Mediated Loss of Phylogenetic and Functional Diversity in Coral Reef Fishes. Current Biology, 2014, 24, 555-560.	1.8	142
7	Plate tectonics drive tropical reef biodiversity dynamics. Nature Communications, 2016, 7, 11461.	5.8	136
8	Dating the evolutionary origins of wrasse lineages (Labridae) and the rise of trophic novelty on coral reefs. Molecular Phylogenetics and Evolution, 2009, 52, 621-631.	1.2	124
9	Parasitic plants have increased rates of molecular evolution across all three genomes. BMC Evolutionary Biology, 2013, 13, 126.	3.2	120
10	Vicariance across major marine biogeographic barriers: temporal concordance and the relative intensity of hard versus soft barriers. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131541.	1.2	113
11	Evolutionary history of the butterflyfishes (f: Chaetodontidae) and the rise of coral feeding fishes. Journal of Evolutionary Biology, 2010, 23, 335-349.	0.8	112
12	Exploring the Relationships between Mutation Rates, Life History, Genome Size, Environment, and Species Richness in Flowering Plants. American Naturalist, 2015, 185, 507-524.	1.0	92
13	The biogeography of tropical reef fishes: endemism and provinciality through time. Biological Reviews, 2017, 92, 2112-2130.	4.7	91
14	Palaeoclimate ocean conditions shaped the evolution of corals and their skeletons through deep time. Nature Ecology and Evolution, 2020, 4, 1531-1538.	3.4	90
15	Phylogenomics, Origin, and Diversification of Anthozoans (Phylum Cnidaria). Systematic Biology, 2021, 70, 635-647.	2.7	74
16	An enhanced target-enrichment bait set for Hexacorallia provides phylogenomic resolution of the staghorn corals (Acroporidae) and close relatives. Molecular Phylogenetics and Evolution, 2020, 153, 106944.	1.2	59
17	Phylogenetic perspectives on reef fish functional traits. Biological Reviews, 2018, 93, 131-151.	4.7	56
18	Global marine protected areas do not secure the evolutionary history of tropical corals and fishes. Nature Communications, 2016, 7, 10359.	5.8	55

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19	Trophic innovations fuel reef fish diversification. Nature Communications, 2020, 11, 2669.	5.8	53
20	The evolution of traits and functions in herbivorous coral reef fishes through space and time. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182672.	1.2	46
21	Chemical Alarm Cues Are Conserved within the Coral Reef Fish Family Pomacentridae. PLoS ONE, 2012, 7, e47428.	1.1	45
22	Historical factors that have shaped the evolution of tropical reef fishes: a review of phylogenies, biogeography, and remaining questions. Frontiers in Genetics, 2014, 5, 394.	1.1	45
23	The molecular biogeography of the Indoâ€Pacific: Testing hypotheses with multispecies genetic patterns. Global Ecology and Biogeography, 2019, 28, 943-960.	2.7	43
24	Prolonged morphological expansion of spiny-rayed fishes following the end-Cretaceous. Nature Ecology and Evolution, 2022, 6, 1211-1220.	3.4	39
25	Evolutionary processes underlying latitudinal differences in reef fish biodiversity. Global Ecology and Biogeography, 2016, 25, 1466-1476.	2.7	38
26	Longevity Is Linked to Mitochondrial Mutation Rates in Rockfish: A Test Using Poisson Regression. Molecular Biology and Evolution, 2015, 32, 2633-2645.	3.5	36
27	Colour pattern divergence in reef fish species is rapid and driven by both range overlap and symmetry. Ecology Letters, 2019, 22, 190-199.	3.0	34
28	The evolution of fishes on coral reefs: fossils, phylogenies, and functions. , 2015, , 55-63.		33
29	Historical biogeography of herbivorous coral reef fishes: The formation of an Atlantic fauna. Journal of Biogeography, 2019, 46, 1611-1624.	1.4	30
30	Planktivores as trophic drivers of global coral reef fish diversity patterns. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
31	Historical and contemporary determinants of global phylogenetic structure in tropical reef fish faunas. Ecography, 2016, 39, 825-835.	2.1	20
32	Variation in social systems within Chaetodon butterflyfishes, with special reference to pair bonding. PLoS ONE, 2018, 13, e0194465.	1.1	17
33	Solving the Coral Species Delimitation Conundrum. Systematic Biology, 2022, 71, 461-475.	2.7	16
34	Predation drives recurrent convergence of an interspecies mutualism. Ecology Letters, 2019, 22, 256-264.	3.0	13
35	Morphological and molecular description of a new genus and species of black coral (Cnidaria: Anthozoa: Hexacorallia: Antipatharia: Antipathidae: Blastopathes) from Papua New GuineaÂ. Zootaxa, 2020, 4821, 553-569.	0.2	13
36	The influence of habitat association on swimming performance in marine teleost fish larvae. Fish and Fisheries, 2021, 22, 1187-1212.	2.7	13

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37	Phylogenomic Analysis of Concatenated Ultraconserved Elements Reveals the Recent Evolutionary Radiation of the Fairy Wrasses (Teleostei: Labridae: Cirrhilabrus). Systematic Biology, 2021, 71, 1-12.	2.7	12
38	Types, topotypes and vouchers are the key to progress in coral taxonomy: Comment on Wepfer et al. (2020). Molecular Phylogenetics and Evolution, 2021, 159, 107104.	1.2	9
39	Ice ages and butterflyfishes: Phylogenomics elucidates the ecological and evolutionary history of reef fishes in an endemism hotspot. Ecology and Evolution, 2018, 8, 10989-11008.	0.8	8
40	Ancestral biogeography and ecology of marine angelfishes (F: Pomacanthidae). Molecular Phylogenetics and Evolution, 2019, 140, 106596.	1.2	8
41	Biogeography, reproductive biology and phylogenetic divergence within the Fungiidae (mushroom) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	7
42	Body size determines eyespot size and presence in coral reef fishes. Ecology and Evolution, 2020, 10, 8144-8152.	0.8	6
43	Drivers of eyespot evolution in coral reef fishes. Evolution; International Journal of Organic Evolution, 2021, 75, 903-914.	1.1	5
44	Parasites of coral reef fish larvae: its role in the pelagic larval stage. Coral Reefs, 2019, 38, 199-214.	0.9	3
45	Discovery of Australia's Fishes: A History of Australian Ichthyology to 1930 Brian Saunders . 2012. CSIRO Publishing. ISBN 978-0-64310-670-3. 491 p. $99.95 (hard cover).. Copeia, 2013, 2013, 786-788.	1.4	0
46	Biogeography: multidisciplinary approaches in space and time. Frontiers of Biogeography, 2014, 6, .	0.8	0