Christopher P Meyer

List of Publications by Year
in descending order

66 papers	7,096 citations	136740 32 h-index	123241 61 g-index
70 all docs	70 docs citations	70 times ranked	8675 citing authors

#	Article	IF	Citations
1	DNA Barcoding: Error Rates Based on Comprehensive Sampling. PLoS Biology, 2005, 3, e422.	2.6	1,398
2	A new versatile primer set targeting a short fragment of the mitochondrial COI region for metabarcoding metazoan diversity: application for characterizing coral reef fish gut contents. Frontiers in Zoology, 2013, 10, 34.	0.9	955
3	Redesign of <scp>PCR</scp> primers for mitochondrial cytochrome c oxidase subunit <scp>I</scp> for marine invertebrates and application in allâ€taxa biotic surveys. Molecular Ecology Resources, 2013, 13, 851-861.	2.2	696
4	Hopping Hotspots: Global Shifts in Marine Biodiversity. Science, 2008, 321, 654-657.	6.0	408
5	DNA Barcoding Will Often Fail to Discover New Animal Species over Broad Parameter Space. Systematic Biology, 2006, 55, 729-739.	2.7	369
6	Molecular systematics of cowries (Gastropoda: Cypraeidae) and diversification patterns in the tropics. Biological Journal of the Linnean Society, 2003, 79, 401-459.	0.7	337
7	FINE SCALE ENDEMISM ON CORAL REEFS: ARCHIPELAGIC DIFFERENTIATION IN TURBINID GASTROPODS. Evolution; International Journal of Organic Evolution, 2005, 59, 113-125.	1.1	276
8	The ocean sampling day consortium. GigaScience, 2015, 4, 27.	3.3	185
9	Cryptic Diversity in Indo-Pacific Coral-Reef Fishes Revealed by DNA-Barcoding Provides New Support to the Centre-of-Overlap Hypothesis. PLoS ONE, 2012, 7, e28987.	1.1	152
10	Diversification in the Tropical Pacific: Comparisons Between Marine and Terrestrial Systems and the Importance of Founder Speciation. Integrative and Comparative Biology, 2002, 42, 922-934.	0.9	139
11	Searching for heat in a marine biodiversity hotspot. Journal of Biogeography, 2009, 36, 569-576.	1.4	110
12	Testing comparative phylogeographic models of marine vicariance and dispersal using a hierarchical Bayesian approach. BMC Evolutionary Biology, 2008, 8, 322.	3.2	109
13	Identifying coral reef fish larvae through DNA barcoding: A test case with the families Acanthuridae and Holocentridae. Molecular Phylogenetics and Evolution, 2010, 55, 1195-1203.	1.2	109
14	Dispersal and divergence across the greatest ocean region: Do larvae matter?. Integrative and Comparative Biology, 2006, 46, 269-281.	0.9	107
15	Reef-associated crustacean fauna: biodiversity estimates using semi-quantitative sampling and DNA barcoding. Coral Reefs, 2009, 28, 977-986.	0.9	106
16	One, four or 100 genera? A new classification of the cone snails. Journal of Molluscan Studies, 2015, 81, 1-23.	0.4	95
17	Phylogeography of the Patelloida profunda group (Gastropoda: Lottidae): diversification in a dispersal-driven marine system. Molecular Ecology, 2004, 13, 2749-2762.	2.0	93
18	Metabarcoding dietary analysis of coral dwelling predatory fish demonstrates the minor contribution of coral mutualists to their highly partitioned, generalist diet. PeerJ, 2015, 3, e1047.	0.9	90

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19	Phylogeography unplugged: comparative surveys in the genomic era. Bulletin of Marine Science, 2014, 90, 13-46.	0.4	86
20	The dragon tamed? A molecular phylogeny of the Conoidea (Gastropoda). Journal of Molluscan Studies, 2011, 77, 259-272.	0.4	78
21	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.	1.1	75
22	Reconstructing hyperdiverse food webs: Gut content metabarcoding as a tool to disentangle trophic interactions on coral reefs. Methods in Ecology and Evolution, 2019, 10, 1157-1170.	2.2	75
23	Interannual and decadal variability of the western Pacific sea surface condition for the years 1787â€“2000: Reconstruction based on stable isotope record from a Guam coral. Journal of Geophysical Research, 2005, 110, .	3.3	74
24	Effectiveness of Annealing Blocking Primers versus Restriction Enzymes for Characterization of Generalist Diets: Unexpected Prey Revealed in the Gut Contents of Two Coral Reef Fish Species. PLoS ONE, 2013, 8, e58076.	1.1	72
25	The Genomic Observatories Metadatabase (GeOMe): A new repository for field and sampling event metadata associated with genetic samples. PLoS Biology, 2017, 15, e2002925.	2.6	72
26	Fine scale endemism on coral reefs: archipelagic differentiation in turbinid gastropods. Evolution; International Journal of Organic Evolution, 2005, 59, 113-25.	1.1	69
27	Identifying the ichthyoplankton of a coral reef using <scp>DNA</scp> barcodes. Molecular Ecology Resources, 2015, 15, 57-67.	2.2	67
28	Neritid and thiarid gastropods from French Polynesian streams: how reproduction (sexual,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td 2000, 44, 535-545.	1.2	52
29	The founding charter of the Genomic Observatories Network. GigaScience, 2014, 3, 2.	3.3	51
30	Moorea BIOCODE barcode library as a tool for understanding predatorâ€“prey interactions: insights into the diet of common predatory coral reef fishes. Coral Reefs, 2012, 31, 383-388.	0.9	49
31	Hidden diversity in a hyperdiverse gastropod genus: Discovery of previously unidentified members of a Conus species complex. Molecular Phylogenetics and Evolution, 2008, 49, 867-876.	1.2	45
32	The scope of published population genetic data for Indo-Pacific marine fauna and future research opportunities in the region. Bulletin of Marine Science, 2014, 90, 47-78.	0.4	44
33	A Marine Biodiversity Observation Network for Genetic Monitoring of Hard-Bottom Communities (ARMS-MBON). Frontiers in Marine Science, 2020, 7, .	1.2	34
34	Phylogenetic relationships among the clownfish-hosting sea anemones. Molecular Phylogenetics and Evolution, 2019, 139, 106526.	1.2	33
35	Carbon and oxygen isotopic composition of a Guam coral and their relationships to environmental variables in the western Pacific. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 212, 1-22.	1.0	32
36	Building a global genomics observatory: Using GEOME (the Genomic Observatories Metadatabase) to expedite and improve deposition and retrieval of genetic data and metadata for biodiversity research. Molecular Ecology Resources, 2020, 20, 1458-1469.	2.2	32

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37	Dietary partitioning promotes the coexistence of planktivorous species on coral reefs. Molecular Ecology, 2019, 28, 2694-2710.	2.0	30
38	Dietary and habitat niche partitioning in congeneric cryptobenthic reef fish species. Coral Reefs, 2020, 39, 305-317.	0.9	28
39	A call for an international network of genomic observatories (GOs). GigaScience, 2012, 1, 5.	3.3	25
40	Greater thanXkb: a quantitative assessment of preservation conditions on genomic DNA quality, and a proposed standard for genome-quality DNA. PeerJ, 2016, 4, e2528.	0.9	23
41	Genetic divergence and geographical variation in the deepâ€water Conus orbignyi complex (Mollusca: Conoidea). Zoologica Scripta, 2011, 40, 350-363.	0.7	21
42	A DNA barcode reference library of French Polynesian shore fishes. Scientific Data, 2019, 6, 114.	2.4	21
43	Endemism and evolution in the Coral Triangle: a call for clarity. Journal of Biogeography, 2009, 36, 2010-2012.	1.4	18
44	FINE SCALE ENDEMISM ON CORAL REEFS: ARCHIPELAGIC DIFFERENTIATION IN TURBINID GASTROPODS. Evolution; International Journal of Organic Evolution, 2005, 59, 113.	1.1	16
45	DNA metabarcoding marker choice skews perception of marine eukaryotic biodiversity. Environmental DNA, 2021, 3, 1229-1246.	3.1	16
46	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. GigaScience, 2016, 5, 14.	3.3	15
47	Categorization of species as native or nonnative using DNA sequence signatures without a complete reference library. Ecological Applications, 2019, 29, e01914.	1.8	14
48	Toward a Global Public Repository of Community Protocols to Encourage Best Practices in Biomolecular Ocean Observing and Research. Frontiers in Marine Science, 2021, 8, .	1.2	12
49	Laboratory Information Management Systems for DNA Barcoding. Methods in Molecular Biology, 2012, 858, 269-310.	0.4	11
50	Environmental DNA in a global biodiversity hotspot: Lessons from coral reef fish diversity across the Indonesian archipelago. Environmental DNA, 2022, 4, 222-238.	3.1	11
51	Internet of Samples (iSamples): Toward an interdisciplinary cyberinfrastructure for material samples. GigaScience, 2021, 10, .	3.3	10
52	Pluralism explains diversity in the Coral Triangle. , 0, , 258-263.		9
53	Assessment of mitochondrial genomes for heterobranch gastropod phylogenetics. Bmc Ecology and Evolution, 2021, 21, 6.	0.7	9
54	Field Information Management Systems for DNA Barcoding. Methods in Molecular Biology, 2012, 858, 255-267.	0.4	8

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55	Host identity and symbiotic association affects the taxonomic and functional diversity of the clownfish-hosting sea anemone microbiome. Biology Letters, 2020, 16, 20190738.	1.0	8
56	Effects of low pH on the coral reef cryptic invertebrate communities near CO2 vents in Papua New Guinea. PLoS ONE, 2021, 16, e0258725.	1.1	6
57	Introduction to Animal DNA Barcoding Protocols. Methods in Molecular Biology, 2012, 858, 11-16.	0.4	3
58	The U.S. Ocean Biocode. Marine Technology Society Journal, 2021, 55, 140-141.	0.3	3
59	Report of the 14th Genomic Standards Consortium Meeting, Oxford, UK, September 17-21, 2012.. Standards in Genomic Sciences, 2014, 9, 1236-1250.	1.5	1
60	Biodiversity of Cryptofauna (Decapods) and Their Correlation with Dead CoralPocilloporasp. Volume at Bunaken Island, North Sulawesi. IOP Conference Series: Earth and Environmental Science, 2018, 116, 012053.	0.2	1
61	Community Structure of Decapod Inhabit Dead Coral Pocillopora sp. in Pemuteran, Bali. IOP Conference Series: Earth and Environmental Science, 2018, 116, 012055.	0.2	1
62	Internet of Samples. Proceedings of the Association for Information Science and Technology, 2021, 58, 813-815.	0.3	1
63	Cryptic Species from Biodiversity Hotspot: Estimation of Decapoda on Dead Coral Head Pocillopora in Raja Ampat Papua. Ilmu Kelautan: Indonesian Journal of Marine Sciences, 2020, 25, 1-6.	0.3	0
64	Identification of Caridae Cryptic organism (Crustacea) on the Pocillopora dead coral in Sabang, Aceh. IOP Conference Series: Earth and Environmental Science, 2021, 674, 012008.	0.2	0
65	Internet of Samples: Progress report. Biodiversity Information Science and Standards, 0, 5, .	0.0	0
66	The Genomic Observatories Metadatabase. Biodiversity Information Science and Standards, 0, 1, e20508.	0.0	0