

Gary R Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

4,425
citations

318942

23
h-index

274796

44
g-index

47
all docs

47
docs citations

47
times ranked

7442
citing authors

#	ARTICLE	IF	CITATIONS
1	Managing human-mediated range shifts: understanding spatial, temporal and genetic variation in marine non-native species. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210025.	1.8	8
2	Life in a drop: Sampling environmental DNA for marine fishery management and ecosystem monitoring. <i>Marine Policy</i> , 2021, 124, 104331.	1.5	52
3	Molecular characterization of a marine turtle tumor epizootic, profiling external, internal and postsurgical regrowth tumors. <i>Communications Biology</i> , 2021, 4, 152.	2.0	20
4	Animals, protists and bacteria share marine biogeographic patterns. <i>Nature Ecology and Evolution</i> , 2021, 5, 738-746.	3.4	36
5	Environmental DNA provides higher resolution assessment of riverine biodiversity and ecosystem function via spatio-temporal nestedness and turnover partitioning. <i>Communications Biology</i> , 2021, 4, 512.	2.0	30
6	Domestication-induced reduction in eye size revealed in multiple common garden experiments: The case of Atlantic salmon (<i>Salmo salar</i> L.). <i>Evolutionary Applications</i> , 2021, 14, 2319-2332.	1.5	4
7	Comparative genetic stock structure in three species of commercially exploited Indo-Malay Carangidae (Teleostei, Perciformes). <i>Journal of Fish Biology</i> , 2020, 96, 337-349.	0.7	15
8	Phylogenomics and species delimitation for effective conservation of manta and devil rays. <i>Molecular Ecology</i> , 2020, 29, 4783-4796.	2.0	45
9	Disentangling the effects of sex, life history and genetic background in Atlantic salmon: growth, heart and liver under common garden conditions. <i>Royal Society Open Science</i> , 2020, 7, 200811.	1.1	4
10	Epistatic regulation of growth in Atlantic salmon revealed: a QTL study performed on the domesticated-wild interface. <i>BMC Genetics</i> , 2020, 21, 13.	2.7	9
11	Executing multi-taxa eDNA ecological assessment via traditional metrics and interactive networks. <i>Science of the Total Environment</i> , 2020, 729, 138801.	3.9	51
12	Detection of introduced and resident marine species using environmental DNA metabarcoding of sediment and water. <i>Scientific Reports</i> , 2019, 9, 11559.	1.6	109
13	Environmental DNA size sorting and degradation experiment indicates the state of <i>Daphnia magna</i> mitochondrial and nuclear eDNA is subcellular. <i>Scientific Reports</i> , 2019, 9, 12500.	1.6	67
14	Evolutionary drivers of kype size in Atlantic salmon (<i>Salmo salar</i>): domestication, age and genetics. <i>Royal Society Open Science</i> , 2019, 6, 190021.	1.1	16
15	Deep segregation in the open ocean: Macaronesia as an evolutionary hotspot for low dispersal marine invertebrates. <i>Molecular Ecology</i> , 2019, 28, 1784-1800.	2.0	20
16	Demographic reconstruction from ancient DNA supports rapid extinction of the great auk. <i>ELife</i> , 2019, 8, .	2.8	15
17	Performance of amplicon and shotgun sequencing for accurate biomass estimation in invertebrate community samples. <i>Molecular Ecology Resources</i> , 2018, 18, 1020-1034.	2.2	104
18	Whole genome duplication and transposable element proliferation drive genome expansion in <i>Corydoradinae</i> catfishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172732.	1.2	32

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19	Acidity promotes degradation of multi-species environmental DNA in lotic mesocosms. <i>Communications Biology</i> , 2018, 1, 4.	2.0	219
20	Range-wide genomic data synthesis reveals transatlantic vicariance and secondary contact in Atlantic cod. <i>Ecology and Evolution</i> , 2018, 8, 12140-12152.	0.8	7
21	Introduction of the Evidence synthesis: article type. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180858.	1.2	3
22	Annual time-series analysis of aqueous eDNA reveals ecologically relevant dynamics of lake ecosystem biodiversity. <i>Nature Communications</i> , 2017, 8, 14087.	5.8	229
23	Recommendations for developing and applying genetic tools to assess and manage biological invasions in marine ecosystems. <i>Marine Policy</i> , 2017, 85, 54-64.	1.5	74
24	An "Aukward"™ Tale: A Genetic Approach to Discover the Whereabouts of the Last Great Auks. <i>Genes</i> , 2017, 8, 164.	1.0	11
25	Plio-Pleistocene phylogeography of the Southeast Asian Blue Panchax killifish, <i>Aplocheilichthys panchax</i> . <i>PLoS ONE</i> , 2017, 12, e0179557.	1.1	22
26	No loss of genetic diversity in the exploited and recently collapsed population of Bay of Biscay anchovy (<i>Engraulis encrasicolus</i> , L.). <i>Marine Biology</i> , 2016, 163, 1.	0.7	14
27	A common garden design reveals population-specific variability in potential impacts of hybridization between populations of farmed and wild Atlantic salmon (<i>Salmo salar</i> L.). <i>Evolutionary Applications</i> , 2016, 9, 435-449.	1.5	23
28	Does density influence relative growth performance of farm, wild and F ₁ hybrid Atlantic salmon in semi-natural and hatchery common garden conditions?. <i>Royal Society Open Science</i> , 2016, 3, 160152.	1.1	10
29	Population-level consequences for wild fish exposed to sublethal concentrations of chemicals – a critical review. <i>Fish and Fisheries</i> , 2016, 17, 545-566.	2.7	119
30	The biogeography of the atlantic salmon (<i>Salmo salar</i>) gut microbiome. <i>ISME Journal</i> , 2016, 10, 1280-1284.	4.4	301
31	Fish Product Mislabeling: Failings of Traceability in the Production Chain and Implications for Illegal, Unreported and Unregulated (IUU) Fishing. <i>PLoS ONE</i> , 2014, 9, e98691.	1.1	128
32	Environmental DNA for wildlife biology and biodiversity monitoring. <i>Trends in Ecology and Evolution</i> , 2014, 29, 358-367.	4.2	920
33	Metagenetic analysis of patterns of distribution and diversity of marine meiobenthic eukaryotes. <i>Global Ecology and Biogeography</i> , 2014, 23, 1293-1302.	2.7	96
34	Borneo and Indochina are Major Evolutionary Hotspots for Southeast Asian Biodiversity. <i>Systematic Biology</i> , 2014, 63, 879-901.	2.7	283
35	Investigating the molecular systematic relationships amongst selected <i>Plesionika</i> (Decapoda: Pandalidae) from the Northeast Atlantic and Mediterranean. <i>Marine Ecology</i> , 2013, 34, 157-170.	0.4	14
36	Experimental harvesting of fish populations drives genetically based shifts in body size and maturation. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 181-187.	1.9	93

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37	Gene-associated markers provide tools for tackling illegal fishing and false eco-certification. Nature Communications, 2012, 3, 851.	5.8	199
38	SNP Discovery Using Next Generation Transcriptomic Sequencing in Atlantic Herring (<i>Clupea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.1	53
39	Anonymous nuclear markers for the Blue Panchax killifish (<i>Aplocheilichthys panchax</i>). Conservation Genetics Resources, 2011, 3, 53-55.	0.4	4
40	Molecular sexing of African rhinoceros. Conservation Genetics, 2010, 11, 1181-1184.	0.8	18
41	Paradigm shifts in marine fisheries genetics: ugly hypotheses slain by beautiful facts. Fish and Fisheries, 2008, 9, 333-362.	2.7	492
42	Loss of microsatellite diversity and low effective population size in an overexploited population of New Zealand snapper (<i>Pagrus auratus</i>). Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11742-11747.	3.3	441