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List of Publications by Year
in descending order

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64 papers	4,835 citations	94269 37 h-index	114278 63 g-index
66 all docs	66 docs citations	66 times ranked	6046 citing authors

#	Article	IF	Citations
1	Graph models of habitat mosaics. Ecology Letters, 2009, 12, 260-273.	3.0	467
2	Modeling population connectivity by ocean currents, a graph-theoretic approach for marine conservation. Landscape Ecology, 2008, 23, 19-36.	1.9	400
3	Marine Geospatial Ecology Tools: An integrated framework for ecological geoprocessing with ArcGIS, Python, R, MATLAB, and C++. Environmental Modelling and Software, 2010, 25, 1197-1207.	1.9	300
4	Population connectivity: recent advances and new perspectives. Landscape Ecology, 2013, 28, 165-185.	1.9	262
5	Reproductive Output and Duration of the Pelagic Larval Stage Determine Seascape-Wide Connectivity of Marine Populations. Integrative and Comparative Biology, 2012, 52, 525-537.	0.9	211
6	Potential and limits for rapid genetic adaptation to warming in a Great Barrier Reef coral. PLoS Genetics, 2018, 14, e1007220.	1.5	184
7	Migratory connectivity magnifies the consequences of habitat loss from sea-level rise for shorebird populations. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130325.	1.2	173
8	Effects of geography and life history traits on genetic differentiation in benthic marine fishes. Ecography, 2011, 34, 566-575.	2.1	141
9	Incorporating asymmetric connectivity into spatial decision making for conservation. Conservation Letters, 2010, 3, 359-368.	2.8	119
10	Integrating regional conservation priorities for multiple objectives into national policy. Nature Communications, 2015, 6, 8208.	5.8	113
11	Navigating the currents of seascape genomics: how spatial analyses can augment population genomic studies. Environmental Epigenetics, 2016, 62, 581-601.	0.9	108
12	Identifying the key biophysical drivers, connectivity outcomes, and metapopulation consequences of larval dispersal in the sea. Movement Ecology, 2015, 3, 17.	1.3	105
13	Integrating multiple species connectivity and habitat quality into conservation planning for coral reefs. Ecography, 2016, 39, 649-664.	2.1	97
14	High connectivity among habitats precludes the relationship between dispersal and range size in tropical reef fishes. Ecography, 2012, 35, 89-96.	2.1	90
15	Evolving coral reef conservation with genetic information. Bulletin of Marine Science, 2014, 90, 159-185.	0.4	89
16	Incorporating larval dispersal into <scp>MPA</scp> design for both conservation and fisheries. Ecological Applications, 2017, 27, 925-941.	1.8	83
17	Marine population connectivity identifies ecological neighbors for conservation planning in the Coral Triangle. Conservation Letters, 2012, 5, 441-449.	2.8	79
18	Prioritizing Land and Sea Conservation Investments to Protect Coral Reefs. PLoS ONE, 2010, 5, e12431.	1.1	78

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19	How do dispersal costs and habitat selection influence realized population connectivity?. Ecology, 2012, 93, 1378-1387.	1.5	75
20	Dispersal Capacity Predicts Both Population Genetic Structure and Species Richness in Reef Fishes. American Naturalist, 2014, 184, 52-64.	1.0	70
21	No Reef Is an Island: Integrating Coral Reef Connectivity Data into the Design of Regional-Scale Marine Protected Area Networks. PLoS ONE, 2015, 10, e0144199.	1.1	70
22	Operationalizing ecological connectivity in spatial conservation planning with Marxan Connect. Methods in Ecology and Evolution, 2020, 11, 570-579.	2.2	69
23	Exploring the role of Micronesian islands in the maintenance of coral genetic diversity in the Pacific Ocean. Molecular Ecology, 2015, 24, 70-82.	2.0	68
24	The emergent geography of biophysical dispersal barriers across the Indoâ€West Pacific. Diversity and Distributions, 2015, 21, 465-476.	1.9	68
25	Coalescent and biophysical models of steppingâ€stone gene flow in neritid snails. Molecular Ecology, 2012, 21, 5579-5598.	2.0	65
26	Evaluating the metapopulation consequences of ecological traps. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142930.	1.2	65
27	Does fish larval dispersal differ between high and low latitudes?. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130327.	1.2	60
28	Taking the Plunge: An Introduction to Undertaking Seascape Genetic Studies and using Biophysical Models. Geography Compass, 2013, 7, 173-196.	1.5	58
29	Analyzing the (mis)fit between the institutional and ecological networks of the Indo-West Pacific. Global Environmental Change, 2015, 31, 263-271.	3.6	54
30	Estimating the potential for coral adaptation to global warming across the Indoâ€West Pacific. Global Change Biology, 2020, 26, 3473-3481.	4.2	54
31	Network analysis reveals strong seasonality in the dispersal of a marine parasite and identifies areas for coordinated management. Landscape Ecology, 2017, 32, 1953-1967.	1.9	52
32	Vicariance and dispersal across an intermittent barrier: population genetic structure of marine animals across the Torres Strait land bridge. Coral Reefs, 2011, 30, 937-949.	0.9	48
33	Seascape features, rather than dispersal traits, predict spatial genetic patterns in coâ€distributed reef fishes. Journal of Biogeography, 2016, 43, 256-267.	1.4	48
34	Marine Reserve Targets to Sustain and Rebuild Unregulated Fisheries. PLoS Biology, 2017, 15, e2000537.	2.6	48
35	A Novel Widespread Cryptic Species and Phylogeographic Patterns within Several Giant Clam Species (Cardiidae: Tridacna) from the Indo-Pacific Ocean. PLoS ONE, 2013, 8, e80858.	1.1	46
36	The DNA of coral reef biodiversity: predicting and protecting genetic diversity of reef assemblages. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160354.	1.2	45

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37	Coral reef resilience to thermal stress in the Eastern Tropical Pacific. Global Change Biology, 2020, 26, 3880-3890.	4.2	45
38	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
39	The molecular biogeography of the Indoâ€Pacific: Testing hypotheses with multispecies genetic patterns. Global Ecology and Biogeography, 2019, 28, 943-960.	2.7	43
40	The Eastern Tropical Pacific coral population connectivity and the role of the Eastern Pacific Barrier. Scientific Reports, 2018, 8, 9354.	1.6	33
41	Return of the ghosts of dispersal past: historical spread and contemporary gene flow in the blue sea star <I>Linckia laevigata</I>. Bulletin of Marine Science, 2014, 90, 399-425.	0.4	32
42	Local and regional scale habitat heterogeneity contribute to genetic adaptation in a commercially important marine mollusc (Haliotis rubra) from southeastern Australia. Molecular Ecology, 2019, 28, 3053-3072.	2.0	32
43	Identifying â€˜firebreaksâ€™ to fragment dispersal networks of a marine parasite. International Journal for Parasitology, 2019, 49, 277-286.	1.3	28
44	Influence of offshore oil and gas structures on seascape ecological connectivity. Global Change Biology, 2022, 28, 3515-3536.	4.2	28
45	Genetic and Biophysical Models Help Define Marine Conservation Focus Areas. Frontiers in Marine Science, 2018, 5, .	1.2	27
46	Increased connectivity and depth improve the effectiveness of marine reserves. Global Change Biology, 2021, 27, 3432-3447.	4.2	27
47	Uncertainty in spatially explicit population models. Biological Conservation, 2008, 141, 956-970.	1.9	26
48	Reserve Sizes Needed to Protect Coral Reef Fishes. Conservation Letters, 2018, 11, e12415.	2.8	24
49	Building a marine cadastral information system for the United StatesÂâ€” a case study. Computers, Environment and Urban Systems, 2001, 25, 493-507.	3.3	23
50	Dispersal and population connectivity are phenotype dependent in a marine metapopulation. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191104.	1.2	23
51	Assessing the current state of ecological connectivity in a large marine protected area system. Conservation Biology, 2021, 35, 699-710.	2.4	22
52	Local connections and the larval competency strongly influence marine metapopulation persistence. Ecological Applications, 2021, 31, e02302.	1.8	21
53	Latitudeâ€wide genetic patterns reveal historical effects and contrasting patterns of turnover and nestedness at the range peripheries of a tropical marine fish. Ecography, 2015, 38, 1212-1224.	2.1	20
54	Modelling and mapping regionalâ€scale patterns of fishing impact and fish stocks to support coralâ€reef management in Micronesia. Diversity and Distributions, 2018, 24, 1729-1743.	1.9	20

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55	Using species distribution models to assess the longâ€term impacts of changing oceanographic conditions on abalone density in south east Australia. Ecography, 2020, 43, 1052-1064.	2.1	20
56	Open access solutions for biodiversity journals: Do not replace one problem with another. Diversity and Distributions, 2019, 25, 5-8.	1.9	19
57	Detecting marine pests using environmental DNA and biophysical models. Science of the Total Environment, 2022, 816, 151666.	3.9	19
58	Historical divergences associated with intermittent land bridges overshadow isolation by larval dispersal in coâ€distributed species of Tridacna giant clams. Journal of Biogeography, 2018, 45, 848-858.	1.4	18
59	Seascape Genomics: Contextualizing Adaptive and Neutral Genomic Variation in the Ocean Environment. Population Genomics, 2019, , 171-218.	0.2	18
60	Strategies in scheduling marine protected area establishment in a network system. Ecological Applications, 2019, 29, e01820.	1.8	18
61	Ocean currents and the population genetic signature of fish migrations. Ecology, 2020, 101, e02967.	1.5	14
62	The regional structure of spawning phenology and the potential consequences for connectivity of coral assemblages across the Eastern Tropical Pacific. ICES Journal of Marine Science, 2017, 74, 613-624.	1.2	9
63	CAUSES AND CONSEQUENCES OF LAND USE CHANGE IN THE NORTH CAROLINA PIEDMONT: THE SCOPE OF UNCERTAINTY. , 2006, , 239-257.		3
64	Testing the Influence of Seascape Connectivity on Marine-Based Species Distribution Models. Frontiers in Marine Science, 2021, 8, .	1.2	3