Jorge GarcÃ-a Molinos

List of Publications by Year
in descending order

48 papers	3,091 citations	331642 21 h-index	243610 44 g-index
52 all docs	52 docs citations	52 times ranked	5063 citing authors

#	Article	IF	Citations
1	Predators mitigate the destabilising effects of heatwaves on multitrophic stream communities. Global Change Biology, 2022, 28, 403-416.	9.5	18
2	Towards climate-smart, three-dimensional protected areas for biodiversity conservation in the high seas. Nature Climate Change, 2022, 12, 402-407.	18.8	20
3	Plasticity in rotifer morphology induced by conflicting threats from multiple predators. Freshwater Biology, 2022, 67, 498-507.	2.4	3
4	Expanding ocean food production under climate change. Nature, 2022, 605, 490-496.	27.8	20
5	Faster ocean warming threatens richest areas of marine biodiversity. Global Change Biology, 2022, 28, 5849-5858.	9.5	2
6	Timescale mediates the effects of environmental controls on water temperature in mid- to low-order streams. Scientific Reports, 2022, 12, .	3.3	1
7	Marine biodiversity refugia in a climateâ€sensitive subarctic shelf. Global Change Biology, 2021, 27, 3299-3311.	9.5	7
8	Seasonality and aquatic metacommunity assemblage in three abandoned gold mining ponds in the southwestern Amazon, Madre de Dios (Peru). Ecological Indicators, 2021, 125, 107455.	6.3	10
9	Eutrophication causes invertebrate biodiversity loss and decreases cross-taxon congruence across anthropogenically-disturbed lakes. Environment International, 2021, 153, 106494.	10.0	26
10	Synergistic effects of warming and eutrophication alert zooplankton predatorâ€“prey interactions along the benthicâ€“pelagic interface. Global Change Biology, 2021, 27, 5907-5919.	9.5	11
11	Mitigation of urbanization effects on aquatic ecosystems by synchronous ecological restoration. Water Research, 2021, 204, 117587.	11.3	22
12	Global marine warming in a new dimension. Nature Ecology and Evolution, 2020, 4, 16-17.	7.8	5
13	Multiple facets of marine biodiversity in the Pacific Arctic under future climate. Science of the Total Environment, 2020, 744, 140913.	8.0	18
14	Differential Responses of Food Web Properties to Opposite Assembly Rules and Species Richness. Water (Switzerland), 2020, 12, 2828.	2.7	0
15	A dynamic temperature difference control recording system in shallow lake mesocosm. MethodsX, 2020, 7, 100930.	1.6	16
16	Realistic fisheries management reforms could mitigate the impacts of climate change in most countries. PLoS ONE, 2020, 15, e0224347.	2.5	66
17	Governance challenges for tropical nations losing fish species due to climate change. Nature Sustainability, 2020, 3, 277-280.	23.7	47
18	Effects of warming, climate extremes and phosphorus enrichment on the growth, sexual reproduction and propagule carbon and nitrogen stoichiometry of Potamogeton crispus L. Environment International, 2020, 137, 105502.	10.0	35

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19	Climate velocity reveals increasing exposure of deep-ocean biodiversity to future warming. Nature Climate Change, 2020, 10, 576-581.	18.8	99
20	Drivers and Changes of the Poyang Lake Wetland Ecosystem. Wetlands, 2019, 39, 35-44.	1.5	29
21	VoCC: An <scp>r</scp> package for calculating the velocity of climate change and related climatic metrics. Methods in Ecology and Evolution, 2019, 10, 2195-2202.	5.2	42
22	Spatially Structured Environmental Variation Plays a Prominent Role on the Biodiversity of Freshwater Macrophytes Across China. Frontiers in Plant Science, 2019, 10, 161.	3.6	8
23	Crossâ€taxon congruence of multiple diversity facets of freshwater assemblages is determined by largeâ€scale processes across China. Freshwater Biology, 2019, 64, 1492-1503.	2.4	12
24	Ocean community warming responses explained by thermal affinities and temperature gradients. Nature Climate Change, 2019, 9, 959-963.	18.8	134
25	Contemporary changes in structural dynamics and socioeconomic drivers of inland fishery in China. Science of the Total Environment, 2019, 648, 1527-1535.	8.0	11
26	Climate Velocity Can Inform Conservation in a Warming World. Trends in Ecology and Evolution, 2018, 33, 441-457.	8.7	124
27	OBSOLETE: Distributions and range shifts. , 2018, , .		0
28	Improved fisheries management could offset many negative effects of climate change. Science Advances, 2018, 4, eaao1378.	10.3	168
29	Functional and Taxonomic Differentiation of Macrophyte Assemblages Across the Yangtze River Floodplain Under Human Impacts. Frontiers in Plant Science, 2018, 9, 387.	3.6	25
30	Ocean currents and herbivory drive macroalgae-to-coral community shift under climate warming. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8990-8995.	7.1	105
31	Distribution shifts of marine taxa in the Pacific Arctic under contemporary climate changes. Diversity and Distributions, 2018, 24, 1583-1597.	4.1	41
32	Improving the interpretability of climate landscape metrics: An ecological risk analysis of Japan's Marine Protected Areas. Global Change Biology, 2017, 23, 4440-4452.	9.5	14
33	Ocean currents modify the coupling between climate change and biogeographical shifts. Scientific Reports, 2017, 7, 1332.	3.3	46
34	Responses of Marine Organisms to Climate Change across Oceans. Frontiers in Marine Science, 2016, 3, .	2.5	624
35	Optimal response to habitat linkage of local fish diversity and mean trophic level. Limnology and Oceanography, 2016, 61, 1438-1448.	3.1	8
36	Climate velocity and the future global redistribution of marine biodiversity. Nature Climate Change, 2016, 6, 83-88.	18.8	405

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37	Importance of Long-Term Cycles for Predicting Water Level Dynamics in Natural Lakes. PLoS ONE, 2015, 10, e0119253.	2.5	18
38	Complimentary analysis of metacommunity nestedness and diversity partitioning highlights the need for a holistic conservation strategy for highland lake fish assemblages. Global Ecology and Conservation, 2015, 3, 288-296.	2.1	12
39	Human impacts on functional and taxonomic homogenization of plateau fish assemblages in Yunnan, China. Global Ecology and Conservation, 2015, 4, 470-478.	2.1	18
40	Temperature tracking by North Sea benthic invertebrates in response to climate change. Global Change Biology, 2015, 21, 117-129.	9.5	111
41	Geographical limits to species-range shifts are suggested by climate velocity. Nature, 2014, 507, 492-495.	27.8	436
42	Downscaling the non-stationary effect of climate forcing on local-scale dynamics: the importance of environmental filters. Climatic Change, 2014, 124, 333-346.	3.6	13
43	Stream Habitat Fragmentation Caused by Road Networks in Spanish Low-order Forest Catchments. , 2012, , 123-138.		0
44	Temporal variability within disturbance events regulates their effects on natural communities. Oecologia, 2011, 166, 795-806.	2.0	36
45	Interactions among temporal patterns determine the effects of multiple stressors. Ecological Applications, 2010, 20, 1794-1800.	3.8	46
46	Impacts of increased sediment loads on the ecology of lakes. Biological Reviews, 2009, 84, 517-531.	10.4	124
47	Differential contribution of concentration and exposure time to sediment dose effects on stream biota. Journal of the North American Benthological Society, 2009, 28, 110-121.	3.1	31
48	Climate change and fishing are pulling the functional diversity of the world's largest marine fisheries to opposite extremes. Global Ecology and Biogeography, 0, , .	5.8	7