

Julia K Baum

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

8,105
citations

31
h-index

87
g-index

87
ext. papers

9,808
ext. citations

7.4
avg, IF

6.04
L-index

#	Paper	IF	Citations
74	Rebuilding global fisheries. <i>Science</i> , 2009 , 325, 578-85	33.3	1433
73	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018 , 359, 80-83	33.3	954
72	Cascading effects of the loss of apex predatory sharks from a coastal ocean. <i>Science</i> , 2007 , 315, 1846-50	33.3	869
71	Collapse and conservation of shark populations in the Northwest Atlantic. <i>Science</i> , 2003 , 299, 389-92	33.3	784
70	Cascading top-down effects of changing oceanic predator abundances. <i>Journal of Animal Ecology</i> , 2009 , 78, 699-714	4.7	550
69	You can swim but you can't hide: the global status and conservation of oceanic pelagic sharks and rays. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2008 , 18, 459-482	2.6	480
68	Shifting baselines and the decline of pelagic sharks in the Gulf of Mexico. <i>Ecology Letters</i> , 2004 , 7, 135-145	15	309
67	Examining the knowledge base and status of commercially exploited marine species with the RAM Legacy Stock Assessment Database. <i>Fish and Fisheries</i> , 2012 , 13, 380-398	6	243
66	Ecosystem ecology: size-based constraints on the pyramids of life. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 423-31	10.9	210
65	Effective fisheries management instrumental in improving fish stock status. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2218-2224	11.5	193
64	From archives to conservation: why historical data are needed to set baselines for marine animals and ecosystems. <i>Conservation Letters</i> , 2012 , 5, 349-359	6.9	161
63	Resilience and recovery of overexploited marine populations. <i>Science</i> , 2013 , 340, 347-9	33.3	159
62	Measuring marine fishes biodiversity: temporal changes in abundance, life history and demography. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 315-38	5.8	145
61	Re-creating missing population baselines for Pacific reef sharks. <i>Conservation Biology</i> , 2012 , 26, 493-503	6	111
60	Responses of Coral-Associated Bacterial Communities to Local and Global Stressors. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	110
59	Human, oceanographic and habitat drivers of central and western Pacific coral reef fish assemblages. <i>PLoS ONE</i> , 2015 , 10, e0120516	3.7	103
58	Eco-label conveys reliable information on fish stock health to seafood consumers. <i>PLoS ONE</i> , 2012 , 7, e43765	3.7	92

57	Differences in Reef Fish Assemblages between Populated and Remote Reefs Spanning Multiple Archipelagos Across the Central and Western Pacific. <i>Journal of Marine Biology</i> , 2011 , 2011, 1-14	1	88
56	Trends in the abundance of marine fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 1205-1210	2.4	78
55	Inferring shark population trends from generalized linear mixed models of pelagic longline catch and effort data. <i>Fisheries Research</i> , 2010 , 102, 229-239	2.3	74
54	Shifting elasmobranch community assemblage at Cocos Island--an isolated marine protected area. <i>Conservation Biology</i> , 2015 , 29, 1186-97	6	64
53	Blue Carbon Storage Capacity of Temperate Eelgrass (<i>Zostera marina</i>) Meadows. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1457-1475	5.9	57
52	Fishing degrades size structure of coral reef fish communities. <i>Global Change Biology</i> , 2017 , 23, 1009-1022	2.4	52
51	Testing and recommending methods for fitting size spectra to data. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 57-67	7.7	51
50	Global patterns and impacts of El Niño events on coral reefs: A meta-analysis. <i>PLoS ONE</i> , 2018 , 13, e0190957	3.7	49
49	Magnitude and inferred impacts of the seahorse trade in Latin America. <i>Environmental Conservation</i> , 2005 , 32, 305-319	3.3	43
48	Early effects of COVID-19 on US fisheries and seafood consumption. <i>Fish and Fisheries</i> , 2020 , 22, 232	6	40
47	Reassessing the nursery role of seagrass habitats from temperate to tropical regions: a meta-analysis. <i>Marine Ecology - Progress Series</i> , 2016 , 557, 133-143	2.6	39
46	Trends in extinction risk for imperiled species in Canada. <i>PLoS ONE</i> , 2014 , 9, e113118	3.7	38
45	Effects of bleaching-associated mass coral mortality on reef structural complexity across a gradient of local disturbance. <i>Scientific Reports</i> , 2019 , 9, 2512	4.9	37
44	Extinction risk and overfishing: reconciling conservation and fisheries perspectives on the status of marine fishes. <i>Scientific Reports</i> , 2012 , 2, 561	4.9	32
43	Marine Socio-Environmental Covariates: queryable global layers of environmental and anthropogenic variables for marine ecosystem studies. <i>Ecology</i> , 2017 , 98, 1976	4.6	28
42	Scale dependence of environmental controls on the functional diversity of coral reef fish communities. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1177-1189	6.1	23
41	Threatened Fishes of the World: <i>Hippocampus reidi</i> Ginsburg, 1933 (Syngnathidae). <i>Environmental Biology of Fishes</i> , 2002 , 64, 378-378	1.6	23
40	Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science. <i>PLoS Biology</i> , 2021 , 19, e3001282	9.7	23

39	Anthropogenic disturbance homogenizes seagrass fish communities. <i>Global Change Biology</i> , 2018 , 24, 1904-1918	11.4	22
38	Subsistence in isolation: Fishing dependence and perceptions of change on Kiritimati, the world's largest atoll. <i>Ocean and Coastal Management</i> , 2016 , 123, 1-8	3.9	22
37	Potential impacts of emerging mahi-mahi fisheries on sea turtle and elasmobranch bycatch species. <i>Biological Conservation</i> , 2011 , 144, 1841-1849	6.2	21
36	Reef sharks: recent advances in ecological understanding to inform conservation. <i>Journal of Fish Biology</i> , 2015 , 87, 1489-523	1.9	19
35	Dynamic symbioses reveal pathways to coral survival through prolonged heatwaves. <i>Nature Communications</i> , 2020 , 11, 6097	17.4	18
34	Identifying management actions that promote sustainable fisheries. <i>Nature Sustainability</i> , 2021 , 4, 440-449	4.1	17
33	Environmental conditions and herbivore biomass determine coral reef benthic community composition: implications for quantitative baselines. <i>Coral Reefs</i> , 2018 , 37, 1157-1168	4.2	17
32	Direct and indirect effects of climate change-amplified pulse heat stress events on coral reef fish communities. <i>Ecological Applications</i> , 2020 , 30, e02124	4.9	16
31	Trophic roles determine coral reef fish community size structure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016 , 73, 496-505	2.4	14
30	Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. <i>Ecology</i> , 2015 , 96, 1383-98	4.6	13
29	Threatened Fishes of the World: <i>Hippocampus erectus</i> Perry, 1810 (Syngnathidae). <i>Environmental Biology of Fishes</i> , 2002 , 65, 326-326	1.6	13
28	Using baited remote underwater videos (BRUVs) to characterize chondrichthyan communities in a global biodiversity hotspot. <i>PLoS ONE</i> , 2019 , 14, e0225859	3.7	13
27	Variable interaction outcomes of local disturbance and El Niño-induced heat stress on coral microbiome alpha and beta diversity. <i>Coral Reefs</i> , 2019 , 38, 331-345	4.2	12
26	Securing a sustainable future for US seafood in the wake of a global crisis. <i>Marine Policy</i> , 2021 , 124, 104328	3.5	12
25	Size structuring and allometric scaling relationships in coral reef fishes. <i>Journal of Animal Ecology</i> , 2017 , 86, 577-589	4.7	11
24	In situ and remotely sensed temperature comparisons on a Central Pacific atoll. <i>Coral Reefs</i> , 2019 , 38, 1343-1349	4.2	11
23	A simulation tool to scrutinise the behaviour of functional diversity metrics. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 200-206	7.7	11
22	The limitations of diversity metrics in directing global marine conservation. <i>Marine Policy</i> , 2014 , 48, 123-125	3.5	11

21	Increased diversity and concordant shifts in community structure of coral-associated Symbiodiniaceae and bacteria subjected to chronic human disturbance. <i>Molecular Ecology</i> , 2020 , 29, 2477-2491 ¹⁰	5.7	10
20	Size-based approaches to aquatic ecosystems and fisheries science: a symposium in honour of Rob Peters. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016 , 73, 471-476	2.4	10
19	Timing matters: survey timing during extended heat stress can influence perceptions of coral susceptibility to bleaching. <i>Coral Reefs</i> , 2019 , 38, 559-565	4.2	10
18	Accounting for the bin structure of data removes bias when fitting size spectra. <i>Marine Ecology - Progress Series</i> , 2020 , 636, 19-33	2.6	9
17	It is time to overcome unconscious bias in ecology. <i>Nature Ecology and Evolution</i> , 2018 , 2, 201	12.3	7
16	Sustaining Canadian marine biodiversity: Policy and statutory progress. <i>Facets</i> , 2020 , 5, 264-288	2.3	6
15	Trophic cascades and connectivity in coastal benthic marine ecosystems: a meta-analysis of experimental and observational research. <i>Marine Ecology - Progress Series</i> , 2020 , 656, 139-152	2.6	6
14	ENSO-Driven Ocean Extremes and Their Ecosystem Impacts. <i>Geophysical Monograph Series</i> , 2020 , 409-428 ¹		5
13	The utility of different acoustic indicators to describe biological sounds of a coral reef soundscape. <i>Ecological Indicators</i> , 2021 , 124, 107435	5.8	5
12	Chronic disturbance modulates symbiont (Symbiodiniaceae) beta diversity on a coral reef. <i>Scientific Reports</i> , 2020 , 10, 4492	4.9	3
11	Differences in $\delta^{15}N$ and $\delta^{13}C$ between embryonic and maternal tissues of the ovoviviparous bluntnose sixgill shark <i>Hexanchus griseus</i> . <i>Journal of Fish Biology</i> , 2020 , 96, 1060-1064	1.9	2
10	Chondrichthyans as an umbrella species-complex for conserving South African biodiversity. <i>African Journal of Marine Science</i> , 2020 , 42, 81-93	0.8	2
9	Chinook salmon exhibit long-term rearing and early marine growth in the Fraser River, British Columbia, a large urban estuary. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021 , 78, 539-550	2.4	2
8	Effects of climate-change-driven gradual and acute temperature changes on shark and ray species. <i>Journal of Animal Ecology</i> , 2021 , 90, 2547-2559	4.7	2
7	Conservation in heavily urbanized biodiverse regions requires urgent management action and attention to governance. <i>Conservation Science and Practice</i> , 2021 , 3, e310	2.2	2
6	Embracing Complexity in Coral-Algal Symbioses 2017 , 467-492		1
5	Dominance determines fish community biomass in a temperate seagrass ecosystem. <i>Ecology and Evolution</i> , 2021 , 11, 10489-10501	2.8	1
4	Coral Oxygen Isotopic Records Capture the 2015/2016 El Niño Event in the Central Equatorial Pacific. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	1

3	Microclimate predicts kelp forest extinction in the face of direct and indirect marine heatwave effects. 2022 , e2673		1
2	Inconsistent Patterns of Microbial Diversity and Composition Between Highly Similar Sequencing Protocols: A Case Study With Reef-Building Corals.. <i>Frontiers in Microbiology</i> , 2021 , 12, 740932	5.7	○
1	Impacts of heat stress on soft corals, an overlooked and highly vulnerable component of coral reef ecosystems, at a central equatorial Pacific atoll. <i>Biological Conservation</i> , 2021 , 262, 109328	6.2	○