

Julia K Baum

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

11,225
citations

109311

35
h-index

69246

77
g-index

88
all docs

88
docs citations

88
times ranked

10459
citing authors

#	ARTICLE	IF	CITATIONS
1	Rebuilding Global Fisheries. <i>Science</i> , 2009, 325, 578-585.	12.6	1,722
2	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	12.6	1,515
3	Cascading Effects of the Loss of Apex Predatory Sharks from a Coastal Ocean. <i>Science</i> , 2007, 315, 1846-1850.	12.6	1,049
4	Collapse and Conservation of Shark Populations in the Northwest Atlantic. <i>Science</i> , 2003, 299, 389-392.	12.6	949
5	Cascading top-down effects of changing oceanic predator abundances. <i>Journal of Animal Ecology</i> , 2009, 78, 699-714.	2.8	676
6	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.	2.0	573
7	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.	7.1	434
8	Shifting baselines and the decline of pelagic sharks in the Gulf of Mexico. <i>Ecology Letters</i> , 2004, 7, 135-145.	6.4	370
9	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.	5.3	311
10	Ecosystem ecology: size-based constraints on the pyramids of life. <i>Trends in Ecology and Evolution</i> , 2013, 28, 423-431.	8.7	290
11	Responses of Coral-Associated Bacterial Communities to Local and Global Stressors. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	253
12	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.	5.7	225
13	Resilience and Recovery of Overexploited Marine Populations. <i>Science</i> , 2013, 340, 347-349.	12.6	199
14	Measuring marine fish biodiversity: temporal changes in abundance, life history and demography. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 315-338.	4.0	169
15	Human, Oceanographic and Habitat Drivers of Central and Western Pacific Coral Reef Fish Assemblages. <i>PLoS ONE</i> , 2015, 10, e0120516.	2.5	145
16	Blue Carbon Storage Capacity of Temperate Eelgrass (<i>Zostera marina</i>) Meadows. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1457-1475.	4.9	130
17	Re-creating Missing Population Baselines for Pacific Reef Sharks. <i>Conservation Biology</i> , 2012, 26, 493-503.	4.7	128
18	Eco-Label Conveys Reliable Information on Fish Stock Health to Seafood Consumers. <i>PLoS ONE</i> , 2012, 7, e43765.	2.5	106

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19	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.	1.0	103
20	Early effects of COVID-19 on US fisheries and seafood consumption. <i>Fish and Fisheries</i> , 2021, 22, 232-239.	5.3	101
21	Inferring shark population trends from generalized linear mixed models of pelagic longline catch and effort data. <i>Fisheries Research</i> , 2010, 102, 229-239.	1.7	98
22	Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science. <i>PLoS Biology</i> , 2021, 19, e3001282.	5.6	98
23	Trends in the abundance of marine fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 1205-1210.	1.4	90
24	Shifting elasmobranch community assemblage at Cocos Island—an isolated marine protected area. <i>Conservation Biology</i> , 2015, 29, 1186-1197.	4.7	87
25	Testing and recommending methods for fitting size spectra to data. <i>Methods in Ecology and Evolution</i> , 2017, 8, 57-67.	5.2	84
26	Fishing degrades size structure of coral reef fish communities. <i>Global Change Biology</i> , 2017, 23, 1009-1022.	9.5	79
27	Global patterns and impacts of El Niño events on coral reefs: A meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0190957.	2.5	75
28	Dynamic symbioses reveal pathways to coral survival through prolonged heatwaves. <i>Nature Communications</i> , 2020, 11, 6097.	12.8	67
29	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.	1.9	67
30	Effects of bleaching-associated mass coral mortality on reef structural complexity across a gradient of local disturbance. <i>Scientific Reports</i> , 2019, 9, 2512.	3.3	65
31	Magnitude and inferred impacts of the seahorse trade in Latin America. <i>Environmental Conservation</i> , 2005, 32, 305-319.	1.3	63
32	Identifying management actions that promote sustainable fisheries. <i>Nature Sustainability</i> , 2021, 4, 440-449.	23.7	56
33	Extinction Risk and Overfishing: Reconciling Conservation and Fisheries Perspectives on the Status of Marine Fishes. <i>Scientific Reports</i> , 2012, 2, 561.	3.3	44
34	Trends in Extinction Risk for Imperiled Species in Canada. <i>PLoS ONE</i> , 2014, 9, e113118.	2.5	44
35	Anthropogenic disturbance homogenizes seagrass fish communities. <i>Global Change Biology</i> , 2018, 24, 1904-1918.	9.5	44
36	Scale dependence of environmental controls on the functional diversity of coral reef fish communities. <i>Global Ecology and Biogeography</i> , 2017, 26, 1177-1189.	5.8	43

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37	Marine Socio-Environmental Covariates: queryable global layers of environmental and anthropogenic variables for marine ecosystem studies. <i>Ecology</i> , 2017, 98, 1976-1976.	3.2	37
38	Environmental conditions and herbivore biomass determine coral reef benthic community composition: implications for quantitative baselines. <i>Coral Reefs</i> , 2018, 37, 1157-1168.	2.2	35
39	Threatened Fishes of the World: <i>Hippocampus reidi</i> Ginsburg, 1933 (Syngnathidae). <i>Environmental Biology of Fishes</i> , 2002, 64, 378-378.	1.0	34
40	Direct and indirect effects of climate change-amplified pulse heat stress events on coral reef fish communities. <i>Ecological Applications</i> , 2020, 30, e02124.	3.8	32
41	Potential impacts of emerging mahi-mahi fisheries on sea turtle and elasmobranch bycatch species. <i>Biological Conservation</i> , 2011, 144, 1841-1849.	4.1	29
42	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.	4.4	29
43	Reef sharks: recent advances in ecological understanding to inform conservation. <i>Journal of Fish Biology</i> , 2015, 87, 1489-1523.	1.6	28
44	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.	3.9	26
45	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.	2.8	25
46	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.	2.2	24
47	Using baited remote underwater videos (BRUVs) to characterize chondrichthyan communities in a global biodiversity hotspot. <i>PLoS ONE</i> , 2019, 14, e0225859.	2.5	24
48	Securing a sustainable future for US seafood in the wake of a global crisis. <i>Marine Policy</i> , 2021, 124, 104328.	3.2	22
49	Accounting for the bin structure of data removes bias when fitting size spectra. <i>Marine Ecology - Progress Series</i> , 2020, 636, 19-33.	1.9	22
50	Microclimate predicts kelp forest extinction in the face of direct and indirect marine heatwave effects. <i>Ecological Applications</i> , 2022, 32, e2673.	3.8	21
51	Size structuring and allometric scaling relationships in coral reef fishes. <i>Journal of Animal Ecology</i> , 2017, 86, 577-589.	2.8	20
52	Trophic roles determine coral reef fish community size structure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 496-505.	1.4	19
53	Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. <i>Ecology</i> , 2015, 96, 1383-1398.	3.2	18
54	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.	1.9	18

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55	In situ and remotely sensed temperature comparisons on a Central Pacific atoll. <i>Coral Reefs</i> , 2019, 38, 1343-1349.	2.2	17
56	Threatened Fishes of the World: <i>Hippocampus erectus</i> Perry, 1810 (Syngnathidae). <i>Environmental Biology of Fishes</i> , 2002, 65, 326-326.	1.0	16
57	Timing matters: survey timing during extended heat stress can influence perceptions of coral susceptibility to bleaching. <i>Coral Reefs</i> , 2019, 38, 559-565.	2.2	16
58	The utility of different acoustic indicators to describe biological sounds of a coral reef soundscape. <i>Ecological Indicators</i> , 2021, 124, 107435.	6.3	15
59	A simulation tool to scrutinise the behaviour of functional diversity metrics. <i>Methods in Ecology and Evolution</i> , 2018, 9, 200-206.	5.2	13
60	Chronic disturbance modulates symbiont (Symbiodiniaceae) beta diversity on a coral reef. <i>Scientific Reports</i> , 2020, 10, 4492.	3.3	13
61	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.	1.4	12
62	The limitations of diversity metrics in directing global marine conservation. <i>Marine Policy</i> , 2014, 48, 123-125.	3.2	11
63	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.	1.4	10
64	Conservation in heavily urbanized biodiverse regions requires urgent management action and attention to governance. <i>Conservation Science and Practice</i> , 2021, 3, e310.	2.0	9
65	It is time to overcome unconscious bias in ecology. <i>Nature Ecology and Evolution</i> , 2018, 2, 201-201.	7.8	8
66	Sustaining Canadian marine biodiversity: Policy and statutory progress. <i>Facets</i> , 2020, 5, 264-288.	2.4	8
67	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.	3.5	8
68	Chondrichthyans as an umbrella species-complex for conserving South African biodiversity. <i>African Journal of Marine Science</i> , 2020, 42, 81-93.	1.1	7
69	Direct and Indirect Effects of Climate Change—Amplified Pulse Heat Stress Events on Coral Reef Fish Communities. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01706.	0.2	6
70	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.	4.1	6
71	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.	1.6	3
72	Dominance determines fish community biomass in a temperate seagrass ecosystem. <i>Ecology and Evolution</i> , 2021, 11, 10489-10501.	1.9	3

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73	Coral Oxygen Isotopic Records Capture the 2015/2016 El Niño Event in the Central Equatorial Pacific. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	3
74	Identifying a pathway towards recovery for depleted wild Pacific salmon populations in a large watershed under multiple stressors. <i>Journal of Applied Ecology</i> , 2022, 59, 2212-2226.	4.0	3
75	Embracing Complexity in Coral-Algal Symbioses. , 2017, , 467-492.		2
76	Life history mediates the association between parasite abundance and geographic features. <i>Journal of Animal Ecology</i> , 2022, , .	2.8	2
77	Industrial fishing boats leave few safe havens for sharks on the high seas. <i>Nature</i> , 2019, 572, 449-450.	27.8	1