Julia K Baum

List of Publications by Year in Descending Order

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	Microclimate predicts kelp forest extinction in the face of direct and indirect marine heatwave effects. **2022**, e2673		1
73	Inconsistent Patterns of Microbial Diversity and Composition Between Highly Similar Sequencing Protocols: A Case Study With Reef-Building Corals.. *Frontiers in Microbiology*, **2021**, 12, 740932	5.7	0
72	Chinook salmon exhibit long-term rearing and early marine growth in the Fraser River, British Columbia, a large urban estuary. *Canadian Journal of Fisheries and Aquatic Sciences*, **2021**, 78, 539-550	2.4	2
71	The utility of different acoustic indicators to describe biological sounds of a coral reef soundscape. *Ecological Indicators*, **2021**, 124, 107435	5.8	5
70	Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science. *PLoS Biology*, **2021**, 19, e3001282	9.7	23
69	Effects of climate-change-driven gradual and acute temperature changes on shark and ray species. *Journal of Animal Ecology*, **2021**, 90, 2547-2559	4.7	2
68	Conservation in heavily urbanized biodiverse regions requires urgent management action and attention to governance. *Conservation Science and Practice*, **2021**, 3, e310	2.2	2
67	Identifying management actions that promote sustainable fisheries. *Nature Sustainability*, **2021**, 4, 440-449	27.1	17
66	Securing a sustainable future for US seafood in the wake of a global crisis. *Marine Policy*, **2021**, 124, 104328	3.5	12
65	Dominance determines fish community biomass in a temperate seagrass ecosystem. *Ecology and Evolution*, **2021**, 11, 10489-10501	2.8	1
64	Impacts of heat stress on soft corals, an overlooked and highly vulnerable component of coral reef ecosystems, at a central equatorial Pacific atoll. *Biological Conservation*, **2021**, 262, 109328	6.2	0
63	Coral Oxygen Isotopic Records Capture the 2015/2016 El Niño Event in the Central Equatorial Pacific. *Geophysical Research Letters*, **2021**, 48,	4.9	1
62	Increased diversity and concordant shifts in community structure of coral-associated Symbiodiniaceae and bacteria subjected to chronic human disturbance. *Molecular Ecology*, **2020**, 29, 2477-2491	5.7	10
61	Direct and indirect effects of climate change-amplified pulse heat stress events on coral reef fish communities. *Ecological Applications*, **2020**, 30, e02124	4.9	16
60	Chronic disturbance modulates symbiont (Symbiodiniaceae) beta diversity on a coral reef. *Scientific Reports*, **2020**, 10, 4492	4.9	3
59	Differences in $\delta^{15}N$ and $\delta^{13}C$ between embryonic and maternal tissues of the ovoviviparous bluntnose sixgill shark Hexanchus griseus. *Journal of Fish Biology*, **2020**, 96, 1060-1064	1.9	2
58	Effective fisheries management instrumental in improving fish stock status. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 2218-2224	11.5	193

57	Chondrichthyans as an umbrella species-complex for conserving South African biodiversity. *African Journal of Marine Science*, **2020**, 42, 81-93	0.8	2
56	Sustaining Canadian marine biodiversity: Policy and statutory progress. *Facets*, **2020**, 5, 264-288	2.3	6
55	Accounting for the bin structure of data removes bias when fitting size spectra. *Marine Ecology - Progress Series*, **2020**, 636, 19-33	2.6	9
54	Trophic cascades and connectivity in coastal benthic marine ecosystems: a meta-analysis of experimental and observational research. *Marine Ecology - Progress Series*, **2020**, 656, 139-152	2.6	6
53	ENSO-Driven Ocean Extremes and Their Ecosystem Impacts. *Geophysical Monograph Series*, **2020**, 409-428	1	5
52	Dynamic symbioses reveal pathways to coral survival through prolonged heatwaves. *Nature Communications*, **2020**, 11, 6097	17.4	18
51	Early effects of COVID-19 on US fisheries and seafood consumption. *Fish and Fisheries*, **2020**, 22, 232	6	40
50	In situ and remotely sensed temperature comparisons on a Central Pacific atoll. *Coral Reefs*, **2019**, 38, 1343-1349	4.2	11
49	Variable interaction outcomes of local disturbance and El Niño-induced heat stress on coral microbiome alpha and beta diversity. *Coral Reefs*, **2019**, 38, 331-345	4.2	12
48	Effects of bleaching-associated mass coral mortality on reef structural complexity across a gradient of local disturbance. *Scientific Reports*, **2019**, 9, 2512	4.9	37
47	Using baited remote underwater videos (BRUVs) to characterize chondrichthyan communities in a global biodiversity hotspot. *PLoS ONE*, **2019**, 14, e0225859	3.7	13
46	Timing matters: survey timing during extended heat stress can influence perceptions of coral susceptibility to bleaching. *Coral Reefs*, **2019**, 38, 559-565	4.2	10
45	Anthropogenic disturbance homogenizes seagrass fish communities. *Global Change Biology*, **2018**, 24, 1904-1918	11.4	22
44	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. *Science*, **2018**, 359, 80-83	33.3	954
43	A simulation tool to scrutinise the behaviour of functional diversity metrics. *Methods in Ecology and Evolution*, **2018**, 9, 200-206	7.7	11
42	Global patterns and impacts of El Niño events on coral reefs: A meta-analysis. *PLoS ONE*, **2018**, 13, e0190957	3.7	49
41	It is time to overcome unconscious bias in ecology. *Nature Ecology and Evolution*, **2018**, 2, 201	12.3	7
40	Environmental conditions and herbivore biomass determine coral reef benthic community composition: implications for quantitative baselines. *Coral Reefs*, **2018**, 37, 1157-1168	4.2	17

39	Blue Carbon Storage Capacity of Temperate Eelgrass (Zostera marina) Meadows. *Global Biogeochemical Cycles*, **2018**, 32, 1457-1475	5.9	57
38	Size structuring and allometric scaling relationships in coral reef fishes. *Journal of Animal Ecology*, **2017**, 86, 577-589	4.7	11
37	Embracing Complexity in Coral-Algal Symbioses **2017**, 467-492		1
36	Marine Socio-Environmental Covariates: queryable global layers of environmental and anthropogenic variables for marine ecosystem studies. *Ecology*, **2017**, 98, 1976	4.6	28
35	Scale dependence of environmental controls on the functional diversity of coral reef fish communities. *Global Ecology and Biogeography*, **2017**, 26, 1177-1189	6.1	23
34	Testing and recommending methods for fitting size spectra to data. *Methods in Ecology and Evolution*, **2017**, 8, 57-67	7.7	51
33	Fishing degrades size structure of coral reef fish communities. *Global Change Biology*, **2017**, 23, 1009-1022	12.4	52
32	Responses of Coral-Associated Bacterial Communities to Local and Global Stressors. *Frontiers in Marine Science*, **2017**, 4,	4.5	110
31	Subsistence in isolation: Fishing dependence and perceptions of change on Kiritimati, the world's largest atoll. *Ocean and Coastal Management*, **2016**, 123, 1-8	3.9	22
30	Trophic roles determine coral reef fish community size structure. *Canadian Journal of Fisheries and Aquatic Sciences*, **2016**, 73, 496-505	2.4	14
29	Reassessing the nursery role of seagrass habitats from temperate to tropical regions: a meta-analysis. *Marine Ecology - Progress Series*, **2016**, 557, 133-143	2.6	39
28	Size-based approaches to aquatic ecosystems and fisheries science: a symposium in honour of Rob Peters. *Canadian Journal of Fisheries and Aquatic Sciences*, **2016**, 73, 471-476	2.4	10
27	Shifting elasmobranch community assemblage at Cocos Island--an isolated marine protected area. *Conservation Biology*, **2015**, 29, 1186-97	6	64
26	Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. *Ecology*, **2015**, 96, 1383-98	4.6	13
25	Reef sharks: recent advances in ecological understanding to inform conservation. *Journal of Fish Biology*, **2015**, 87, 1489-523	1.9	19
24	Human, oceanographic and habitat drivers of central and western Pacific coral reef fish assemblages. *PLoS ONE*, **2015**, 10, e0120516	3.7	103
23	The limitations of diversity metrics in directing global marine conservation. *Marine Policy*, **2014**, 48, 123-125	3.5	11
22	Trends in extinction risk for imperiled species in Canada. *PLoS ONE*, **2014**, 9, e113118	3.7	38

21	Ecosystem ecology: size-based constraints on the pyramids of life. *Trends in Ecology and Evolution*, **2013**, 28, 423-31	10.9	210
20	Resilience and recovery of overexploited marine populations. *Science*, **2013**, 340, 347-9	33.3	159
19	Examining the knowledge base and status of commercially exploited marine species with the RAM Legacy Stock Assessment Database. *Fish and Fisheries*, **2012**, 13, 380-398	6	243
18	Extinction risk and overfishing: reconciling conservation and fisheries perspectives on the status of marine fishes. *Scientific Reports*, **2012**, 2, 561	4.9	32
17	Re-creating missing population baselines for Pacific reef sharks. *Conservation Biology*, **2012**, 26, 493-503	6	111
16	From archives to conservation: why historical data are needed to set baselines for marine animals and ecosystems. *Conservation Letters*, **2012**, 5, 349-359	6.9	161
15	Eco-label conveys reliable information on fish stock health to seafood consumers. *PLoS ONE*, **2012**, 7, e43765	3.7	92
14	Potential impacts of emerging mahi-mahi fisheries on sea turtle and elasmobranch bycatch species. *Biological Conservation*, **2011**, 144, 1841-1849	6.2	21
13	Differences in Reef Fish Assemblages between Populated and Remote Reefs Spanning Multiple Archipelagos Across the Central and Western Pacific. *Journal of Marine Biology*, **2011**, 2011, 1-14	1	88
12	Inferring shark population trends from generalized linear mixed models of pelagic longline catch and effort data. *Fisheries Research*, **2010**, 102, 229-239	2.3	74
11	Trends in the abundance of marine fishes. *Canadian Journal of Fisheries and Aquatic Sciences*, **2010**, 67, 1205-1210	2.4	78
10	Cascading top-down effects of changing oceanic predator abundances. *Journal of Animal Ecology*, **2009**, 78, 699-714	4.7	550
9	Rebuilding global fisheries. *Science*, **2009**, 325, 578-85	33.3	1433
8	You can swim but you can't hide: the global status and conservation of oceanic pelagic sharks and rays. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2008**, 18, 459-482	2.6	480
7	Cascading effects of the loss of apex predatory sharks from a coastal ocean. *Science*, **2007**, 315, 1846-50	33.3	869
6	Magnitude and inferred impacts of the seahorse trade in Latin America. *Environmental Conservation* , **2005**, 32, 305-319	3.3	43
5	Measuring marine fishes biodiversity: temporal changes in abundance, life history and demography. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 315-38	5.8	145
4	Shifting baselines and the decline of pelagic sharks in the Gulf of Mexico. *Ecology Letters*, **2004**, 7, 135-145	15	309

3	Collapse and conservation of shark populations in the Northwest Atlantic. *Science*, **2003**, 299, 389-92	33.3	784
2	Threatened Fishes of the World: Hippocampus reidi Ginsburg, 1933 (Syngnathidae). *Environmental Biology of Fishes*, **2002**, 64, 378-378	1.6	23
1	Threatened Fishes of the World: Hippocampus erectus Perry, 1810 (Syngnathidae). *Environmental Biology of Fishes*, **2002**, 65, 326-326	1.6	13