

Matthew E S Bracken

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.

54
papers

5,460
citations

25
h-index

56
g-index

56
ext. papers

6,255
ext. citations

4.7
avg, IF

5.23
L-index

#	Paper	IF	Citations
54	Global analysis of nitrogen and phosphorus limitation of primary producers in freshwater, marine and terrestrial ecosystems. <i>Ecology Letters</i> , 2007 , 10, 1135-42	10	2689
53	Nutrient co-limitation of primary producer communities. <i>Ecology Letters</i> , 2011 , 14, 852-62	10	575
52	A cross-system synthesis of consumer and nutrient resource control on producer biomass. <i>Ecology Letters</i> , 2008 , 11, 740-55	10	289
51	Consumer versus resource control of producer diversity depends on ecosystem type and producer community structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10904-9	11.5	264
50	Coastal oceanography sets the pace of rocky intertidal community dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12229-34	11.5	199
49	Functional consequences of realistic biodiversity changes in a marine ecosystem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 924-8	11.5	146
48	Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. <i>Ecology Letters</i> , 2009 , 12, 516-27	10	124
47	Seaweed diversity enhances nitrogen uptake via complementary use of nitrate and ammonium. <i>Ecology</i> , 2006 , 87, 2397-403	4.6	110
46	DIVERSITY ENHANCES COVER AND STABILITY OF SEAWEED ASSEMBLAGES: THE ROLE OF HETEROGENEITY AND TIME. <i>Ecology</i> , 2008 , 89, 3008-3019	4.6	101
45	Signatures of nutrient limitation and co-limitation: responses of autotroph internal nutrient concentrations to nitrogen and phosphorus additions. <i>Oikos</i> , 2015 , 124, 113-121	4	84
44	Realistic losses of rare species disproportionately impact higher trophic levels. <i>Ecology Letters</i> , 2012 , 15, 461-7	10	84
43	Complementarity in marine biodiversity manipulations: reconciling divergent evidence from field and mesocosm experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18842-7	11.5	72
42	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. <i>Oikos</i> , 2017 , 126, 8-17	4	60
41	Whole-community mutualism: associated invertebrates facilitate a dominant habitat-forming seaweed. <i>Ecology</i> , 2007 , 88, 2211-9	4.6	49
40	DIVERSITY OF INTERTIDAL MACROALGAE INCREASES WITH NITROGEN LOADING BY INVERTEBRATES. <i>Ecology</i> , 2004 , 85, 2828-2836	4.6	49
39	Impacts of a simulated heat wave on composition of a marine community. <i>Oikos</i> , 2010 , 119, 1909-1918	4	47
38	INVERTEBRATE-MEDIATED NUTRIENT LOADING INCREASES GROWTH OF AN INTERTIDAL MACROALGA1. <i>Journal of Phycology</i> , 2004 , 40, 1032-1041	3	43

37	Global biogeography of autotroph chemistry: is insolation a driving force?. <i>Oikos</i> , 2013 , 122, 1121-1130	4	42
36	Local-scale nutrient regeneration facilitates seaweed growth on wave-exposed rocky shores in an upwelling system. <i>Limnology and Oceanography</i> , 2009 , 54, 309-317	4.8	39
35	Realistic changes in seaweed biodiversity affect multiple ecosystem functions on a rocky shore. <i>Ecology</i> , 2013 , 94, 1944-54	4.6	35
34	Nitrogen availability limits phosphorus uptake in an intertidal macroalga. <i>Oecologia</i> , 2014 , 175, 667-76	2.9	34
33	Mussel selectivity for high-quality food drives carbon inputs into open-coast intertidal ecosystems. <i>Marine Ecology - Progress Series</i> , 2012 , 459, 53-62	2.6	32
32	Ecological Factors Affecting Community Invasibility. <i>Ecological Studies</i> , 2009 , 215-238	1.1	28
31	Nutrient enrichment alters the consequences of species loss. <i>Journal of Ecology</i> , 2015 , 103, 862-870	6	27
30	Additive effects of physical stress and herbivores on intertidal seaweed biodiversity. <i>Ecology</i> , 2013 , 94, 1089-101	4.6	26
29	Plant-animal diversity relationships in a rocky intertidal system depend on invertebrate body size and algal cover. <i>Ecology</i> , 2014 , 95, 1308-22	4.6	21
28	Consumers control diversity and functioning of a natural marine ecosystem. <i>PLoS ONE</i> , 2009 , 4, e5291	3.7	20
27	Herbivores, tidal elevation, and species richness simultaneously mediate nitrate uptake by seaweed assemblages. <i>Ecology</i> , 2011 , 92, 1083-93	4.6	17
26	Invasion of the red seaweed <i>Heterosiphonia japonica</i> spans biogeographic provinces in the Western North Atlantic Ocean. <i>PLoS ONE</i> , 2013 , 8, e62261	3.7	15
25	Top-down modification of bottom-up processes: selective grazing reduces macroalgal nitrogen uptake. <i>Marine Ecology - Progress Series</i> , 2007 , 330, 75-82	2.6	14
24	Alternative state? Experimentally induced <i>Fucus</i> canopy persists 38yr in an <i>Ascophyllum</i> -dominated community. <i>Ecosphere</i> , 2017 , 8, e01725	3.1	11
23	Species, community, and ecosystem-level responses following the invasion of the red alga <i>Dasysiphonia japonica</i> to the western North Atlantic Ocean. <i>Biological Invasions</i> , 2017 , 19, 537-547	2.7	11
22	Warming and Elevated CO2 Interact to Drive Rapid Shifts in Marine Community Production. <i>PLoS ONE</i> , 2015 , 10, e0145191	3.7	11
21	Herbivores, tidal elevation, and species richness simultaneously mediate nitrate uptake by seaweed assemblages 2011 , 92, 1083		11
20	Nitrate uptake varies with tide height and nutrient availability in the intertidal seaweed <i>Fucus vesiculosus</i> . <i>Journal of Phycology</i> , 2016 , 52, 863-876	3	11

19	Spatial scale mediates the effects of biodiversity on marine primary producers. <i>Ecology</i> , 2017 , 98, 1434-1443	4.6	9
18	Community context mediates the top-down vs. bottom-up effects of grazers on rocky shores. <i>Ecology</i> , 2014 , 95, 1458-63	4.6	8
17	Primary producers may ameliorate impacts of daytime CO addition in a coastal marine ecosystem. <i>PeerJ</i> , 2018 , 6, e4739	3.1	8
16	Nutritional drivers of adult locomotion and asexual reproduction in a symbiont-hosting sea anemone <i>Exaiptasia diaphana</i> . <i>Marine Biology</i> , 2020 , 167, 1	2.5	7
15	Reality check: issues of scale and abstraction in biodiversity research, and potential solutions 2012 , 185-199		7
14	Stoichiometric Mismatch between Consumers and Resources Mediates the Growth of Rocky Intertidal Suspension Feeders. <i>Frontiers in Microbiology</i> , 2017 , 8, 1297	5.7	6
13	Invader traits and community context contribute to the recent invasion success of the macroalga <i>Heterosiphonia japonica</i> on New England rocky reefs. <i>Biological Invasions</i> , 2015 , 17, 257-271	2.7	5
12	The underappreciated role of life history in mediating the functional consequences of biodiversity change. <i>Oikos</i> , 2017 , 126, 488-496	4	4
11	Quantifying the top-down effects of grazers on a rocky shore: selective grazing and the potential for competition. <i>Marine Ecology - Progress Series</i> , 2016 , 553, 49-66	2.6	3
10	When one foundation species supports another: Tubeworms facilitate an extensive kelp bed in a soft-sediment habitat. <i>Ecosphere</i> , 2018 , 9, e02429	3.1	3
9	Flexibility of nutritional strategies within a mutualism: food availability affects algal symbiont productivity in two congeneric sea anemone species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201860	4.4	2
8	Complementarity in spatial subsidies of carbon associated with resource partitioning along multiple niche axes. <i>Oecologia</i> , 2020 , 193, 425-436	2.9	2
7	The Role of Biodiversity for the Functioning of Rocky Reef Communities. <i>Ecological Studies</i> , 2009 , 361-373	3.1	2
6	Changes in biodiversity and species associations along a latitudinal gradient. <i>Frontiers of Biogeography</i> , 2018 , 10,	2.9	2
5	Interactive effects of large- and local-scale environmental gradients on phenotypic differentiation. <i>Ecology</i> , 2020 , 101, e03078	4.6	1
4	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951-2018). <i>Estuaries and Coasts</i> , 2021 , 44, 304-311	2.8	1
3	Intertidal Canopy-forming Seaweeds Modulate Understory Seaweed Photoprotective Compounds. <i>Journal of Phycology</i> , 2021 , 57, 645-654	3	0
2	Accounting for variation in temperature and oxygen availability when quantifying marine ecosystem metabolism.. <i>Scientific Reports</i> , 2022 , 12, 825	4.9	

- 1 Predicting rates of consumer-mediated nutrient cycling by a diverse herbivore assemblage. *Marine Biology*, **2018**, 165, 1 2.5