

Matthew E S Bracken

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

6,937
citations

236612

25
h-index

174990

52
g-index

56
all docs

56
docs citations

56
times ranked

8727
citing authors

#	ARTICLE	IF	CITATIONS
1	Global analysis of nitrogen and phosphorus limitation of primary producers in freshwater, marine and terrestrial ecosystems. <i>Ecology Letters</i> , 2007, 10, 1135-1142.	3.0	3,460
2	Nutrient co-limitation of primary producer communities. <i>Ecology Letters</i> , 2011, 14, 852-862.	3.0	747
3	A cross-system synthesis of consumer and nutrient resource control on producer biomass. <i>Ecology Letters</i> , 2008, 11, 740-755.	3.0	334
4	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, 10904-10909.	3.3	302
5	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, 12229-12234.	3.3	246
6	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, 924-928.	3.3	170
7	Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. <i>Ecology Letters</i> , 2009, 12, 516-527.	3.0	144
8	SEAWEED DIVERSITY ENHANCES NITROGEN UPTAKE VIA COMPLEMENTARY USE OF NITRATE AND AMMONIUM. <i>Ecology</i> , 2006, 87, 2397-2403.	1.5	133
9	Realistic losses of rare species disproportionately impact higher trophic levels. <i>Ecology Letters</i> , 2012, 15, 461-467.	3.0	119
10	DIVERSITY ENHANCES COVER AND STABILITY OF SEAWEED ASSEMBLAGES: THE ROLE OF HETEROGENEITY AND TIME. <i>Ecology</i> , 2008, 89, 3008-3019.	1.5	109
11	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.	1.2	109
12	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. <i>Oikos</i> , 2017, 126, 8-17.	1.2	87
13	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, 18842-18847.	3.3	84
14	DIVERSITY OF INTERTIDAL MACROALGAE INCREASES WITH NITROGEN LOADING BY INVERTEBRATES. <i>Ecology</i> , 2004, 85, 2828-2836.	1.5	68
15	Impacts of a simulated heat wave on composition of a marine community. <i>Oikos</i> , 2010, 119, 1909-1918.	1.2	68
16	WHOLE-COMMUNITY MUTUALISM: ASSOCIATED INVERTEBRATES FACILITATE A DOMINANT HABITAT-FORMING SEAWEED. <i>Ecology</i> , 2007, 88, 2211-2219.	1.5	57
17	INVERTEBRATE-MEDIATED NUTRIENT LOADING INCREASES GROWTH OF AN INTERTIDAL MACROALGA. <i>Journal of Phycology</i> , 2004, 40, 1032-1041.	1.0	53
18	Global biogeography of autotroph chemistry: is insolation a driving force?. <i>Oikos</i> , 2013, 122, 1121-1130.	1.2	50

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19	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.	1.6	46
20	Nitrogen availability limits phosphorus uptake in an intertidal macroalga. <i>Oecologia</i> , 2014, 175, 667-676.	0.9	46
21	Realistic changes in seaweed biodiversity affect multiple ecosystem functions on a rocky shore. <i>Ecology</i> , 2013, 94, 1944-1954.	1.5	45
22	Mussel selectivity for high-quality food drives carbon inputs into open-coast intertidal ecosystems. <i>Marine Ecology - Progress Series</i> , 2012, 459, 53-62.	0.9	42
23	Additive effects of physical stress and herbivores on intertidal seaweed biodiversity. <i>Ecology</i> , 2013, 94, 1089-1101.	1.5	42
24	Ecological Factors Affecting Community Invasibility. <i>Ecological Studies</i> , 2009, , 215-238.	0.4	41
25	Nutrient enrichment alters the consequences of species loss. <i>Journal of Ecology</i> , 2015, 103, 862-870.	1.9	30
26	Plant–animal diversity relationships in a rocky intertidal system depend on invertebrate body size and algal cover. <i>Ecology</i> , 2014, 95, 1308-1322.	1.5	28
27	Consumers Control Diversity and Functioning of a Natural Marine Ecosystem. <i>PLoS ONE</i> , 2009, 4, e5291.	1.1	26
28	Herbivores, tidal elevation, and species richness simultaneously mediate nitrate uptake by seaweed assemblages. <i>Ecology</i> , 2011, 92, 1083-1093.	1.5	21
29	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.	1.1	20
30	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.	0.7	19
31	Warming and Elevated CO ₂ Interact to Drive Rapid Shifts in Marine Community Production. <i>PLoS ONE</i> , 2015, 10, e0145191.	1.1	18
32	Top-down modification of bottom-up processes: selective grazing reduces macroalgal nitrogen uptake. <i>Marine Ecology - Progress Series</i> , 2007, 330, 75-82.	0.9	17
33	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.	1.0	16
34	Alternative state? Experimentally induced <i>Fucus</i> canopy persists 38 yr in an <i>Ascophyllum</i> -dominated community. <i>Ecosphere</i> , 2017, 8, e01725.	1.0	15
35	Spatial scale mediates the effects of biodiversity on marine primary producers. <i>Ecology</i> , 2017, 98, 1434-1443.	1.5	14
36	Community context mediates the top-down vs. bottom-up effects of grazers on rocky shores. <i>Ecology</i> , 2014, 95, 1458-1463.	1.5	13

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37	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.	1.2	13
38	Stoichiometric Mismatch between Consumers and Resources Mediates the Growth of Rocky Intertidal Suspension Feeders. <i>Frontiers in Microbiology</i> , 2017, 8, 1297.	1.5	11
39	Herbivores, tidal elevation, and species richness simultaneously mediate nitrate uptake by seaweed assemblages. <i>Ecology</i> , 2011, 92, 1083-1093.	1.5	11
40	Primary producers may ameliorate impacts of daytime CO ₂ addition in a coastal marine ecosystem. <i>PeerJ</i> , 2018, 6, e4739.	0.9	11
41	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.	1.2	8
42	Reality check: issues of scale and abstraction in biodiversity research, and potential solutions. , 2012, , 185-199.		8
43	The underappreciated role of life history in mediating the functional consequences of biodiversity change. <i>Oikos</i> , 2017, 126, 488-496.	1.2	5
44	When one foundation species supports another: Tubeworms facilitate an extensive kelp bed in a soft-sediment habitat. <i>Ecosphere</i> , 2018, 9, e02429.	1.0	5
45	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.	1.2	5
46	Accounting for variation in temperature and oxygen availability when quantifying marine ecosystem metabolism. <i>Scientific Reports</i> , 2022, 12, 825.	1.6	4
47	Interactive effects of large- and local-scale environmental gradients on phenotypic differentiation. <i>Ecology</i> , 2020, 101, e03078.	1.5	3
48	Intertidal Canopy-forming Seaweeds Modulate Understory Seaweed Photoprotective Compounds. <i>Journal of Phycology</i> , 2021, 57, 645-654.	1.0	3
49	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.	0.9	3
50	Changes in biodiversity and species associations along a latitudinal gradient. <i>Frontiers of Biogeography</i> , 2018, 10, .	0.8	2
51	Complementarity in spatial subsidies of carbon associated with resource partitioning along multiple niche axes. <i>Oecologia</i> , 2020, 193, 425-436.	0.9	2
52	The Role of Biodiversity for the Functioning of Rocky Reef Communities. <i>Ecological Studies</i> , 2009, , 361-373.	0.4	2
53	Predicting rates of consumer-mediated nutrient cycling by a diverse herbivore assemblage. <i>Marine Biology</i> , 2018, 165, 1.	0.7	1
54	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951-2018). <i>Estuaries and Coasts</i> , 2021, 44, 304-311.	1.0	1

#	ARTICLE	IF	CITATIONS
55	A lack of clear dietary differences between ontogenetic stages of invasive slippersnails provides important insights into resource use and potential inter- and intra-specific competition. Peer Community in Ecology, 0, , .	0.0	0
56	Changes in biodiversity and species associations along a latitudinal gradient. Frontiers of Biogeography, 2018, 10, .	0.8	0