Bruce A Menge

List of Publications by Year
in descending order

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110 papers	16,072 citations	23567 58 h-index	30087 103 g-index
111 all docs	111 docs citations	111 times ranked	9890 citing authors

#	Article	IF	Citations
1	Increasing instability of a rocky intertidal meta-ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
2	<scp>El NiÃ±o</scp> and marine heatwaves: Ecological impacts on <scp>Oregon</scp> rocky intertidal kelp communities at local to regional scales. Ecological Monographs, 2022, 92, .	5.4	10
3	Biogeography of macrophyte productivity: Effects of oceanic and climatic regimes across spatiotemporal scales. Limnology and Oceanography, 2021, 66, 711-726.	3.1	3
4	Keystone predation: traitâ€based or driven by extrinsic processes? Assessment using a comparativeâ€experimental approach. Ecological Monographs, 2021, 91, .	5.4	7
5	Biogeography of ocean acidification: Differential field performance of transplanted mussels to upwelling-driven variation in carbonate chemistry. PLoS ONE, 2020, 15, e0234075.	2.5	7
6	Biogeography of Macrophyte Elemental Composition: Spatiotemporal Modification of Species-Level Traits. Ecosystems, 2020, 23, 1494-1522.	3.4	6
7	Remote sensing: generation of longâ€term kelp bed data sets for evaluation of impacts of climatic variation. Ecology, 2020, 101, e03031.	3.2	38
8	Testing the intermittent upwelling hypothesis: comment. Ecology, 2019, 100, e02476.	3.2	12
9	North-East Pacific. , 2019, , 237-259.		1
10	Integrating Coastal Oceanic and Benthic Ecological Approaches for Understanding Large-Scale Meta-Ecosystem Dynamics. Oceanography, 2019, 32, 38-49.	1.0	11
11	Regional processes are stronger determinants of rocky intertidal community dynamics than local biotic interactions. Ecology, 2019, 100, e02763.	3.2	16
12	Connectivity, Dispersal, and Recruitment: Connecting Benthic Communities and the Coastal Ocean. Oceanography, 2019, 32, 50-59.	1.0	34
13	Quantitative Biogeography: Large-Scale, Long-Term Change in the Rocky Intertidal Region of the California Current Large Marine Ecosystem. Oceanography, 2019, 32, 26-37.	1.0	8
14	Fundamental contradictions among observational and experimental estimates of nonâ€trophic species interactions. Ecology, 2018, 99, 557-566.	3.2	89
15	The multifactorial effects of dispersal on biodiversity in environmentally forced metacommunities. Ecosphere, 2018, 9, e02357.	2.2	1
16	Generality in multispecies responses to ocean acidification revealed through multiple hypothesis testing. Global Change Biology, 2018, 24, 4464-4477.	9.5	13
17	Alternative state? Experimentally induced F ucus canopy persists 38Âyr in an A scophyllumâ€dominated community. Ecosphere, 2017, 8, e01725.	2.2	15
18	Grazer impacts on algal community structure vary with the coastal upwelling regime. Journal of Experimental Marine Biology and Ecology, 2017, 488, 10-23.	1.5	12

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19	Transformative Research Is Not Easily Predicted. Trends in Ecology and Evolution, 2017, 32, 825-834.	8.7	30
20	Incorporating Context Dependency of Species Interactions in Species Distribution Models. Integrative and Comparative Biology, 2017, 57, 159-167.	2.0	12
21	Longâ€term declines in an intertidal foundation species parallel shifts in community composition. Global Change Biology, 2017, 23, 341-352.	9.5	105
22	Robert Treat Paine III, 1933-2016. Bulletin of the Ecological Society of America, 2016, 97, 359-363.	0.2	2
23	Interacting environmental mosaics drive geographic variation in mussel performance and predation vulnerability. Ecology Letters, 2016, 19, 771-779.	6.4	118
24	The complex net effect of reciprocal interactions and recruitment facilitation maintains an intertidal kelp community. Journal of Ecology, 2016, 104, 33-43.	4.0	29
25	A keystone ecologist: Robert Treat Paine, 1933â€“2016. Ecology, 2016, 97, 2905-2909.	3.2	3
26	Long-term, high frequency in situ measurements of intertidal mussel bed temperatures using biomimetic sensors. Scientific Data, 2016, 3, 160087.	5.3	69
27	Sea Star Wasting Disease in the Keystone Predator Pisaster ochraceus in Oregon: Insights into Differential Population Impacts, Recovery, Predation Rate, and Temperature Effects from Long-Term Research. PLoS ONE, 2016, 11, e0153994.	2.5	114
28	Bottom-up and top-down interactions in coastal interface systems. , 2015, , 157-200.		8
29	Are large macroalgal blooms necessarily bad? nutrient impacts on seagrass in upwelling-influenced estuaries. , 2015, 25, 1330-1347.		20
30	Intensification and spatial homogenization of coastal upwelling under climate change. Nature, 2015, 518, 390-394.	27.8	331
31	Ocean acidification research in the â€˜post-genomicâ€™ era: Roadmaps from the purple sea urchin Strongylocentrotus purpuratus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 185, 33-42.	1.8	18
32	Are metaâ€ecosystems organized hierarchically? A model and test in rocky intertidal habitats. Ecological Monographs, 2015, 85, 213-233.	5.4	72
33	Biogeographic structure of the northeastern Pacific rocky intertidal: the role of upwelling and dispersal to drive patterns. Ecography, 2015, 38, 83-95.	4.5	53
34	Oceanographic and climatic variation drive topâ€down/bottomâ€up coupling in the GalÃ¡pagos intertidal metaâ€ecosystem. Ecological Monographs, 2014, 84, 411-434.	5.4	38
35	Dynamics of coastal metaâ€ecosystems: the intermittent upwelling hypothesis and a test in rocky intertidal regions. Ecological Monographs, 2013, 83, 283-310.	5.4	116
36	Transcriptomic responses to ocean acidification in larval sea urchins from a naturally variable <scp>pH</scp> environment. Molecular Ecology, 2013, 22, 1609-1625.	3.9	118

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37	Designing effective reserve networks for nonequilibrium metacommunities. Ecological Applications, 2013, 23, 1488-1503.	3.8	19
38	Keystone Species. , 2013, , 442-457.		4
39	Transcriptome profiles link environmental variation and physiological response of Mytilus californianus between Pacific tides. Functional Ecology, 2012, 26, 144-155.	3.6	61
40	Climateâ€driven trends and ecological implications of eventâ€scale upwelling in the <scp>C</scp>alifornia <scp>C</scp>urrent <scp>S</scp>ystem. Global Change Biology, 2012, 18, 783-796.	9.5	71
41	Nearshore chlorophyll-a events and wave-driven transport. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	17
42	Potential impact of climate-related changes is buffered by differential responses to recruitment and interactions. Ecological Monographs, 2011, 81, 493-509.	5.4	34
43	Recruitment facilitation can promote coexistence and buffer population growth in metacommunities. Ecology Letters, 2011, 14, 1201-1210.	6.4	18
44	Linking long-term, large-scale climatic and environmental variability to patterns of marine invertebrate recruitment: Toward explaining â€œunexplainedâ€•variation. Journal of Experimental Marine Biology and Ecology, 2011, 400, 236-249.	1.5	63
45	Ecological subsidies to rocky intertidal communities: Linear or non-linear changes along a consistent geographic upwelling transition?. Journal of Experimental Marine Biology and Ecology, 2011, 409, 361-370.	1.5	19
46	Context-Dependent Eelgrassâ€“Macroalgae Interactions Along an Estuarine Gradient in the Pacific Northwest, USA. Estuaries and Coasts, 2011, 34, 1169-1181.	2.2	29
47	Supply-side ecology, barnacle recruitment, and rocky intertidal community dynamics: Do settlement surface and limpet disturbance matter?. Journal of Experimental Marine Biology and Ecology, 2010, 392, 160-175.	1.5	32
48	Ecological processes can synchronize marine population dynamics over continental scales. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8281-8286.	7.1	72
49	Climatic variation alters supplyâ€side ecology: impact of climate patterns on phytoplankton and mussel recruitment. Ecological Monographs, 2009, 79, 379-395.	5.4	93
50	Current reversals as determinants of intertidal recruitment on the central Oregon coast. ICES Journal of Marine Science, 2009, 66, 396-407.	2.5	37
51	Thermal indices of upwelling effects on inner-shelf habitats. Progress in Oceanography, 2009, 83, 278-287.	3.2	62
52	Effects of consumers and enrichment on abundance and diversity of benthic algae in a rocky intertidal community. Journal of Experimental Marine Biology and Ecology, 2009, 369, 155-164.	1.5	33
53	Terrestrial ecologists ignore aquatic literature: Asymmetry in citation breadth in ecological publications and implications for generality and progress in ecology. Journal of Experimental Marine Biology and Ecology, 2009, 377, 93-100.	1.5	50
54	Experimental assessment of the effects of shade on an intertidal kelp: Do phytoplankton blooms inhibit growth of open coast macroalgae?. Limnology and Oceanography, 2009, 54, 276-288.	3.1	44

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55	Do terrestrial ecologists ignore aquatic literature?. Frontiers in Ecology and the Environment, 2009, 7, 182-183.	4.0	15
56	Response of a rocky intertidal ecosystem engineer and community dominant to climate change. Ecology Letters, 2008, 11, 151-162.	6.4	102
57	Effects of environmental stress on intertidal mussels and their sea star predators. Oecologia, 2008, 156, 671-680.	2.0	74
58	The surf zone: a semi-permeable barrier to onshore recruitment of invertebrate larvae?. Journal of Experimental Marine Biology and Ecology, 2008, 361, 59-74.	1.5	78
59	INTERHEMISPHERIC COMPARISON OF RECRUITMENT TO INTERTIDAL COMMUNITIES: PATTERN PERSISTENCE AND SCALES OF VARIATION. Ecology, 2008, 89, 1308-1322.	3.2	92
60	INTERTIDAL MUSSELS EXHIBIT ENERGETIC TRADE-OFFS BETWEEN REPRODUCTION AND STRESS RESISTANCE. Ecological Monographs, 2008, 78, 387-402.	5.4	119
61	Scales of Dispersal and the Biogeography of Marine Predatorâ€Prey Interactions. American Naturalist, 2008, 171, 405-417.	2.1	59
62	Delayed upwelling alters nearshore coastal ocean ecosystems in the northern California current. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3719-3724.	7.1	286
63	Persistent regional variation in populations of a tidepool fish. Journal of Experimental Marine Biology and Ecology, 2007, 346, 8-20.	1.5	6
64	Cross-scale variation in top-down and bottom-up control of algal abundance. Journal of Experimental Marine Biology and Ecology, 2007, 347, 8-29.	1.5	28
65	Environmental stress decreases survival, growth, and reproduction in New Zealand mussels. Journal of Experimental Marine Biology and Ecology, 2007, 351, 83-91.	1.5	141
66	MOSAIC PATTERNS OF THERMAL STRESS IN THE ROCKY INTERTIDAL ZONE: IMPLICATIONS FOR CLIMATE CHANGE. Ecological Monographs, 2006, 76, 461-479.	5.4	392
67	Fifteen degrees of separation: Latitudinal gradients of rocky intertidal biota along the California Current. Limnology and Oceanography, 2006, 51, 2564-2585.	3.1	74
68	PHYSIOLOGICAL SNAPSHOTS REFLECT ECOLOGICAL PERFORMANCE OF THE SEA PALM, POSTELSIA PALMAEFORMIS (PHAEOPHYCAEA) ACROSS INTERTIDAL ELEVATION AND EXPOSURE GRADIENTS1. Journal of Phycology, 2006, 42, 548-559.	2.3	18
69	Stasis or kinesis? Hidden dynamics of a rocky intertidal macrophyte mosaic revealed by a spatially explicit approach. Journal of Experimental Marine Biology and Ecology, 2005, 314, 3-39.	1.5	34
70	Barnacle reproductive hotspots linked to nearshore ocean conditions. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10534-10539.	7.1	105
71	Wind-driven inner-shelf circulation off central Oregon during summer. Journal of Geophysical Research, 2005, 110, .	3.3	100
72	SPECIES INTERACTION STRENGTH: TESTING MODEL PREDICTIONS ALONG AN UPWELLING GRADIENT. Ecological Monographs, 2004, 74, 663-684.	5.4	166

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73	Upwelling-driven nearshore hypoxia signals ecosystem and oceanographic changes in the northeast Pacific. Nature, 2004, 429, 749-754.	27.8	492
74	Mussel Disturbance Dynamics: Signatures of Oceanographic Forcing from Local Interactions. American Naturalist, 2003, 161, 889-904.	2.1	119
75	2. The Overriding Importance of Environmental Context in Determining the Outcome of Species-Deletion Experiments. , 2003, , 16-43.		8
76	Environmental Stress, Bottom-up Effects, and Community Dynamics: Integrating Molecular-Physiological and Ecological Approaches. Integrative and Comparative Biology, 2002, 42, 892-908.	2.0	72
77	Inter-hemispheric comparison of bottom-up effects on community structure: Insights revealed using the comparative-experimental approach. Ecological Research, 2002, 17, 1-16.	1.5	78
78	PHYSIOLOGY OF THE ROCKY INTERTIDAL PREDATORNUCELLA OSTRINAALONG AN ENVIRONMENTAL STRESS GRADIENT. Ecology, 2001, 82, 2816-2829.	3.2	74
79	A LATITUDINAL GRADIENT IN RECRUITMENT OF INTERTIDAL INVERTEBRATES IN THE NORTHEAST PACIFIC OCEAN. Ecology, 2001, 82, 1799-1813.	3.2	263
80	A Latitudinal Gradient in Recruitment of Intertidal Invertebrates in the Northeast Pacific Ocean. Ecology, 2001, 82, 1799.	3.2	7
81	SPECIES INTERACTIONS IN INTERTIDAL FOOD WEBS: PREY OR PREDATION REGULATION OF INTERMEDIATE PREDATORS?. Ecology, 2000, 81, 2264-2277.	3.2	56
82	Top-down and bottom-up community regulation in marine rocky intertidal habitats. Journal of Experimental Marine Biology and Ecology, 2000, 250, 257-289.	1.5	397
83	RECRUITMENT VS. POSTRECRUITMENT PROCESSES AS DETERMINANTS OF BARNACLE POPULATION ABUNDANCE. Ecological Monographs, 2000, 70, 265-288.	5.4	157
84	Recruitment vs. Postrecruitment Processes as Determinants of Barnacle Population Abundance. Ecological Monographs, 2000, 70, 265.	5.4	3
85	QUANTIFYING VARIATION IN THE STRENGTHS OF SPECIES INTERACTIONS. Ecology, 1999, 80, 2206-2224.	3.2	220
86	TOP-DOWN AND BOTTOM-UP REGULATION OF NEW ZEALAND ROCKY INTERTIDAL COMMUNITIES. Ecological Monographs, 1999, 69, 297-330.	5.4	181
87	Rocky intertidal oceanography: An association between community structure and nearshore phytoplankton concentration. Limnology and Oceanography, 1997, 42, 57-66.	3.1	150
88	Challenges in the Quest for Keystones. BioScience, 1996, 46, 609-620.	4.9	1,557
89	The Role of Indirect Effects in Food Webs. , 1996, , 371-395.		217
90	Keystone Predation and Interaction Strength: Interactive Effects of Predators on Their Main Prey. Ecological Monographs, 1996, 66, 409-429.	5.4	213

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91	Indirect Effects in Marine Rocky Intertidal Interaction Webs: Patterns and Importance. Ecological Monographs, 1995, 65, 21-74.	5.4	621
92	The Keystone Species Concept: Variation in Interaction Strength in a Rocky Intertidal Habitat. Ecological Monographs, 1994, 64, 249-286.	5.4	611
93	Community Regulation: Under What Conditions Are Bottom-Up Factors Important on Rocky Shores?. Ecology, 1992, 73, 755-765.	3.2	343
94	Relative importance of recruitment and other causes of variation in rocky intertidal community structure. Journal of Experimental Marine Biology and Ecology, 1991, 146, 69-100.	1.5	194
95	Generalizing from experiments: is predation strong or weak in the New England rocky intertidal?. Oecologia, 1991, 88, 1-8.	2.0	39
96	Role of scale and environmental factors in regulation of community structure. Trends in Ecology and Evolution, 1990, 5, 52-57.	8.7	420
97	Community Regulation: Variation in Disturbance, Competition, and Predation in Relation to Environmental Stress and Recruitment. American Naturalist, 1987, 130, 730-757.	2.1	1,343
98	A test of the Menge-Sutherland model of community organization in a tropical rocky intertidal food web. Oecologia, 1986, 71, 75-89.	2.0	72
99	Diversity, heterogeneity and consumer pressure in a tropical rocky intertidal community. Oecologia, 1985, 65, 394-405.	2.0	130
100	Components of predation intensity in the low zone of the New England rocky intertidal region. Oecologia, 1983, 58, 141-155.	2.0	133
101	Community Organization in Temperate and Tropical Rocky Intertidal Habitats: Prey Refuges in Relation to Consumer Pressure Gradients. Ecological Monographs, 1981, 51, 429-450.	5.4	353
102	Coexistence between the seastars Asterias vulgaris and A. forbesi in a heterogeneous environment: A non-equilibrium explanation. Oecologia, 1979, 41, 245-272.	2.0	85
103	Predation intensity in a rocky intertidal community. Oecologia, 1978, 34, 1-16.	2.0	267
104	Predation intensity in a rocky intertidal community. Oecologia, 1978, 34, 17-35.	2.0	253
105	Community Development and Persistence in a Low Rocky Intertidal Zone. Ecological Monographs, 1978, 48, 67-94.	5.4	513
106	Species Diversity Gradients: Synthesis of the Roles of Predation, Competition, and Temporal Heterogeneity. American Naturalist, 1976, 110, 351-369.	2.1	967
107	Organization of the New England Rocky Intertidal Community: Role of Predation, Competition, and Environmental Heterogeneity. Ecological Monographs, 1976, 46, 355-393.	5.4	850
108	Brood or broadcast? The adaptive significance of different reproductive strategies in the two intertidal sea stars Leptasterias hexactis and Pisaster ochraceus. Marine Biology, 1975, 31, 87-100.	1.5	153

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109	Role of Resource Allocation, Aggression and Spatial Heterogeneity in Coexistence of Two Competing Intertidal Starfish. Ecological Monographs, 1974, 44, 189-209.	5.4	135
110	Competition for Food between Two Intertidal Starfish Species and its Effect on Body Size and Feeding. Ecology, 1972, 53, 635-644.	3.2	129