Peter S Petraitis

List of Publications by Year
in descending order

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62 papers	3,000 citations	218677 26 h-index	168389 53 g-index
63 all docs	63 docs citations	63 times ranked	2969 citing authors

#	Article	IF	Citations
1	The Maintenance of Species Diversity by Disturbance. Quarterly Review of Biology, 1989, 64, 393-418.	0.1	537
2	THE IMPORTANCE OF SCALE IN TESTING THE ORIGINS OF ALTERNATIVE COMMUNITY STATES. Ecology, 1999, 80, 429-442.	3.2	246
3	Detection of alternative stable states in marine communities. Journal of Experimental Marine Biology and Ecology, 2004, 300, 343-371.	1.5	186
4	Likelihood Measures of Niche Breadth and Overlap. Ecology, 1979, 60, 703-710.	3.2	167
5	Plant response to climate change varies with topography, interactions with neighbors, and ecotype. Ecology, 2013, 94, 444-453.	3.2	115
6	Experimental Evidence for the Origin of Alternative Communities on Rocky Intertidal Shores. Oikos, 1999, 84, 239.	2.7	111
7	Direct and indirect effects of predation, herbivory and surface rugosity on mussel recruitment. Oecologia, 1990, 83, 405-413.	2.0	92
8	SCALE-DEPENDENT RECRUITMENT AND DIVERGENCE OF INTERTIDAL COMMUNITIES. Ecology, 2001, 82, 991-1006.	3.2	86
9	The Role of Growth in Maintaining Spatial Dominance by Mussels (Mytilus Edulis). Ecology, 1995, 76, 1337-1346.	3.2	81
10	Factors organizing rocky intertidal communities of New England: Herbivory and predation in sheltered bays. Journal of Experimental Marine Biology and Ecology, 1987, 109, 117-136.	1.5	80
11	Experimental confirmation of multiple community states in a marine ecosystem. Oecologia, 2009, 161, 139-148.	2.0	79
12	Leafâ€trait plasticity and species vulnerability to climate change in a Mongolian steppe. Global Change Biology, 2015, 21, 3489-3498.	9.5	63
13	Competitive Networks and Measures of Intransitivity. American Naturalist, 1979, 114, 921-925.	2.1	62
14	Grazing Patterns of the Periwinkle and Their Effect on Sessile Intertidal Organisms. Ecology, 1983, 64, 522-533.	3.2	57
15	Field estimates of growth and mortality of the green sea urchin,Strongylocentrotus droebachiensis. Ophelia, 1998, 48, 137-153.	0.3	53
16	IMMOBILIZATION OF THE PREDATORY GASTROPOD,NUCELLA LAPILLUS, BY ITS PREY,MYTILUS EDULIS. Biological Bulletin, 1987, 172, 307-314.	1.8	52
17	Temporal and spatial variation in how vegetation alters the soil moisture response to climate manipulation. Plant and Soil, 2012, 351, 249-261.	3.7	52
18	Occurrence of random and directional movements in the periwinkle,Littorina littorea (L.). Journal of Experimental Marine Biology and Ecology, 1982, 59, 207-217.	1.5	51

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19	First year demography of the foundation species,Ascophyllum nodosum, and its community implications. Oikos, 2005, 109, 405-415.	2.7	51
20	Body size-density relationship for Mytilus edulis in an experimental food-regulated situation. Oikos, 2000, 90, 28-42.	2.7	50
21	Soil and ecosystem respiration responses to grazing, watering and experimental warming chamber treatments across topographical gradients in northern Mongolia. Geoderma, 2016, 269, 91-98.	5.1	43
22	Vulnerability of the northern Mongolian steppe to climate change: insights from flower production and phenology. Ecology, 2012, 93, 815-824.	3.2	38
23	Recruitment of the mussel Mytilus edulis L. on sheltered and exposed shores in Maine, USA. Journal of Experimental Marine Biology and Ecology, 1991, 147, 65-80.	1.5	37
24	Effects of increased temperature on plant communities depend on landscape location and precipitation. Ecology and Evolution, 2018, 8, 5267-5278.	1.9	36
25	Divergent succession and implications for alternative states on rocky intertidal shores. Journal of Experimental Marine Biology and Ecology, 2005, 326, 14-26.	1.5	31
26	Interviews of Mongolian herders and high resolution precipitation data reveal an increase in short heavy rains and thunderstorm activity in semi-arid Mongolia. Climatic Change, 2016, 136, 281-295.	3.6	30
27	Variation in recruitment and the establishment of alternative community states. Ecology, 2015, 96, 3186-3196.	3.2	29
28	FEMALES INHIBIT MALES' PROPENSITY TO DEVELOP INTO SIMULTANEOUS HERMAPHRODITES INCAPITELLASPECIES I (POLYCHAETA). Biological Bulletin, 1985, 168, 395-402.	1.8	25
29	DO ALTERNATE STABLE COMMUNITY STATES EXIST IN THE GULF OF MAINE ROCKY INTERTIDAL ZONE? COMMENT. Ecology, 2004, 85, 1160-1165.	3.2	25
30	Effects of open-top passive warming chambers on soil respiration in the semi-arid steppe to taiga forest transition zone in Northern Mongolia. Biogeochemistry, 2013, 115, 333-348.	3.5	23
31	Survivorship of juvenile barnacles and mussels: spatial dependence and the origin of alternative communities. Journal of Experimental Marine Biology and Ecology, 2003, 293, 217-236.	1.5	22
32	The effects of sex ratio and density on the expression of gender in the polychaeteCapitella capitata. Evolutionary Ecology, 1991, 5, 393-404.	1.2	21
33	Effects of herbivorous snails and macroalgal canopy on recruitment and early survivorship of the barnacle Semibalanus balanoides (L.). Journal of Experimental Marine Biology and Ecology, 2001, 257, 205-218.	1.5	20
34	An intertidal snail shows a dramatic size increase over the past century. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5209-5212.	7.1	20
35	Shortâ€term manipulation of precipitation in Mongolian steppe shows vegetation influenced more by timing than amount of rainfall. Journal of Vegetation Science, 2016, 27, 249-258.	2.2	19
36	Declines over the last two decades of five intertidal invertebrate species in the western North Atlantic. Communications Biology, 2020, 3, 591.	4.4	19

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37	Climate change and grazing interact to alter flowering patterns in the Mongolian steppe. Oecologia, 2014, 175, 251-260.	2.0	18
38	The Relationship between Likelihood Niche Measures and Replicated Tests for Goodness-of-Fit. Ecology, 1985, 66, 1983-1985.	3.2	17
39	Using patterns of variability to test for multiple community states on rocky intertidal shores. Journal of Experimental Marine Biology and Ecology, 2006, 338, 222-232.	1.5	17
40	Algebraic and Graphical Relationships Among Niche Breadth Measures. Ecology, 1981, 62, 545-548.	3.2	16
41	Digametic sex determination in the marine polychaete, Capitella capitata (species type I). Heredity, 1985, 55, 151-156.	2.6	15
42	Use of Average vs. Total Biomass in Self-Thinning Relationships. Ecology, 1995, 76, 656-658.	3.2	15
43	Timing of mussel mortality and predator activity in sheltered bays of the Gulf of Maine, USA. Journal of Experimental Marine Biology and Ecology, 1998, 231, 47-62.	1.5	15
44	Legumes mitigate ecological consequences of a topographic gradient in a northern Mongolian steppe. Oecologia, 2012, 169, 85-94.	2.0	15
45	Regression versus ANOVA (Peer-Reviewed Letter). Frontiers in Ecology and the Environment, 2005, 3, 356.	4.0	9
46	PROPAGATION OF SCALEâ€ÐEPENDENT EFFECTS FROM RECRUITS TO ADULTS IN BARNACLES AND SEAWEEDS. Ecology, 2008, 89, 3128-3137.	3.2	9
47	Dominance rankings and problems of intransitive relationships. Behavioral and Brain Sciences, 1981, 4, 445-446.	0.7	8
48	MARINE INTERTIDAL ORGANISMS FOUND IN EXPERIMENTAL CLEARINGS ON SHELTERED SHORES, GULF OF MAINE, USA. Ecology, 2006, 87, 796-796.	3.2	8
49	Effects of the periwinkle Littorina littorea (L.) and of intraspecific competition on growth and survivorship of the limpet Notoacmea testudinalis (MÃ¼ller). Journal of Experimental Marine Biology and Ecology, 1989, 125, 99-115.	1.5	6
50	DENSITIES AND COVER DATA FOR INTERTIDAL ORGANISMS IN THE GULF OF MAINE, USA, FROM 2003 TO 2007. Ecology, 2008, 89, 588-588.	3.2	5
51	Mortality differences of two intertidal mussels, Mytilus edulis L. and Geukensia demissa (Dillwyn), in a New Jersey salt marsh. Journal of Experimental Marine Biology and Ecology, 1998, 231, 255-265.	1.5	4
52	Barnacle, fucoid, and mussel recruitment in the Gulf of Maine, USA, from 1997 to 2007. Ecology, 2009, 90, 571-571.	3.2	4
53	Greater effect of warming on community composition with increased precipitation and in moister landscape location. Journal of Vegetation Science, 2020, 31, 3-13.	2.2	4
54	Presentation of Niche Measure Relationships when More than Three Resource Classes are Involved. Ecology, 1983, 64, 1318-1320.	3.2	3

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55	Rocky Intertidal Shores of the North-West Atlantic Ocean. , 2019, , 61-89.		3
56	Experimental evidence for resilience of rockweeds on rocky shores in the Gulf of Maine, USA. Limnology and Oceanography, 0, , .	3.1	2
57	Disruption, Succession and Stochasticity. Ecological Studies, 2009, , 201-212.	1.2	2
58	A General Measure of Habitat Loyalty. American Naturalist, 1978, 112, 1123-1125.	2.1	1
59	Designing Experiments that Control for Spatial and Temporal Variation. Mongolian Journal of Biological Sciences, 2003, 1, 15-23.	0.3	0
60	Surveying Natural Populations.Lee-Ann C. Hayek , Martin A. Buzas. Quarterly Review of Biology, 1998, 73, 535-535.	0.1	0
61	The Presentation of Original Work in Medicine and Biology. Hugh Dudley. Quarterly Review of Biology, 1978, 53, 216-216.	0.1	0
62	The Evolutionary Ecology of Animals. Studies in Soviet Science: Life Sciences, 1977.S. S. Shvarts , Ayesha E. Gill. Quarterly Review of Biology, 1978, 53, 312-312.	0.1	0