

Peter S Petraitis

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,000
citations

218592

26
h-index

168321

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.	0.0	537
2	THE IMPORTANCE OF SCALE IN TESTING THE ORIGINS OF ALTERNATIVE COMMUNITY STATES. Ecology, 1999, 80, 429-442.	1.5	246
3	Detection of alternative stable states in marine communities. Journal of Experimental Marine Biology and Ecology, 2004, 300, 343-371.	0.7	186
4	Likelihood Measures of Niche Breadth and Overlap. Ecology, 1979, 60, 703-710.	1.5	167
5	Plant response to climate change varies with topography, interactions with neighbors, and ecotype. Ecology, 2013, 94, 444-453.	1.5	115
6	Experimental Evidence for the Origin of Alternative Communities on Rocky Intertidal Shores. Oikos, 1999, 84, 239.	1.2	111
7	Direct and indirect effects of predation, herbivory and surface rugosity on mussel recruitment. Oecologia, 1990, 83, 405-413.	0.9	92
8	SCALE-DEPENDENT RECRUITMENT AND DIVERGENCE OF INTERTIDAL COMMUNITIES. Ecology, 2001, 82, 991-1006.	1.5	86
9	The Role of Growth in Maintaining Spatial Dominance by Mussels (<i>Mytilus Edulis</i>). Ecology, 1995, 76, 1337-1346.	1.5	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.	0.7	80
11	Experimental confirmation of multiple community states in a marine ecosystem. Oecologia, 2009, 161, 139-148.	0.9	79
12	Leaf trait plasticity and species vulnerability to climate change in a Mongolian steppe. Global Change Biology, 2015, 21, 3489-3498.	4.2	63
13	Competitive Networks and Measures of Intransitivity. American Naturalist, 1979, 114, 921-925.	1.0	62
14	Grazing Patterns of the Periwinkle and Their Effect on Sessile Intertidal Organisms. Ecology, 1983, 64, 522-533.	1.5	57
15	Field estimates of growth and mortality of the green sea urchin, <i>Strongylocentrotus droebachiensis</i> . Ophelia, 1998, 48, 137-153.	0.3	53
16	IMMOBILIZATION OF THE PREDATORY GASTROPOD, <i>NUCELLA LAPILLUS</i> , BY ITS PREY, <i>MYTILUS EDULIS</i> . Biological Bulletin, 1987, 172, 307-314.	0.7	52
17	Temporal and spatial variation in how vegetation alters the soil moisture response to climate manipulation. Plant and Soil, 2012, 351, 249-261.	1.8	52
18	Occurrence of random and directional movements in the periwinkle, <i>Littorina littorea</i> (L.). Journal of Experimental Marine Biology and Ecology, 1982, 59, 207-217.	0.7	51

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19	First year demography of the foundation species, <i>Ascophyllum nodosum</i> , and its community implications. <i>Oikos</i> , 2005, 109, 405-415.	1.2	51
20	Body size-density relationship for <i>Mytilus edulis</i> in an experimental food-regulated situation. <i>Oikos</i> , 2000, 90, 28-42.	1.2	50
21	Soil and ecosystem respiration responses to grazing, watering and experimental warming chamber treatments across topographical gradients in northern Mongolia. <i>Geoderma</i> , 2016, 269, 91-98.	2.3	43
22	Vulnerability of the northern Mongolian steppe to climate change: insights from flower production and phenology. <i>Ecology</i> , 2012, 93, 815-824.	1.5	38
23	Recruitment of the mussel <i>Mytilus edulis</i> L. on sheltered and exposed shores in Maine, USA. <i>Journal of Experimental Marine Biology and Ecology</i> , 1991, 147, 65-80.	0.7	37
24	Effects of increased temperature on plant communities depend on landscape location and precipitation. <i>Ecology and Evolution</i> , 2018, 8, 5267-5278.	0.8	36
25	Divergent succession and implications for alternative states on rocky intertidal shores. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 326, 14-26.	0.7	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. <i>Climatic Change</i> , 2016, 136, 281-295.	1.7	30
27	Variation in recruitment and the establishment of alternative community states. <i>Ecology</i> , 2015, 96, 3186-3196.	1.5	29
28	FEMALES INHIBIT MALES' PROPENSITY TO DEVELOP INTO SIMULTANEOUS HERMAPHRODITES INCAPITELLASPECIES I (POLYCHAETA). <i>Biological Bulletin</i> , 1985, 168, 395-402.	0.7	25
29	DO ALTERNATE STABLE COMMUNITY STATES EXIST IN THE GULF OF MAINE ROCKY INTERTIDAL ZONE? COMMENT. <i>Ecology</i> , 2004, 85, 1160-1165.	1.5	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. <i>Biogeochemistry</i> , 2013, 115, 333-348.	1.7	23
31	Survivorship of juvenile barnacles and mussels: spatial dependence and the origin of alternative communities. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 293, 217-236.	0.7	22
32	The effects of sex ratio and density on the expression of gender in the polychaete <i>Capitella capitata</i> . <i>Evolutionary Ecology</i> , 1991, 5, 393-404.	0.5	21
33	Effects of herbivorous snails and macroalgal canopy on recruitment and early survivorship of the barnacle <i>Semibalanus balanoides</i> (L.). <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 257, 205-218.	0.7	20
34	An intertidal snail shows a dramatic size increase over the past century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5209-5212.	3.3	20
35	Short-term manipulation of precipitation in Mongolian steppe shows vegetation influenced more by timing than amount of rainfall. <i>Journal of Vegetation Science</i> , 2016, 27, 249-258.	1.1	19
36	Declines over the last two decades of five intertidal invertebrate species in the western North Atlantic. <i>Communications Biology</i> , 2020, 3, 591.	2.0	19

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37	Climate change and grazing interact to alter flowering patterns in the Mongolian steppe. <i>Oecologia</i> , 2014, 175, 251-260.	0.9	18
38	The Relationship between Likelihood Niche Measures and Replicated Tests for Goodness-of-Fit. <i>Ecology</i> , 1985, 66, 1983-1985.	1.5	17
39	Using patterns of variability to test for multiple community states on rocky intertidal shores. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 338, 222-232.	0.7	17
40	Algebraic and Graphical Relationships Among Niche Breadth Measures. <i>Ecology</i> , 1981, 62, 545-548.	1.5	16
41	Digametic sex determination in the marine polychaete, <i>Capitella capitata</i> (species type I). <i>Heredity</i> , 1985, 55, 151-156.	1.2	15
42	Use of Average vs. Total Biomass in Self-Thinning Relationships. <i>Ecology</i> , 1995, 76, 656-658.	1.5	15
43	Timing of mussel mortality and predator activity in sheltered bays of the Gulf of Maine, USA. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 231, 47-62.	0.7	15
44	Legumes mitigate ecological consequences of a topographic gradient in a northern Mongolian steppe. <i>Oecologia</i> , 2012, 169, 85-94.	0.9	15
45	Regression versus ANOVA (Peer-Reviewed Letter). <i>Frontiers in Ecology and the Environment</i> , 2005, 3, 356.	1.9	9
46	PROPAGATION OF SCALE-DEPENDENT EFFECTS FROM RECRUITS TO ADULTS IN BARNACLES AND SEAWEEDS. <i>Ecology</i> , 2008, 89, 3128-3137.	1.5	9
47	Dominance rankings and problems of intransitive relationships. <i>Behavioral and Brain Sciences</i> , 1981, 4, 445-446.	0.4	8
48	MARINE INTERTIDAL ORGANISMS FOUND IN EXPERIMENTAL CLEARINGS ON SHELTERED SHORES, GULF OF MAINE, USA. <i>Ecology</i> , 2006, 87, 796-796.	1.5	8
49	Effects of the periwinkle <i>Littorina littorea</i> (L.) and of intraspecific competition on growth and survivorship of the limpet <i>Notoacmea testudinalis</i> (Müller). <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 125, 99-115.	0.7	6
50	DENSITIES AND COVER DATA FOR INTERTIDAL ORGANISMS IN THE GULF OF MAINE, USA, FROM 2003 TO 2007. <i>Ecology</i> , 2008, 89, 588-588.	1.5	5
51	Mortality differences of two intertidal mussels, <i>Mytilus edulis</i> L. and <i>Geukensia demissa</i> (Dillwyn), in a New Jersey salt marsh. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 231, 255-265.	0.7	4
52	Barnacle, fucoid, and mussel recruitment in the Gulf of Maine, USA, from 1997 to 2007. <i>Ecology</i> , 2009, 90, 571-571.	1.5	4
53	Greater effect of warming on community composition with increased precipitation and in moister landscape location. <i>Journal of Vegetation Science</i> , 2020, 31, 3-13.	1.1	4
54	Presentation of Niche Measure Relationships when More than Three Resource Classes are Involved. <i>Ecology</i> , 1983, 64, 1318-1320.	1.5	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, , .	1.6	2
57	Disruption, Succession and Stochasticity. Ecological Studies, 2009, , 201-212.	0.4	2
58	A General Measure of Habitat Loyalty. American Naturalist, 1978, 112, 1123-1125.	1.0	1
59	Designing Experiments that Control for Spatial and Temporal Variation. Mongolian Journal of Biological Sciences, 2003, 1, 15-23.	0.4	0
60	Surveying Natural Populations. Lee-Ann C. Hayek , Martin A. Buzas. Quarterly Review of Biology, 1998, 73, 535-535.	0.0	0
61	The Presentation of Original Work in Medicine and Biology. Hugh Dudley. Quarterly Review of Biology, 1978, 53, 216-216.	0.0	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.	0.0	0