

John J Stachowicz

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

13,925
citations

76294

40
h-index

60583

81
g-index

87
all docs

87
docs citations

87
times ranked

14872
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Biodiversity Loss on Ocean Ecosystem Services. <i>Science</i> , 2006, 314, 787-790.	6.0	3,422
2	Inclusion of facilitation into ecological theory. <i>Trends in Ecology and Evolution</i> , 2003, 18, 119-125.	4.2	2,316
3	Mutualism, Facilitation, and the Structure of Ecological Communities. <i>BioScience</i> , 2001, 51, 235.	2.2	841
4	Ecological and evolutionary insights from species invasions. <i>Trends in Ecology and Evolution</i> , 2007, 22, 465-471.	4.2	774
5	Genetic diversity enhances the resistance of a seagrass ecosystem to disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8998-9002.	3.3	675
6	Nonlinear partial differential equations and applications: Linking climate change and biological invasions: Ocean warming facilitates nonindigenous species invasions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15497-15500.	3.3	667
7	BIODIVERSITY, INVASION RESISTANCE, AND MARINE ECOSYSTEM FUNCTION: RECONCILING PATTERN AND PROCESS. <i>Ecology</i> , 2002, 83, 2575-2590.	1.5	465
8	Global patterns in the impact of marine herbivores on benthic primary producers. <i>Ecology Letters</i> , 2012, 15, 912-922.	3.0	350
9	Understanding the Effects of Marine Biodiversity on Communities and Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2007, 38, 739-766.	3.8	349
10	Managing for ocean biodiversity to sustain marine ecosystem services. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 204-211.	1.9	254
11	Biodiversity mediates top-down control in eelgrass ecosystems: a global comparative experimental approach. <i>Ecology Letters</i> , 2015, 18, 696-705.	3.0	188
12	Reciprocal relationships and potential feedbacks between biodiversity and disturbance. <i>Ecology Letters</i> , 2007, 10, 849-864.	3.0	183
13	Invasions and Extinctions Reshape Coastal Marine Food Webs. <i>PLoS ONE</i> , 2007, 2, e295.	1.1	179
14	Facilitation and the niche: implications for coexistence, range shifts and ecosystem functioning. <i>Functional Ecology</i> , 2016, 30, 70-78.	1.7	179
15	Predator diversity strengthens trophic cascades in kelp forests by modifying herbivore behaviour. <i>Ecology Letters</i> , 2005, 9, 051109031307002.	3.0	167
16	Global-Scale Structure of the Eelgrass Microbiome. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	147
17	SEAWEED DIVERSITY ENHANCES NITROGEN UPTAKE VIA COMPLEMENTARY USE OF NITRATE AND AMMONIUM. <i>Ecology</i> , 2006, 87, 2397-2403.	1.5	133
18	Blue Carbon Storage Capacity of Temperate Eelgrass (<i>Zostera marina</i>) Meadows. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1457-1475.	1.9	130

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19	Ecological impacts of genotypic diversity in the clonal seagrass <i>Zostera marina</i> . Ecology, 2009, 90, 1412-1419.	1.5	127
20	Microbial communities in sediment from <i>Zostera marina</i> patches, but not the <i>Z. marina</i> leaf or root microbiomes, vary in relation to distance from patch edge. PeerJ, 2017, 5, e3246.	0.9	115
21	DIVERSITY ENHANCES COVER AND STABILITY OF SEAWEED ASSEMBLAGES: THE ROLE OF HETEROGENEITY AND TIME. Ecology, 2008, 89, 3008-3019.	1.5	109
22	Facultative mutualism between an herbivorous crab and a coralline alga: advantages of eating noxious seaweeds. Oecologia, 1996, 105, 377-387.	0.9	108
23	REDUCING PREDATION THROUGH CHEMICALLY MEDIATED CAMOUFLAGE: INDIRECT EFFECTS OF PLANT DEFENSES ON HERBIVORES. Ecology, 1999, 80, 495-509.	1.5	105
24	Behavioral Types of Predator and Prey Jointly Determine Prey Survival: Potential Implications for the Maintenance of Within-Species Behavioral Variation. American Naturalist, 2012, 179, 217-227.	1.0	101
25	MUTUALISM AND CORAL PERSISTENCE: THE ROLE OF HERBIVORE RESISTANCE TO ALGAL CHEMICAL DEFENSE. Ecology, 1999, 80, 2085-2101.	1.5	97
26	Envisioning a Marine Biodiversity Observation Network. BioScience, 2013, 63, 350-361.	2.2	96
27	Multiple mutualist effects: conflict and synergy in multispecies mutualisms. Ecology, 2014, 95, 833-844.	1.5	91
28	Complementarity in marine biodiversity manipulations: Reconciling divergent evidence from field and mesocosm experiments. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18842-18847.	3.3	84
29	Morphological and physiological variation among seagrass (<i>Zostera marina</i>) genotypes. Oecologia, 2009, 159, 725-733.	0.9	79
30	The consequences of consumer diversity loss: different answers from different experimental designs. Ecology, 2009, 90, 2879-2888.	1.5	70
31	Latitude, temperature, and habitat complexity predict predation pressure in eelgrass beds across the Northern Hemisphere. Ecology, 2018, 99, 29-35.	1.5	70
32	MULTIPLE MUTUALISTS PROVIDE COMPLEMENTARY BENEFITS TO THEIR SEAWEED HOST. Ecology, 2005, 86, 2418-2427.	1.5	69
33	Alternative camouflage strategies mediate predation risk among closely related co-occurring kelp crabs. Oecologia, 2008, 155, 519-528.	0.9	63
34	WHOLE-COMMUNITY MUTUALISM: ASSOCIATED INVERTEBRATES FACILITATE A DOMINANT HABITAT-FORMING SEAWEED. Ecology, 2007, 88, 2211-2219.	1.5	57
35	Prey diversity is associated with weaker consumer effects in a meta-analysis of benthic marine experiments. Ecology Letters, 2010, 13, 194-201.	3.0	54
36	Expected limits on the ocean acidification buffering potential of a temperate seagrass meadow. Ecological Applications, 2018, 28, 1694-1714.	1.8	54

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37	Invasion Expansion: Time since introduction best predicts global ranges of marine invaders. <i>Scientific Reports</i> , 2015, 5, 12436.	1.6	48
38	TISSUE TYPE MATTERS: SELECTIVE HERBIVORY ON DIFFERENT LIFE HISTORY STAGES OF AN ISOMORPHIC ALGA. <i>Ecology</i> , 2006, 87, 2255-2263.	1.5	46
39	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
40	Multivariate trade-offs, succession, and phenological differentiation in a guild of colonial invertebrates. <i>Ecology</i> , 2010, 91, 3146-3152.	1.5	45
41	Ecological Factors Affecting Community Invasibility. <i>Ecological Studies</i> , 2009, , 215-238.	0.4	41
42	Seagrass genotypic diversity increases disturbance response via complementarity and dominance. <i>Journal of Ecology</i> , 2011, 99, 445-453.	1.9	40
43	Genetic Relatedness Influences Plant Biomass Accumulation in Eelgrass (<i>Zostera marina</i>). <i>American Naturalist</i> , 2013, 181, 715-724.	1.0	38
44	Phylogeny as a Proxy for Ecology in Seagrass Amphipods: Which Traits Are Most Conserved?. <i>PLoS ONE</i> , 2013, 8, e57550.	1.1	37
45	Response of a Habitat-Forming Marine Plant to a Simulated Warming Event Is Delayed, Genotype Specific, and Varies with Phenology. <i>PLoS ONE</i> , 2016, 11, e0154532.	1.1	34
46	Short and long term consequences of increases in exotic species richness on water filtration by marine invertebrates. <i>Ecology Letters</i> , 2009, 12, 830-841.	3.0	33
47	Mechanisms of biotic resistance across complex life cycles. <i>Journal of Animal Ecology</i> , 2014, 83, 296-305.	1.3	32
48	Phenotypic and phylogenetic evidence for the role of food and habitat in the assembly of communities of marine amphipods. <i>Ecology</i> , 2014, 95, 775-786.	1.5	30
49	Size-related habitat shifts facilitated by positive preference induction in a marine kelp crab. <i>Behavioral Ecology</i> , 2010, 21, 329-336.	1.0	29
50	Climate drives the geography of marine consumption by changing predator communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28160-28166.	3.3	29
51	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
52	Local adaptation in a marine foundation species: Implications for resilience to future global change. <i>Global Change Biology</i> , 2022, 28, 2596-2610.	4.2	26
53	The relative importance of trait vs. genetic differentiation for the outcome of interactions among plant genotypes. <i>Ecology</i> , 2016, 97, 84-94.	1.5	25
54	Seaweed richness and herbivory increase rate of community recovery from disturbance. <i>Ecology</i> , 2012, 93, 879-890.	1.5	24

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55	Microbiome succession during ammonification in eelgrass bed sediments. <i>PeerJ</i> , 2017, 5, e3674.	0.9	24
56	Positive and negative effects of a dominant competitor on the settlement, growth, and survival of competing species in an epibenthic community. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 399, 130-134.	0.7	22
57	Multiple dimensions of intraspecific diversity affect biomass of eelgrass and its associated community. <i>Ecology</i> , 2017, 98, 3152-3164.	1.5	21
58	Previous exposure mediates the response of eelgrass to future warming via clonal transgenerational plasticity. <i>Ecology</i> , 2020, 101, e03169.	1.5	21
59	Spatially stochastic settlement and the coexistence of benthic marine animals. <i>Ecology</i> , 2011, 92, 1094-1103.	1.5	19
60	Microhabitat partitioning in seagrass mesograzers is driven by consistent species choices across multiple predator and competitor contexts. <i>Oikos</i> , 2016, 125, 1324-1333.	1.2	18
61	Genetic distance predicts trait differentiation at the subpopulation but not the individual level in eelgrass, <i>Zostera marina</i> . <i>Ecology and Evolution</i> , 2018, 8, 7476-7489.	0.8	17
62	Predicting consequences of climate change for ecosystem functioning: variation across trophic levels, species and individuals. <i>Diversity and Distributions</i> , 2015, 21, 1364-1374.	1.9	15
63	Grazer diversity interacts with biogenic habitat heterogeneity to accelerate intertidal algal succession. <i>Ecology</i> , 2016, 97, 2136-2146.	1.5	15
64	Human-induced reductions in fish predator boldness decrease their predation rates in kelp forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182745.	1.2	14
65	Assessing Feeding Preferences of a Consumer Guild: Partitioning Variation Among versus Within Species. <i>American Naturalist</i> , 2018, 192, 287-300.	1.0	13
66	Plant genotype identity and diversity interact with mesograzer species diversity to influence detrital consumption in eelgrass meadows. <i>Oikos</i> , 2018, 127, 327-336.	1.2	11
67	Experimental Warming Enhances Effects of Eelgrass Genetic Diversity Via Temperature-Induced Niche Differentiation. <i>Estuaries and Coasts</i> , 2021, 44, 545-557.	1.0	11
68	Disease surveillance by artificial intelligence links eelgrass wasting disease to ocean warming across latitudes. <i>Limnology and Oceanography</i> , 2022, 67, 1577-1589.	1.6	11
69	Joint effects of patch edges and habitat degradation on faunal predation risk in a widespread marine foundation species. <i>Ecology</i> , 2021, 102, e03316.	1.5	10
70	Spatially stochastic settlement and the coexistence of benthic marine animals. <i>Ecology</i> , 2011, 92, 1094-1103.	1.5	10
71	The biogeography of community assembly: latitude and predation drive variation in community trait distribution in a guild of epifaunal crustaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211762.	1.2	9
72	<p class="HeadingRunIn">Mimulus Stimpson, 1860, a junior synonym of Pugettia Dana, 1851 (Decapoda: Brachyura: Majoidea: Epialtidae). <i>Zootaxa</i>, 2013, 3693, 358.</p>	0.2	7

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73	Form-function relationships in a marine foundation species depend on scale: a shoot to global perspective from a distributed ecological experiment. <i>Oikos</i> , 2018, 127, 364-374.	1.2	7
74	The effect of a tube-building phoronid on associated infaunal species diversity, composition and community structure. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, 126-135.	0.7	5
75	Fished species uniformly reduced escape behaviors in response to protection. <i>Biological Conservation</i> , 2018, 226, 238-246.	1.9	4
76	Sequential disturbances alter the outcome of inter-genotypic interactions in a clonal plant. <i>Functional Ecology</i> , 2021, 35, 127-138.	1.7	3
77	Hidden biodiversity: Spatial mosaics of eelgrass genotypic diversity at the centimeter to meadow scale. <i>Ecology</i> , 2022, 103, .	1.5	3
78	BIODIVERSITY, INVASION RESISTANCE, AND MARINE ECOSYSTEM FUNCTION: RECONCILING PATTERN AND PROCESS. , 2002, 83, 2575.		2
79	Sodium molybdate does not inhibit sulfate-reducing bacteria but increases shell growth in the Pacific oyster <i>Magallana gigas</i> . <i>PLoS ONE</i> , 2022, 17, e0262939.	1.1	2
80	Marine Macrophyte Detritus and Degradation: the Role of Intraspecific Genetic Variation. <i>Estuaries and Coasts</i> , 2018, 41, 1223-1233.	1.0	1
81	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
82	Disturbance decreases genotypic diversity by reducing colonization: Implications for disturbance-diversity feedbacks. <i>Ecology</i> , 2022, , e3710.	1.5	1