

Jarrett E Byrnes

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

8,346
citations

136940

32
h-index

233409

45
g-index

66
all docs

66
docs citations

66
times ranked

12267
citing authors

#	ARTICLE	IF	CITATIONS
1	Expert perspectives on global biodiversity loss and its drivers and impacts on people. <i>Frontiers in Ecology and the Environment</i> , 2023, 21, 94-103.	4.0	49
2	Feral hogs control brackish marsh plant communities over time. <i>Ecology</i> , 2022, 103, e03572.	3.2	5
3	Automated satellite remote sensing of giant kelp at the Falkland Islands (Islas Malvinas). <i>PLoS ONE</i> , 2022, 17, e0257933.	2.5	11
4	Grand challenges in biodiversityâ€ecosystem functioning research in the era of scienceâ€policy platforms require explicit consideration of feedbacks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210783.	2.6	8
5	A large invasive consumer reduces coastal ecosystem resilience by disabling positive species interactions. <i>Nature Communications</i> , 2021, 12, 6290.	12.8	14
6	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	12.8	75
7	Open Wave Height Logger: An open source pressure sensor data logger for wave measurement. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 335-345.	2.0	19
8	Structure-function analysis of Î²-arrestin Kurtz reveals a critical role of receptor interactions in downregulation of GPCR signaling in vivo. <i>Developmental Biology</i> , 2019, 455, 409-419.	2.0	7
9	The geography of biodiversity change in marine and terrestrial assemblages. <i>Science</i> , 2019, 366, 339-345.	12.6	385
10	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	123
11	Species richness change across spatial scales. <i>Oikos</i> , 2019, 128, 1079-1091.	2.7	160
12	Quantifying relative importance: computing standardized effects in models with binary outcomes. <i>Ecosphere</i> , 2018, 9, e02283.	2.2	45
13	A general biodiversityâ€function relationship is mediated by trophic level. <i>Oikos</i> , 2017, 126, 18-31.	2.7	112
14	Global patterns of kelp forest change over the past half-century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13785-13790.	7.1	511
15	Estimating local biodiversity change: a critique of papers claiming no net loss of local diversity. <i>Ecology</i> , 2016, 97, 1949-1960.	3.2	224
16	Native predators limit invasion of benthic invertebrate communities in Bodega Harbor, California, USA. <i>Marine Ecology - Progress Series</i> , 2016, 545, 161-173.	1.9	37
17	Marine extinction risk shaped by traitâ€environment interactions over 500Âmillion years. <i>Global Change Biology</i> , 2015, 21, 3595-3607.	9.5	31
18	Towards an integration of scale and complexity in marine ecology. <i>Ecological Monographs</i> , 2015, 85, 475-504.	5.4	20

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19	Marine biodiversity and ecosystem functioning: what's known and what's next?. <i>Oikos</i> , 2015, 124, 252-265.	2.7	195
20	Recent Trends in Local-Scale Marine Biodiversity Reflect Community Structure and Human Impacts. <i>Current Biology</i> , 2015, 25, 1938-1943.	3.9	121
21	Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , 2015, 348, 567-570.	12.6	111
22	Biodiversity enhances ecosystem multifunctionality across trophic levels and habitats. <i>Nature Communications</i> , 2015, 6, 6936.	12.8	515
23	Effects of five southern California macroalgal diets on consumption, growth, and gonad weight, in the purple sea urchin <i>Strongylocentrotus purpuratus</i> . <i>PeerJ</i> , 2015, 3, e719.	2.0	21
24	To Crowdfund Research, Scientists Must Build an Audience for Their Work. <i>PLoS ONE</i> , 2014, 9, e110329.	2.5	53
25	Multifunctionality does not imply that all functions are positively correlated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5490.	7.1	31
26	Combined climate- and prey-mediated range expansion of Humboldt squid (<i>Dosidicus gigas</i>), a large marine predator in the California Current System. <i>Global Change Biology</i> , 2014, 20, 1832-1843.	9.5	72
27	Linking Biodiversity and Ecosystem Services: Current Uncertainties and the Necessary Next Steps. <i>BioScience</i> , 2014, 64, 49-57.	4.9	285
28	Investigating the relationship between biodiversity and ecosystem multifunctionality: challenges and solutions. <i>Methods in Ecology and Evolution</i> , 2014, 5, 111-124.	5.2	533
29	Raising money for scientific research through crowdfunding. <i>Trends in Ecology and Evolution</i> , 2013, 28, 71-72.	8.7	142
30	Interactions between sea urchin grazing and prey diversity on temperate rocky reef communities. <i>Ecology</i> , 2013, 94, 1636-1646.	3.2	16
31	Effects of predator richness on prey suppression: a meta-analysis. <i>Ecology</i> , 2013, 94, 2180-2187.	3.2	160
32	Functional gene pyrosequencing and network analysis: an approach to examine the response of denitrifying bacteria to increased nitrogen supply in salt marsh sediments. <i>Frontiers in Microbiology</i> , 2013, 4, 342.	3.5	52
33	A global synthesis reveals biodiversity loss as a major driver of ecosystem change. <i>Nature</i> , 2012, 486, 105-108.	27.8	1,750
34	The functional role of producer diversity in ecosystems. <i>American Journal of Botany</i> , 2011, 98, 572-592.	1.7	991
35	Climate-driven increases in storm frequency simplify kelp forest food webs. <i>Global Change Biology</i> , 2011, 17, 2513-2524.	9.5	172
36	A meta-analysis of resource pulse consumer interactions. <i>Ecological Monographs</i> , 2010, 80, 125-151.	5.4	238

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37	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.	6.4	33
38	Ecological Factors Affecting Community Invasibility. <i>Ecological Studies</i> , 2009, , 215-238.	1.2	41
39	The consequences of consumer diversity loss: different answers from different experimental designs. <i>Ecology</i> , 2009, 90, 2879-2888.	3.2	70
40	Invasions and Extinctions Reshape Coastal Marine Food Webs. <i>PLoS ONE</i> , 2007, 2, e295.	2.5	179
41	Reciprocal relationships and potential feedbacks between biodiversity and disturbance. <i>Ecology Letters</i> , 2007, 10, 849-864.	6.4	183
42	The colonial ascidian <i>Didemnum</i> sp. A: Current distribution, basic biology and potential threat to marine communities of the northeast and west coasts of North America. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 342, 99-108.	1.5	167
43	Species diversity, invasion success, and ecosystem functioning: disentangling the influence of resource competition, facilitation, and extrinsic factors. <i>Marine Ecology - Progress Series</i> , 2006, 311, 251-262.	1.9	187
44	Predator diversity strengthens trophic cascades in kelp forests by modifying herbivore behaviour. <i>Ecology Letters</i> , 2005, 9, 051109031307002.	6.4	167
45	Impact assessment of an invasive flatworm, <i>Convoluta convoluta</i> , in the Southern Gulf of Maine. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 293, 173-191.	1.5	5