

Jonathan S Lefcheck

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

7,193
citations

159525

30
h-index

175177

52
g-index

53
all docs

53
docs citations

53
times ranked

11229
citing authors

#	ARTICLE	IF	CITATIONS
1	piecewiseSEM : Piecewise structural equation modelling in R for ecology, evolution, and systematics. <i>Methods in Ecology and Evolution</i> , 2016, 7, 573-579.	2.2	2,488
2	Investigating the relationship between biodiversity and ecosystem multifunctionality: challenges and solutions. <i>Methods in Ecology and Evolution</i> , 2014, 5, 111-124.	2.2	533
3	Biodiversity enhances ecosystem multifunctionality across trophic levels and habitats. <i>Nature Communications</i> , 2015, 6, 6936.	5.8	515
4	Integrating abundance and functional traits reveals new global hotspots of fish diversity. <i>Nature</i> , 2013, 501, 539-542.	13.7	445
5	Statistical solutions for error and bias in global citizen science datasets. <i>Biological Conservation</i> , 2014, 173, 144-154.	1.9	374
6	Long-term nutrient reductions lead to the unprecedented recovery of a temperate coastal region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3658-3662.	3.3	199
7	Marine biodiversity and ecosystem functioning: what's known and what's next?. <i>Oikos</i> , 2015, 124, 252-265.	1.2	195
8	Energy Flux: The Link between Multitrophic Biodiversity and Ecosystem Functioning. <i>Trends in Ecology and Evolution</i> , 2018, 33, 186-197.	4.2	195
9	Biodiversity mediates top-down control in eelgrass ecosystems: a global comparative experimental approach. <i>Ecology Letters</i> , 2015, 18, 696-705.	3.0	188
10	Biodiversity enhances reef fish biomass and resistance to climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6230-6235.	3.3	178
11	Are coastal habitats important nurseries? A meta-analysis. <i>Conservation Letters</i> , 2019, 12, e12645.	2.8	177
12	Coral reef ecosystem functioning: eight core processes and the role of biodiversity. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 445-454.	1.9	175
13	Restoration of seagrass habitat leads to rapid recovery of coastal ecosystem services. <i>Science Advances</i> , 2020, 6, .	4.7	136
14	Multiple stressors threaten the imperiled coastal foundation species eelgrass (<i>Zostera marina</i>) in Chesapeake Bay, USA. <i>Global Change Biology</i> , 2017, 23, 3474-3483.	4.2	134
15	Climate resilience in marine protected areas and the "Protection Paradox"™. <i>Biological Conservation</i> , 2019, 236, 305-314.	1.9	131
16	Multitrophic functional diversity predicts ecosystem functioning in experimental assemblages of estuarine consumers. <i>Ecology</i> , 2015, 96, 2973-2983.	1.5	96
17	Physiological effects of diet mixing on consumer fitness: a meta-analysis. <i>Ecology</i> , 2013, 94, 565-572.	1.5	79
18	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	5.8	75

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19	Tropical fish diversity enhances coral reef functioning across multiple scales. <i>Science Advances</i> , 2019, 5, eaav6420.	4.7	69
20	Submersed Aquatic Vegetation in Chesapeake Bay: Sentinel Species in a Changing World. <i>BioScience</i> , 2017, 67, 698-712.	2.2	68
21	Choosing and using multiple traits in functional diversity research. <i>Environmental Conservation</i> , 2015, 42, 104-107.	0.7	65
22	Assessing National Biodiversity Trends for Rocky and Coral Reefs through the Integration of Citizen Science and Scientific Monitoring Programs. <i>BioScience</i> , 2017, 67, 134-146.	2.2	64
23	Abundance and local-scale processes contribute to multi-phyla gradients in global marine diversity. <i>Science Advances</i> , 2017, 3, e1700419.	4.7	61
24	Establishing the ecological basis for conservation of shallow marine life using Reef Life Survey. <i>Biological Conservation</i> , 2020, 252, 108855.	1.9	52
25	<code><i>fluxweb</i></code> : An <code><scp>R</scp></code> package to easily estimate energy fluxes in food webs. <i>Methods in Ecology and Evolution</i> , 2019, 10, 270-279.	2.2	49
26	Quantifying relative importance: computing standardized effects in models with binary outcomes. <i>Ecosphere</i> , 2018, 9, e02283.	1.0	45
27	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. <i>Science</i> , 2020, 369, 1351-1354.	6.0	43
28	Squidpops: A Simple Tool to Crowdsource a Global Map of Marine Predation Intensity. <i>PLoS ONE</i> , 2015, 10, e0142994.	1.1	42
29	Faunal Communities Are Invariant to Fragmentation in Experimental Seagrass Landscapes. <i>PLoS ONE</i> , 2016, 11, e0156550.	1.1	33
30	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.	3.3	31
31	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
32	Novel approach to enhance coastal habitat and biotope mapping with drone aerial imagery analysis. <i>Scientific Reports</i> , 2021, 11, 574.	1.6	27
33	Restored Eelgrass (<i>Zostera marina</i> L.) as a Refuge for Epifaunal Biodiversity in Mid-Western Atlantic Coastal Bays. <i>Estuaries and Coasts</i> , 2017, 40, 200-212.	1.0	26
34	Boat Propeller Scarring of Seagrass Beds in Lower Chesapeake Bay, USA: Patterns, Causes, Recovery, and Management. <i>Estuaries and Coasts</i> , 2017, 40, 1666-1676.	1.0	22
35	Dimensions of biodiversity in Chesapeake Bay demersal fishes: patterns and drivers through space and time. <i>Ecosphere</i> , 2014, 5, 1-48.	1.0	16
36	Epifaunal invertebrates as predators of juvenile bay scallops (<i>Argopecten irradians</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 454, 18-25.	0.7	14

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37	Revealing the drivers of taxonomic and functional diversity of nearshore fish assemblages: Implications for conservation priorities. <i>Diversity and Distributions</i> , 2022, 28, 1597-1609.	1.9	14
38	Species richness and identity both determine the biomass of global reef fish communities. <i>Nature Communications</i> , 2021, 12, 6875.	5.8	12
39	Extending Rapid Ecosystem Function Assessments to Marine Ecosystems: A Reply to Meyer. <i>Trends in Ecology and Evolution</i> , 2016, 31, 251-253.	4.2	11
40	Reduced avian body condition due to global warming has little reproductive or population consequences. <i>Oikos</i> , 2020, 129, 714-730.	1.2	11
41	Dissolved organic carbon sorption dynamics in tidal marsh soils. <i>Limnology and Oceanography</i> , 2021, 66, 214-225.	1.6	11
42	Mangrove fragments as key coastal reservoirs of taxonomic and functional biodiversity. <i>Biodiversity and Conservation</i> , 2021, 30, 1573-1593.	1.2	10
43	Consumption rates vary based on the presence and type of oyster structure: A seasonal and latitudinal comparison. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 536, 151501.	0.7	9
44	Climate affects the outbreaks of a forest defoliator indirectly through its tree hosts. <i>Oecologia</i> , 2022, 198, 407-418.	0.9	9
45	Habitat Primarily Structures Seagrass Epifaunal Communities: a Regional-Scale Assessment in the Chesapeake Bay. <i>Estuaries and Coasts</i> , 2021, 44, 442-452.	1.0	7
46	The potential of trait-based approaches to contribute to marine conservation. <i>Marine Policy</i> , 2015, 51, 148-150.	1.5	5
47	Predator–prey interactions in a restored eelgrass ecosystem: strategies for maximizing success of reintroduced bay scallops (<i>Argopecten irradians</i>). <i>Restoration Ecology</i> , 2016, 24, 558-565.	1.4	5
48	Long-term Annual Aerial Surveys of Submersed Aquatic Vegetation (SAV) Support Science, Management, and Restoration. <i>Estuaries and Coasts</i> , 2019, , 1.	1.0	5
49	Effects of herbivory by the urchin <i>Diadema antillarum</i> on early restoration success of the coral <i>Acropora cervicornis</i> in the central Caribbean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 539, 151541.	0.7	5
50	Patterns of Consumption Across a Caribbean Seascape: Roles of Habitat and Consumer Species Composition Through Time. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
51	Response: Commentary: Tropical fish diversity enhances coral reef functioning across multiple scales. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	2
52	A doubling of stony coral cover on shallow forereefs at Carrie Bow Cay, Belize from 2014 to 2019. <i>Scientific Reports</i> , 2021, 11, 19185.	1.6	2