Marissa L Baskett

List of Publications by Year
in descending order

63	2,562	186265	223800
papers	citations	28 h-index	46 g-index

71	71	71	3479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of dispersal and life history interact to drive accelerating spread of an invasive species. Ecology Letters, 2013, 16, 1079-1087.	6.4	172
2	When is dispersal for dispersal? Unifying marine and terrestrial perspectives. Biological Reviews, 2016, 91, 867-882.	10.4	125
3	Social Information Links Individual Behavior to Population and Community Dynamics. Trends in Ecology and Evolution, 2018, 33, 535-548.	8.7	122
4	MARINE RESERVE DESIGN AND THE EVOLUTION OF SIZE AT MATURATION IN HARVESTED FISH. , 2005, 15, 882-901.		112
5	Predicting evolutionary rescue via evolving plasticity in stochastic environments. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161690.	2.6	98
6	Designing marine reserves for interacting species: Insights from theory. Biological Conservation, 2007, 137, 163-179.	4.1	96
7	Symbiont diversity may help coral reefs survive moderate climate change. Ecological Applications, 2009, 19, 3-17.	3.8	96
8	Recent declines in salmon body size impact ecosystems and fisheries. Nature Communications, 2020, 11, 4155.	12.8	95
9	The Evolution of Dispersal in Reserve Networks. American Naturalist, 2007, 170, 59-78.	2.1	86
10	Evaluating Alternative Strategies for Minimizing Unintended Fitness Consequences of Cultured Individuals on Wild Populations. Conservation Biology, 2013, 27, 83-94.	4.7	84
11	The Ecological and Evolutionary Consequences of Marine Reserves. Annual Review of Ecology, Evolution, and Systematics, 2015, 46, 49-73.	8.3	81
12	Refugeâ€mediated apparent competition in plantâ€“consumer interactions. Ecology Letters, 2010, 13, 11-20.	6.4	78
13	Persistence and Change in Community Composition of Reef Corals through Present, Past, and Future Climates. PLoS ONE, 2014, 9, e107525.	2.5	75
14	Linking models with monitoring data for assessing performance of noâ€take marine reserves. Frontiers in Ecology and the Environment, 2011, 9, 390-399.	4.0	69
15	ORIGINAL ARTICLE: Propensity of marine reserves to reduce the evolutionary effects of fishing in a migratory species. Evolutionary Applications, 2009, 2, 371-393.	3.1	68
16	Transient responses of fished populations to marine reserve establishment. Conservation Letters, 2013, 6, 180-191.	5.7	67
17	Conservation management approaches to protecting the capacity for corals to respond to climate change: a theoretical comparison. Global Change Biology, 2010, 16, 1229-1246.	9.5	58
18	Setting expected timelines of fished population recovery for the adaptive management of a marine protected area network. Ecological Applications, 2019, 29, e01949.	3.8	57

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19	Assessing strategies to minimize unintended fitness consequences of aquaculture on wild populations. Evolutionary Applications, 2013, 6, 1090-1108.	3.1	53
20	Introgressive hybridization as a mechanism for species rescue. Theoretical Ecology, 2011, 4, 223-239.	1.0	49
21	Recruitment facilitation can drive alternative states on temperate reefs. Ecology, 2010, 91, 1763-1773.	3.2	48
22	Evaluating the causal basis of ecological success within the scleractinia: an integral projection model approach. Marine Biology, 2014, 161, 2719-2734.	1.5	48
23	Setting ecological expectations for adaptive management of marine protected areas. Journal of Applied Ecology, 2019, 56, 2376-2385.	4.0	45
24	Quantifying larval export from South African marine reserves. Marine Ecology - Progress Series, 2009, 394, 65-78.	1.9	43
25	Quantifying global potential for coral evolutionary response to climate change. Nature Climate Change, 2021, 11, 537-542.	18.8	42
26	Marine reserves can enhance ecological resilience. Ecology Letters, 2015, 18, 1301-1310.	6.4	40
27	Response Diversity Can Increase Ecological Resilience to Disturbance in Coral Reefs. American Naturalist, 2014, 184, E16-E31.	2.1	39
28	Predation, competition, and the recovery of overexploited fish stocks in marine reserves. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1214-1229.	1.4	36
29	Microsatellite evolution in modern humans: a comparison of two data sets from the same populations. Annals of Human Genetics, 2000, 64, 117-134.	0.8	35
30	Spatial interplay of plant competition and consumer foraging mediate plant coexistence and drive the invasion ratchet. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3307-3315.	2.6	30
31	Social information drives ecological outcomes among competing species. Ecology, 2019, 100, e02835.	3.2	30
32	A novel model of predatorâ€“prey interactions reveals the sensitivity of forage fish: piscivore fishery trade-offs to ecological conditions. ICES Journal of Marine Science, 2015, 72, 1349-1358.	2.5	27
33	The differential effects of increasing frequency and magnitude of extreme events on coral populations. Ecological Applications, 2015, 25, 1534-1545.	3.8	27
34	Fast behavioral feedbacks make ecosystems sensitive to pace and not just magnitude of anthropogenic environmental change. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25580-25589.	7.1	26
35	Partitioning colony size variation into growth and partial mortality. Biology Letters, 2020, 16, 20190727.	2.3	24
36	Interactive effects of predator and prey harvest on ecological resilience of rocky reefs. Ecological Applications, 2017, 27, 1718-1730.	3.8	21

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37	Fitting stateâ€space integral projection models to sizeâ€structured time series data to estimate unknown parameters. Ecological Applications, 2016, 26, 2677-2694.	3.8	19
38	Disturbance facilitates the coexistence of antagonistic ecosystem engineers in California estuaries. Ecology, 2014, 95, 2277-2288.	3.2	18
39	Economic value of ecological information in ecosystem-based natural resource management depends on exploitation history. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1658-1663.	7.1	17
40	Integrating Genetic and Demographic Effects of Connectivity on Population Stability: The Case of Hatchery Trucking in Salmon. American Naturalist, 2018, 192, E62-E80.	2.1	16
41	Microsatellite evolution in modern humans: a comparison of two data sets from the same populations. Annals of Human Genetics, 2000, 64, 117-34.	0.8	15
42	Prey size refugia and trophic cascades in marine reserves. Marine Ecology - Progress Series, 2006, 328, 285-293.	1.9	14
43	Integrating mechanistic organismâ€“environment interactions into the basic theory of community and evolutionary ecology. Journal of Experimental Biology, 2012, 215, 948-961.	1.7	13
44	Disturbance size and frequency mediate the coexistence of benthic spatial competitors. Ecology, 2020, 101, e02904.	3.2	13
45	Exploring the effect of the spatial scale of fishery management. Journal of Theoretical Biology, 2016, 390, 14-22.	1.7	12
46	Identifying robust strategies for assisted migration in a competitive stochastic metacommunity. Conservation Biology, 2021, 35, 1809-1820.	4.7	12
47	Grazer behaviour can regulate largeâ€scale patterning of community states. Ecology Letters, 2021, 24, 1917-1929.	6.4	11
48	LOCAL ADAPTATION WHEN COMPETITION DEPENDS ON PHENOTYPIC SIMILARITY. Evolution; International Journal of Organic Evolution, 2013, 67, n/a-n/a.	2.3	10
49	Life history and temporal variability of escape events interactively determine the fitness consequences of aquaculture escapees on wild populations. Theoretical Population Biology, 2019, 129, 93-102.	1.1	10
50	At what spatial scales are alternative stable states relevant in highly interconnected ecosystems?. Ecology, 2020, 101, e02930.	3.2	10
51	Protected areas buffer against harvest selection and rebuild phenotypic complexity. Ecological Applications, 2020, 30, e02108.	3.8	10
52	Rethinking spatial costs and benefits of fisheries in marine conservation. Ocean and Coastal Management, 2019, 178, 104824.	4.4	7
53	Catastrophes, connectivity and Allee effects in the design of marine reserve networks. Oikos, 2021, 130, 366-376.	2.7	7
54	Quantifying the balance between bycatch and predator or competitor release for nontarget species. Ecological Applications, 2013, 23, 972-983.	3.8	6

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55	Comparing management strategies for conserving communities of climate-threatened species with a stochastic metacommunity model. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	6
56	Transient dynamics during kelp forest recovery from fishing across multiple trophic levels. Ecological Applications, 2021, 31, e02367.	3.8	5
57	Quantifying the efficacy of genetic shifting in control of mosquitoâ€borne diseases. Evolutionary Applications, 2019, 12, 1552-1568.	3.1	4
58	Quantifying the statistical power of monitoring programs for marine protected areas. Ecological Applications, 2021, 31, e2215.	3.8	4
59	Quantifying the potential for marine reserves or harvest reductions to buffer temporal mismatches caused by climate change. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 376-389.	1.4	3
60	Optimal investment to enable evolutionary rescue. Theoretical Ecology, 2019, 12, 165-177.	1.0	3
61	Post-harvest recovery dynamics depend on predator specialization in size-selective fisheries. Marine Ecology - Progress Series, 2017, 564, 127-143.	1.9	2
62	Beyond Biomass: Valuing Genetic Diversity in Natural Resource Management. American Journal of Agricultural Economics, 2020, 102, 607-624.	4.3	0
63	Quantifying the Statistical Power of Monitoring Programs for Marine Protected Areas. Bulletin of the Ecological Society of America, 2021, 102, e01793.	0.2	0