James E Byers

List of Publications by Year
in descending order

129 papers	10,753 citations	44042 48 h-index	33869 99 g-index
133 all docs	133 docs citations	133 times ranked	10714 citing authors

#	Article	IF	Citations
1	Using ecosystem engineers to enhance multiple ecosystem processes. Functional Ecology, 2024, 38, 22-36.	1.7	2
2	Comparing edge and fragmentation effects within seagrass communities: A metaâ€analysis. Ecology, 2022, 103, e3603.	1.5	15
3	Responses of a tidal freshwater marsh plant community to chronic and pulsed saline intrusion. Journal of Ecology, 2022, 110, 1508-1524.	1.9	3
4	Marine Parasites and Disease in the Era of Global Climate Change. Annual Review of Marine Science, 2021, 13, 397-420.	5.1	61
5	Dead litter of resident species first facilitates and then inhibits sequential life stages of rangeâ€expanding species. Journal of Ecology, 2021, 109, 1649-1664.	1.9	7
6	Specific niche requirements underpin multidecadal range edge stability, but may introduce barriers for climate change adaptation. Diversity and Distributions, 2021, 27, 668-683.	1.9	15
7	Intraspecific diversity and genetic structure in the widespread macroalga Agarophyton vermiculophyllum. Journal of Phycology, 2021, 57, 1403-1410.	1.0	5
8	Influences of land use and ecological variables on trematode prevalence and intensity at the salt marshâ€upland ecotone. Ecosphere, 2021, 12, e03723.	1.0	2
9	Regional environmental variation and local species interactions influence biogeographic structure on oyster reefs. Ecology, 2020, 101, e02921.	1.5	22
10	Freeze tolerance of polewardâ€spreading mangrove species weakened by soil properties of resident salt marsh competitor. Journal of Ecology, 2020, 108, 1725-1737.	1.9	16
11	Low concentrations and low spatial variability of marine microplastics in oysters (Crassostrea) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	34
12	Black gill increases the susceptibility of white shrimp, Penaeus setiferus (Linnaeus, 1767), to common estuarine predators. Journal of Experimental Marine Biology and Ecology, 2020, 524, 151284.	0.7	15
13	Environmental gradients influence biogeographic patterns of nonconsumptive predator effects on oysters. Ecosphere, 2020, 11, e03260.	1.0	7
14	A comparison of diversity estimators applied to a database of hostâ€“parasite associations. Ecography, 2020, 43, 1316-1328.	2.1	10
15	Global biogeography of marine dispersal potential. Nature Ecology and Evolution, 2020, 4, 1196-1203.	3.4	53
16	Multiple factors contribute to the spatially variable and dramatic decline of an invasive snail in an estuary where it was long-established and phenomenally abundant. Biological Invasions, 2020, 22, 1181-1202.	1.2	5
17	Effects of climate change on parasites and disease in estuarine and nearshore environments. PLoS Biology, 2020, 18, e3000743.	2.6	25
18	Detrital traits affect substitutability of a rangeâ€expanding foundation species across latitude. Oikos, 2019, 128, 1367-1380.	1.2	8

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19	Sex, size, and prey caloric value affect diet specialization and consumption of an invasive prey by a native predator. Environmental Epigenetics, 2019, 65, 499-507.	0.9	8
20	High abundance of an invasive species gives it an outsized ecological role. Freshwater Biology, 2019, 64, 577-586.	1.2	14
21	Genetic diversity and phenotypic variation within hatcheryâ€produced oyster cohorts predict size and success in the field. Ecological Applications, 2019, 29, e01940.	1.8	17
22	What factors explain the geographical range of mammalian parasites?. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190673.	1.2	14
23	Not so fast: promoting invasive species to enhance multifunctionality in a native ecosystem requires strong(er) scrutiny. Biological Invasions, 2019, 21, 19-25.	1.2	27
24	Does predator-driven, biotic resistance limit the northward spread of the non-native green porcelain crab, Petrolisthes armatus?. Biological Invasions, 2019, 21, 245-260.	1.2	10
25	Promoting invasive species to enhance multifunctionality in a native ecosystem still requires strong(er) scrutiny. Biological Invasions, 2019, 21, 277-280.	1.2	4
26	Host and parasite thermal ecology jointly determine the effect of climate warming on epidemic dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 744-749.	3.3	109
27	Effects of Small-Scale Armoring and Residential Development on the Salt Marsh-Upland Ecotone. Estuaries and Coasts, 2018, 41, 54-67.	1.0	9
28	Stronger positive association between an invasive crab and a native intertidal ecosystem engineer with increasing wave exposure. Marine Environmental Research, 2018, 142, 124-129.	1.1	4
29	Mixed effects of an introduced ecosystem engineer on the foraging behavior and habitat selection of predators. Ecology, 2018, 99, 2751-2762.	1.5	17
30	Facilitating your replacement? Ecosystem engineer legacy affects establishment success of an expanding competitor. Oecologia, 2018, 188, 251-262.	0.9	12
31	Responses of an oyster host (Crassostrea virginica) and its protozoan parasite (Perkinsus) Tj ETQq1 1 0.784314 rgBT /Over	0.9	10
32	Genetic by environmental variation but no local adaptation in oysters (Crassostrea virginica). Ecology and Evolution, 2017, 7, 697-709.	0.8	21
33	Global Mammal Parasite Database version 2.0. Ecology, 2017, 98, 1476-1476.	1.5	98
34	Genetic identification of source and likely vector of a widespread marine invader. Ecology and Evolution, 2017, 7, 4432-4447.	0.8	61
35	The effects of tidal elevation on parasite heterogeneity and co-infection in the eastern oyster, Crassostrea virginica. Journal of Experimental Marine Biology and Ecology, 2017, 494, 32-37.	0.7	17
36	Non-native parasite enhances susceptibility of host to native predators. Oecologia, 2017, 183, 919-926.	0.9	25

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37	Contrasting complexity of adjacent habitats influences the strength of cascading predatory effects. Oecologia, 2017, 185, 107-117.	0.9	24
38	Mass mortality of a dominant invasive species in response to an extreme climate event: Implications for ecosystem function. Limnology and Oceanography, 2017, 62, 177-188.	1.6	42
39	Predators, environment and host characteristics influence the probability of infection by an invasive castrating parasite. Oecologia, 2017, 183, 139-149.	0.9	17
40	The double edge to parasite escape: invasive host is less infected but more infectable. Ecology, 2017, 98, 2241-2247.	1.5	24
41	Ocean currents and competitive strength interact to cluster benthic species range boundaries in the coastal ocean. Marine Ecology - Progress Series, 2017, 567, 29-40.	0.9	15
42	Bad neighbors: how spatially disjunct habitat degradation can cause systemâ€wide population collapse. Ecology, 2016, 97, 2858-2866.	1.5	2
43	Consistency of trematode infection prevalence in host populations across large spatial and temporal scales. Ecology, 2016, 97, 1643-1649.	1.5	16
44	The oceanic concordance of phylogeography and biogeography: a case study in <scp>N</scp>otochthamalus. Ecology and Evolution, 2016, 6, 4403-4420.	0.8	28
45	Invasion of novel habitats uncouples haploâ€diplontic life cycles. Molecular Ecology, 2016, 25, 3801-3816.	2.0	87
46	The macroecology of infectious diseases: a new perspective on globalâ€scale drivers of pathogen distributions and impacts. Ecology Letters, 2016, 19, 1159-1171.	3.0	126
47	Local adaptation to parasite selective pressure: comparing three congeneric co-occurring hosts. Oecologia, 2016, 180, 137-147.	0.9	5
48	Invasive dÃ©cor: an association between a native decorator worm and a non-native seaweed can be mutualistic. Marine Ecology - Progress Series, 2016, 545, 135-145.	0.9	28
49	Invasion Expansion: Time since introduction best predicts global ranges of marine invaders. Scientific Reports, 2015, 5, 12436.	1.6	48
50	Do native predators benefit from nonâ€native prey?. Ecology Letters, 2015, 18, 1174-1180.	3.0	73
51	The location, strength, and mechanisms behind marine biogeographic boundaries of the east coast of North America. Ecography, 2015, 38, 722-731.	2.1	46
52	Opposing selective pressures decouple pattern and process of parasitic infection over small spatial scale. Oikos, 2015, 124, 1511-1519.	1.2	23
53	Individual variation in predator behavior and demographics affects consumption of non-native prey. Behavioral Ecology, 2015, 26, 797-804.	1.0	25
54	Predation risk predicts use of a novel habitat. Oikos, 2015, 124, 1225-1231.	1.2	29

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55	Geographic variation in intertidal oyster reef properties and the influence of tidal prism. Limnology and Oceanography, 2015, 60, 1051-1063.	1.6	59
56	Development and characterization of microsatellite loci for the haploidâ€“diploid red seaweedGracilaria vermiculophylla. PeerJ, 2015, 3, e1159.	0.9	17
57	Host and parasite recruitment correlated at a regional scale. Oecologia, 2014, 174, 731-738.	0.9	13
58	Climate controls the distribution of a widespread invasive species: implications for future range expansion. Freshwater Biology, 2014, 59, 847-857.	1.2	47
59	The biogeography of trophic cascades on US oyster reefs. Ecology Letters, 2014, 17, 845-854.	3.0	50
60	Circulation constrains the evolution of larval development modes and life histories in the coastal ocean. Ecology, 2014, 95, 1022-1032.	1.5	29
61	Engineering or food? mechanisms of facilitation by a habitatâ€forming invasive seaweed. Ecology, 2014, 95, 2699-2706.	1.5	67
62	Large-scale spatial variation in parasite communities influenced by anthropogenic factors. Ecology, 2014, 95, 1876-1887.	1.5	30
63	A Non-Native Prey Mediates the Effects of a Shared Predator on an Ecosystem Service. PLoS ONE, 2014, 9, e93969.	1.1	9
64	Impacts of marine invaders on biodiversity depend on trophic position and functional similarity. Marine Ecology - Progress Series, 2014, 495, 39-47.	0.9	117
65	Modeling the relationship between propagule pressure and invasion risk to inform policy and management. Ecological Applications, 2013, 23, 1691-1706.	1.8	46
66	Performance of non-native species within marine reserves. Biological Invasions, 2013, 15, 17-28.	1.2	48
67	Climate and pH Predict the Potential Range of the Invasive Apple Snail (Pomacea insularum) in the Southeastern United States. PLoS ONE, 2013, 8, e56812.	1.1	73
68	Positive versus negative effects of an invasive ecosystem engineer on different components of a marine ecosystem. Oikos, 2013, 122, 816-824.	1.2	67
69	Do invasive species perform better in their new ranges?. Ecology, 2013, 94, 985-994.	1.5	210
70	Edges and Overlaps in Northwest Atlantic Phylogeography. Diversity, 2013, 5, 263-275.	0.7	19
71	Differences in anti-predator traits of a native bivalve following invasion by a habitat-forming seaweed. Marine and Freshwater Research, 2012, 63, 246.	0.7	7
72	Impacts of an abundant introduced ecosystem engineer within mudflats of the southeastern US coast. Biological Invasions, 2012, 14, 2587-2600.	1.2	89

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73	Indirect effects of parasites in invasions. Functional Ecology, 2012, 26, 1262-1274.	1.7	172
74	Parasites and invasions: a biogeographic examination of parasites and hosts in native and introduced ranges. Journal of Biogeography, 2012, 39, 609-622.	1.4	43
75	Invasive ecosystem engineer selects for different phenotypes of an associated native species. Ecology, 2012, 93, 1262-1268.	1.5	17
76	Densityâ€dependent facilitation cascades determine epifaunal community structure in temperate Australian mangroves. Ecology, 2012, 93, 1388-1401.	1.5	74
77	A practical approach to implementation of ecosystemâ€based management: a case study using the Gulf of Maine marine ecosystem. Frontiers in Ecology and the Environment, 2011, 9, 183-189.	1.9	33
78	Asymmetric dispersal allows an upstream region to control population structure throughout a speciesâ€™ range. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15288-15293.	3.3	97
79	Using Parasitic Trematode Larvae to Quantify an Elusive Vertebrate Host. Conservation Biology, 2011, 25, 85-93.	2.4	38
80	Human-driven spatial and temporal shift in trophodynamics in the Gulf of Maine, USA. Marine Biology, 2011, 158, 631-638.	0.7	2
81	â€˜Caribbean Creepâ€™ Chills Out: Climate Change and Marine Invasive Species. PLoS ONE, 2011, 6, e29657.	1.1	56
82	Native species behaviour mitigates the impact of habitat-forming invasive seaweed. Oecologia, 2010, 163, 527-534.	0.9	31
83	A hitchhikerâ€™s guide to the Maritimes: anthropogenic transport facilitates longâ€distance dispersal of an invasive marine crab to Newfoundland. Diversity and Distributions, 2010, 16, 879-891.	1.9	90
84	A framework for understanding physical ecosystem engineering by organisms. Oikos, 2010, 119, 1862-1869.	1.2	184
85	Variable direct and indirect effects of a habitat-modifying invasive species on mortality of native fauna. Ecology, 2010, 91, 1787-1798.	1.5	66
86	Historical invasions of the intertidal zone of Atlantic North America associated with distinctive patterns of trade and emigration. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8239-8244.	3.3	73
87	Including parasites in food webs. Trends in Parasitology, 2009, 25, 55-57.	1.5	39
88	Community impacts of two invasive crabs: the interactive roles of density, prey recruitment, and indirect effects. Biological Invasions, 2009, 11, 927-940.	1.2	58
89	Poor phenotypic integration of blue mussel inducible defenses in environments with multiple predators. Oikos, 2009, 118, 758-766.	1.2	45
90	Behavioural interactions between ecosystem engineers control community species richness. Ecology Letters, 2009, 12, 1127-1136.	3.0	85

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91	Competition in Marine Invasions. Ecological Studies, 2009, , 245-260.	0.4	14
92	Differential escape from parasites by two competing introduced crabs. Marine Ecology - Progress Series, 2009, 393, 83-96.	0.9	29
93	Five Potential Consequences of Climate Change for Invasive Species. Conservation Biology, 2008, 22, 534-543.	2.4	997
94	Solving cryptogenic histories using host and parasite molecular genetics: the resolution of Littorina littorea's North American origin. Molecular Ecology, 2008, 17, 3684-3696.	2.0	79
95	USING PARASITES TO INFORM ECOLOGICAL HISTORY: COMPARISONS AMONG THREE CONGENERIC MARINE SNAILS. Ecology, 2008, 89, 1068-1078.	1.5	43
96	Going against the flow: how marine invasions spread and persist in the face of advection1. ICES Journal of Marine Science, 2008, 65, 723-724.	1.2	13
97	CONTROLS OF SPATIAL VARIATION IN THE PREVALENCE OF TREMATODE PARASITES INFECTING A MARINE SNAIL. Ecology, 2008, 89, 439-451.	1.5	106
98	POACHING, ENFORCEMENT, AND THE EFFICACY OF MARINE RESERVES. Ecological Applications, 2007, 17, 1851-1856.	1.8	65
99	10 Synthesis: Lessons from disparate ecosystem engineers. Theoretical Ecology Series, 2007, 4, 203-208.	0.1	3
100	Parasites alter community structure. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9335-9339.	3.3	258
101	Ecosystem engineering in space and time. Ecology Letters, 2007, 10, 153-164.	3.0	488
102	Do artificial substrates favor nonindigenous fouling species over native species?. Journal of Experimental Marine Biology and Ecology, 2007, 342, 54-60.	0.7	168
103	Divergent Induced Responses to an Invasive Predator in Marine Mussel Populations. Science, 2006, 313, 831-833.	6.0	230
104	Using ecosystem engineers to restore ecological systems. Trends in Ecology and Evolution, 2006, 21, 493-500.	4.2	371
105	Intraguild predation reduces redundancy of predator species in multiple predator assemblage. Journal of Animal Ecology, 2006, 75, 959-966.	1.3	71
106	Partitioning mechanisms of Predator Interference in different Habitats. Oecologia, 2006, 146, 608-614.	0.9	83
107	Invertebrate community responses to recreational clam digging. Marine Biology, 2006, 149, 1489-1497.	0.7	24
108	Going against the flow: retention, range limits and invasions in advective environments. Marine Ecology - Progress Series, 2006, 313, 27-41.	0.9	199

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109	MARINE RESERVES ENHANCE ABUNDANCE BUT NOT COMPETITIVE IMPACTS OF A HARVESTED NONINDIGENOUS SPECIES. Ecology, 2005, 86, 487-500.	1.5	56
110	MORE HARM THAN GOOD: WHEN INVADER VULNERABILITY TO PREDATORS ENHANCES IMPACT ON NATIVE SPECIES. Ecology, 2005, 86, 2555-2560.	1.5	93
111	Differential Parasitism of Native and Introduced Snails: Replacement of a Parasite Fauna. Biological Invasions, 2005, 7, 885-894.	1.2	67
112	Introduction of Non-Native Oysters: Ecosystem Effects and Restoration Implications. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 643-689.	3.8	419
113	Quantifying geographic variation in physiological performance to address the absence of invading species. Ecoscience, 2005, 12, 358-365.	0.6	2
114	As good as dead? Sublethal predation facilitates lethal predation on an intertidal clam. Ecology Letters, 2004, 8, 160-166.	3.0	58
115	SCALE DEPENDENT EFFECTS OF BIOTIC RESISTANCE TO BIOLOGICAL INVASION. Ecology, 2003, 84, 1428-1433.	1.5	185
116	Impact of non-indigenous species on natives enhanced by anthropogenic alteration of selection regimes. Oikos, 2002, 97, 449-458.	1.2	354
117	Directing Research to Reduce the Impacts of Nonindigenous Species. Conservation Biology, 2002, 16, 630-640.	2.4	372
118	Physical habitat attribute mediates biotic resistance to non-indigenous species invasion. Oecologia, 2002, 130, 146-156.	0.9	134
119	EXPOSING THE MECHANISM AND TIMING OF IMPACT OF NONINDIGENOUS SPECIES ON NATIVE SPECIES. Ecology, 2001, 82, 1330-1343.	1.5	53
120	CASCADING OF HABITAT DEGRADATION: OYSTER REEFS INVADED BY REFUGEE FISHES ESCAPING STRESS. , 2001, 11, 764-782.		199
121	Exposing the Mechanism and Timing of Impact of Nonindigenous Species on Native Species. Ecology, 2001, 82, 1330.	1.5	3
122	Effects of body size and resource availability on dispersal in a native and a non-native estuarine snail. Journal of Experimental Marine Biology and Ecology, 2000, 248, 133-150.	0.7	50
123	COMPETITION BETWEEN TWO ESTUARINE SNAILS: IMPLICATIONS FOR INVASIONS OF EXOTIC SPECIES. Ecology, 2000, 81, 1225-1239.	1.5	248
124	Differential susceptibility to hypoxia aids estuarine invasion. Marine Ecology - Progress Series, 2000, 203, 123-132.	0.9	28
125	Impact: Toward a Framework for Understanding the Ecological Effects of Invaders. Biological Invasions, 1999, 1, 3-19.	1.2	1,443
126	Title is missing!. Biological Invasions, 1999, 1, 339-352.	1.2	44

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127	The Global Garlic Mustard Field Survey (GGMFS): challenges and opportunities of a unique, large-scale collaboration for invasion biology. NeoBiota, 0, 21, 29-47.	1.0	19
128	Forty years of experiments on aquatic invasive species: are study biases limiting our understanding of impacts?. NeoBiota, 0, 22, 1-22.	1.0	37
129	Traits of Resident Saltmarsh Plants Promote Retention of Range-Expanding Mangroves Under Specific Tidal Regimes. Estuaries and Coasts, 0, , 1.	1.0	2