

# Edwin D Grosholz

## List of Publications by Year in descending order

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Version: 2024-02-01

82

papers

7,326

citations

126907

33

h-index

74163

75

g-index

83

all docs

83

docs citations

83

times ranked

7334

citing authors

#	ARTICLE	IF	CITATIONS
1	Global Invasions of Marine and Estuarine Habitats by Non-Indigenous Species: Mechanisms, Extent, and Consequences. <i>American Zoologist</i> , 1997, 37, 621-632.	0.7	831
2	Global threats from invasive alien species in the twenty-first century and national response capacities. <i>Nature Communications</i> , 2016, 7, 12485.	12.8	808
3	Ecological and evolutionary consequences of coastal invasions. <i>Trends in Ecology and Evolution</i> , 2002, 17, 22-27.	8.7	563
4	Will extreme climatic events facilitate biological invasions?. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 249-257.	4.0	402
5	Non-Indigenous species as stressors in estuarine and marine communities: Assessing invasion impacts and interactions. <i>Limnology and Oceanography</i> , 1999, 44, 950-972.	3.1	354
6	THE IMPACTS OF A NONINDIGENOUS MARINE PREDATOR IN A CALIFORNIA BAY. <i>Ecology</i> , 2000, 81, 1206-1224.	3.2	321
7	Population dynamics of the ribbed mussel, <i>Geukensia demissa</i> : The costs and benefits of an aggregated distribution. <i>Oecologia</i> , 1985, 67, 192-204.	2.0	297
8	Predicting the impact of introduced marine species: Lessons from the multiple invasions of the European green crab <i>Carcinus maenas</i> . <i>Biological Conservation</i> , 1996, 78, 59-66.	4.1	257
9	Poised to prosper? A cross-system comparison of climate change effects on native and non-native species performance. <i>Ecology Letters</i> , 2013, 16, 261-270.	6.4	256
10	INVASIVE CORDGRASS MODIFIES WETLAND TROPHIC FUNCTION. <i>Ecology</i> , 2006, 87, 419-432.	3.2	211
11	Recent biological invasion may hasten invasional meltdown by accelerating historical introductions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1088-1091.	7.1	197
12	Global change, global trade, and the next wave of plant invasions. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 20-28.	4.0	195
13	NITROGEN INPUTS PROMOTE THE SPREAD OF AN INVASIVE MARSH GRASS. <i>Ecological Applications</i> , 2007, 17, 1886-1898.	3.8	192
14	The Invasive Species Challenge in Estuarine and Coastal Environments: Marrying Management and Science. <i>Estuaries and Coasts</i> , 2008, 31, 3-20.	2.2	179
15	Contrasting Rates of Spread for Introduced Species in Terrestrial and Marine Systems. <i>Ecology</i> , 1996, 77, 1680-1686.	3.2	149
16	Benthic macrofaunal communities of three sites in San Francisco Bay invaded by hybrid <i>Spartina</i> , with comparison to uninvaded habitats. <i>Marine Ecology - Progress Series</i> , 2005, 292, 111-126.	1.9	127
17	MECHANISMS GENERATING MODIFICATION OF BENTHOS FOLLOWING TIDAL FLAT INVASION BY A SPARTINA HYBRID. , 2006, 16, 1391-1404.		125
18	Guidelines for evaluating performance of oyster habitat restoration. <i>Restoration Ecology</i> , 2015, 23, 737-745.	2.9	125

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19	Biotic resistance in marine environments. Ecology Letters, 2013, 16, 821-833.	6.4	110
20	Optimal approaches for balancing invasive species eradication and endangered species management. Science, 2014, 344, 1028-1031.	12.6	92
21	Functional eradication as a framework for invasive species control. Frontiers in Ecology and the Environment, 2021, 19, 98-107.	4.0	92
22	Biological invasions drive size increases in marine and estuarine invertebrates. Ecology Letters, 2003, 6, 700-705.	6.4	89
23	Invasive species cause large-scale loss of native California oyster habitat by disrupting trophic cascades. Oecologia, 2009, 160, 563-575.	2.0	83
24	Interactions of Intraspecific, Interspecific, and Apparent Competition with Host-Pathogen Population Dynamics. Ecology, 1992, 73, 507-514.	3.2	76
25	DISTURBANCE INFLUENCES OYSTER COMMUNITY RICHNESS AND EVENNESS, BUT NOT DIVERSITY. Ecology, 2006, 87, 2378-2388.	3.2	72
26	Tackling aquatic invasions: risks and opportunities for the aquarium fish industry. Biological Invasions, 2009, 11, 773-785.	2.4	67
27	Influence of invasive <i>Spartina</i> growth stages on associated macrofaunal communities. Biological Invasions, 2007, 9, 975-993.	2.4	63
28	Native and Introduced Ecosystem Engineers Produce Contrasting Effects on Estuarine Infaunal Communities. Biological Invasions, 2006, 8, 683-695.	2.4	59
29	Potential ecological implications from the introduction of the European green crab, <i>Carcinus maenas</i> (Linnaeus), to British Columbia, Canada, and Washington, USA. Journal of Natural History, 1998, 32, 1587-1598.	0.5	58
30	The influence of flood cycle and fish predation on invertebrate production on a restored California floodplain. Hydrobiologia, 2006, 568, 91-109.	2.0	55
31	Testing local and global stressor impacts on a coastal foundation species using an ecologically realistic framework. Global Change Biology, 2015, 21, 2488-2499.	9.5	54
32	Preliminary reports from the <i>Caulerpa taxifolia</i> invasion in southern California. Marine Ecology - Progress Series, 2002, 233, 307-310.	1.9	48
33	Supporting <i>Spartina</i> : Interdisciplinary perspective shows <i>Spartina</i> as a distinct solid genus. Ecology, 2019, 100, e02863.	3.2	39
34	Varying reproductive success under ocean warming and acidification across giant kelp ( <i>Macrocystis</i> )	1.5	39
35	Trophic sensitivity of invasive predator and native prey interactions: integrating environmental context and climate change. Functional Ecology, 2017, 31, 642-652.	3.6	37
36	Aquaculture as a vector for marine invasions in California. Biological Invasions, 2015, 17, 1471-1484.	2.4	33

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37	The influence of habitat heterogeneity on host-pathogen population dynamics. <i>Oecologia</i> , 1993, 96, 347-353.	2.0	28
38	Coastwide recruitment dynamics of <i>Olympia</i> oysters reveal limited synchrony and multiple predictors of failure. <i>Ecology</i> , 2016, 97, 3503-3516.	3.2	28
39	Environmental stress mediates trophic cascade strength and resistance to invasion. <i>Ecosphere</i> , 2016, 7, e01247.	2.2	27
40	Stage-specific overcompensation, the hydra effect, and the failure to eradicate an invasive predator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
41	Ghost of invasion past: legacy effects on community disassembly following eradication of an invasive ecosystem engineer. <i>Ecosphere</i> , 2017, 8, e01711.	2.2	25
42	Avoidance by grazers facilitates spread of an invasive hybrid plant. <i>Ecology Letters</i> , 2010, 13, 145-153.	6.4	24
43	Nutrients mitigate the impacts of extreme drought on plant invasions. <i>Ecology</i> , 2020, 101, e02980.	3.2	24
44	Small spatial-scale differentiation among populations of an introduced colonial invertebrate. <i>Oecologia</i> , 2001, 129, 58-64.	2.0	23
45	Does invasion of hybrid cordgrass change estuarine food webs?. <i>Biological Invasions</i> , 2009, 11, 917-926.	2.4	22
46	Modeling the impacts of the European green crab on commercial shellfisheries. , 2011, 21, 915-924.		22
47	Does spatial heterogeneity and genetic variation in populations of the xanthid crab <i>Rhithropanopeus harrisi</i> (Gould) influence the prevalence of an introduced parasitic castrator?. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 187, 129-145.	1.5	19
48	Effect of native and invasive cordgrass on <i>Macoma petalum</i> density, growth, and isotopic signatures. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 517-522.	2.1	19
49	Thermogeographic variation in body size of <i>Carcinus maenas</i> , the European green crab. <i>Marine Biology</i> , 2015, 162, 1625-1635.	1.5	18
50	Timing of stressors alters interactive effects on a coastal foundation species. <i>Ecology</i> , 2017, 98, 2468-2478.	3.2	18
51	Into the weeds: Matching importation history to genetic consequences and pathways in two widely used biological control agents. <i>Evolutionary Applications</i> , 2019, 12, 773-790.	3.1	18
52	Spatial and temporal movement of the lined shore crab <i>Pachygrapsus crassipes</i> in salt marshes and its utility as an indicator of habitat condition. <i>Marine Ecology - Progress Series</i> , 2006, 314, 271-281.	1.9	17
53	Multiple and long-term effects of an introduced predatory crab. <i>Marine Ecology - Progress Series</i> , 2011, 429, 145-155.	1.9	16
54	Multitrophic Effects of Invasions in Marine and Estuarine Systems. <i>Ecological Studies</i> , 2009, , 305-324.	1.2	15

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55	Conservation of Marine Foundation Species: Learning from Native Oyster Restoration from California to British Columbia. <i>Estuaries and Coasts</i> , 2021, 44, 1723-1743.	2.2	15
56	Conservation aquaculture as a tool for imperiled marine species: Evaluation of opportunities and risks for Olympia oysters, <i>Ostrea lurida</i> . <i>PLoS ONE</i> , 2021, 16, e0252810.	2.5	15
57	Balanced polymorphism fuels rapid selection in an invasive crab despite high gene flow and low genetic diversity. <i>Molecular Ecology</i> , 2022, 31, 55-69.	3.9	14
58	Effects of seasonal upwelling and runoff on water chemistry and growth and survival of native and commercial oysters. <i>Limnology and Oceanography</i> , 2020, 65, 224-235.	3.1	13
59	The unaddressed threat of invasive animals in U.S. National Parks. <i>Biological Invasions</i> , 2020, 22, 177-188.	2.4	13
60	THE INTRODUCED SABELLID POLYCHAETE <i>TEREBRASABELLA HETEROUNCINATA</i> IN CALIFORNIA: TRANSMISSION, METHODS OF CONTROL AND SURVEY FOR PRESENCE IN NATIVE GASTROPOD POPULATIONS. <i>Journal of Shellfish Research</i> , 2007, 26, 869-876.	0.9	11
61	Local and regional variation in effects of burrowing crabs on plant community structure. <i>Ecology</i> , 2021, 102, e03244.	3.2	10
62	The dynamics of open populations: integration of topâ€“down, bottomâ€“up and supplyâ€“side influences on intertidal oysters. <i>Oikos</i> , 2019, 128, 584-595.	2.7	9
63	Overgrowth of eelgrass by the invasive colonial tunicate <i>Didemnum vexillum</i> : Consequences for tunicate and eelgrass growth and epifauna abundance. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 188-194.	1.5	8
64	Temperatureâ€“induced range expansion of a subtropical crab along the California coast. <i>Marine Ecology</i> , 2018, 39, e12528.	1.1	8
65	Experimental Test of the Effects of a Nonâ€“Native Invasive Species on a Wintering Shorebird. <i>Conservation Biology</i> , 2012, 26, 472-481.	4.7	6
66	Timeâ€“lagged impacts of extreme, multiâ€“year drought on tidal salt marsh plant invasion. <i>Ecosphere</i> , 2020, 11, e03155.	2.2	6
67	San Francisco Bay Living Shorelines. , 2017, , 333-362.		6
68	Habitats and fish communities at mesophotic depths in the Mexican Pacific. <i>Journal of Biogeography</i> , 2020, 47, 1552-1563.	3.0	5
69	Scaling up experimental stress responses of grass invasion to predictions of continentalâ€“level range suitability. <i>Ecology</i> , 2021, 102, e03417.	3.2	5
70	A vector analysis of marine ornamental species in California. <i>Management of Biological Invasions</i> , 2015, 6, 13-29.	1.2	5
71	Evolutionary Novelty and the Behaviour of Introduced Predators. , 2016, , 199-218.		4
72	Predator foraging mode controls the effect of antipredator behavior in a tritrophic model. <i>Theoretical Ecology</i> , 2019, 12, 531-544.	1.0	4

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73	Challenges for the management of the invasive blackberry ( <i>Rubus niveus</i> ) in the restoration of the Scalesia forest in the Galapagos Islands. Invasive Plant Science and Management, 2021, 14, 20-28.	1.1	4
74	Assessing the risk of plant species invasion under different climate change scenarios in California. Invasive Plant Science and Management, 2021, 14, 172-182.	1.1	4
75	Predicting burrowing crab impacts on salt marsh plants. Ecosphere, 2021, 12, e03803.	2.2	4
76	Mapping oysters on the Pacific coast of North America: A coast-wide collaboration to inform enhanced conservation. PLoS ONE, 2022, 17, e0263998.	2.5	4
77	New sources for the emergence of new invaders. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2270-2271.	7.1	3
78	Abiotic and biotic influences on the performance of two biological control agents, <i>Neochetina bruchi</i> and <i>N. eichhorniae</i> , in the Sacramento-San Joaquin River Delta, California (USA). Biological Control, 2021, 153, 104495.	3.0	3
79	THE IMPACTS OF A NONINDIGENOUS MARINE PREDATOR IN A CALIFORNIA BAY. , 0, .		2
80	Engaging the importance of community scientists in the management of an invasive marine pest. California Agriculture, 2021, 75, 40-45.	0.8	1
81	Ecology of Infectious Diseases in Natural Populations.. Ecology, 1996, 77, 2577.	3.2	0
82	Biological invasions alter consumer–stress relationships along an estuarine gradient. Ecology, 2022, , e3695.	3.2	0