A Randall Hughes

List of Publications by Year
in descending order

79 papers	12,445 citations	159585 30 h-index	66911 78 g-index
79 all docs	79 docs citations	79 times ranked	11550 citing authors

#	Article	IF	Citations
1	Accelerating loss of seagrasses across the globe threatens coastal ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12377-12381.	7.1	2,971
2	A Global Crisis for Seagrass Ecosystems. BioScience, 2006, 56, 987.	4.9	2,318
3	The impacts of climate change in coastal marine systems. Ecology Letters, 2006, 9, 228-241.	6.4	1,997
4	Ecological consequences of genetic diversity. Ecology Letters, 2008, 11, 609-623.	6.4	1,342
5	Genetic diversity enhances the resistance of a seagrass ecosystem to disturbance. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8998-9002.	7.1	675
6	Trophic Transfers from Seagrass Meadows Subsidize Diverse Marine and Terrestrial Consumers. Ecosystems, 2008, 11, 1198-1210.	3.4	304
7	Associations of concern: declining seagrasses and threatened dependent species. Frontiers in Ecology and the Environment, 2009, 7, 242-246.	4.0	254
8	HOW HABITAT SETTING INFLUENCES RESTORED OYSTER REEF COMMUNITIES. Ecology, 2005, 86, 1926-1935.	3.2	216
9	Reciprocal relationships and potential feedbacks between biodiversity and disturbance. Ecology Letters, 2007, 10, 849-864.	6.4	183
10	Predator diversity strengthens trophic cascades in kelp forests by modifying herbivore behaviour. Ecology Letters, 2005, 9, 051109031307002.	6.4	167
11	HABITAT COMPLEXITY INFLUENCES CASCADING EFFECTS OF MULTIPLE PREDATORS. Ecology, 2008, 89, 3413-3422.	3.2	145
12	Blue Carbon Storage Capacity of Temperate Eelgrass (<scp>Zostera marina</scp>) Meadows. Global Biogeochemical Cycles, 2018, 32, 1457-1475.	4.9	130
13	Ecological impacts of genotypic diversity in the clonal seagrassZostera marina. Ecology, 2009, 90, 1412-1419.	3.2	127
14	Loss of â€˜Blue Carbonâ€™ from Coastal Salt Marshes Following Habitat Disturbance. PLoS ONE, 2013, 8, e69244.	2.5	115
15	Investing in Natural and Nature-Based Infrastructure: Building Better Along Our Coasts. Sustainability, 2018, 10, 523.	3.2	92
16	The emerging role of genetic diversity for ecosystem functioning: Estuarine macrophytes as models. Estuaries and Coasts, 2006, 29, 159-164.	2.2	83
17	Morphological and physiological variation among seagrass (Zostera marina) genotypes. Oecologia, 2009, 159, 725-733.	2.0	79
18	Habitat context influences predator interference interactions and the strength of resource partitioning. Oecologia, 2006, 149, 256-264.	2.0	68

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19	Geographic variation in intertidal oyster reef properties and the influence of tidal prism. Limnology and Oceanography, 2015, 60, 1051-1063.	3.1	59
20	Predatory fish sounds can alter crab foraging behaviour and influence bivalve abundance. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140715.	2.6	54
21	The biogeography of trophic cascades on US oyster reefs. Ecology Letters, 2014, 17, 845-854.	6.4	50
22	Genotypic diversity and grazer identity interactively influence seagrass and grazer biomass. Marine Ecology - Progress Series, 2010, 403, 43-51.	1.9	47
23	Fine-scale genetic structure and relatedness in the eelgrass Zostera marina. Marine Ecology - Progress Series, 2012, 447, 127-137.	1.9	45
24	Temperature thresholds for black mangrove (Avicennia germinans) freeze damage, mortality and recovery in North America: Refining tipping points for range expansion in a warming climate. Journal of Ecology, 2020, 108, 654-665.	4.0	43
25	Ecological Factors Affecting Community Invasibility. Ecological Studies, 2009, , 215-238.	1.2	41
26	Seagrass genotypic diversity increases disturbance response via complementarity and dominance. Journal of Ecology, 2011, 99, 445-453.	4.0	40
27	Genotypic diversity and trait variance interact to affect marsh plant performance. Journal of Ecology, 2014, 102, 651-658.	4.0	39
28	Genetic Relatedness Influences Plant Biomass Accumulation in Eelgrass (Zostera marina). American Naturalist, 2013, 181, 715-724.	2.1	38
29	Temporal stability in patterns of genetic diversity and structure of a marine foundation species (Zostera marina). Heredity, 2017, 118, 404-412.	2.6	35
30	A neighboring plant species creates associational refuge for consumer and host. Ecology, 2012, 93, 1411-1420.	3.2	34
31	Social Factors Key to Landscape-Scale Coastal Restoration: Lessons Learned from Three U.S. Case Studies. Sustainability, 2020, 12, 869.	3.2	34
32	Additive and site-specific effects of two foundation species on invertebrate community structure. Marine Ecology - Progress Series, 2014, 508, 129-138.	1.9	30
33	Spartina alterniflora genotypic identity affects plant and consumer responses in an experimental marsh community. Journal of Ecology, 2017, 105, 661-673.	4.0	29
34	Climate drives the geography of marine consumption by changing predator communities. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28160-28166.	7.1	29
35	Genotypic diversity at multiple spatial scales in the foundation marsh species, Spartina alterniflora. Marine Ecology - Progress Series, 2014, 497, 105-117.	1.9	28
36	Nonconsumptive effects of a predator weaken then rebound over time. Ecology, 2017, 98, 656-667.	3.2	28

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37	The impacts of mangrove range expansion on wetland ecosystem services in the southeastern United States: Current understanding, knowledge gaps, and emerging research needs. Global Change Biology, 2022, 28, 3163-3187.	9.5	25
38	Inclusion of Biodiversity in Habitat Restoration Policy to Facilitate Ecosystem Recovery. Conservation Letters, 2018, 11, e12419.	5.7	24
39	Effects of intraspecific diversity on survivorship, growth, and recruitment of the eastern oyster across sites. Ecology, 2016, 97, 1518-1529.	3.2	22
40	Regional environmental variation and local species interactions influence biogeographic structure on oyster reefs. Ecology, 2020, 101, e02921.	3.2	22
41	Effects of habitat fragmentation on Zostera marina seed distribution. Aquatic Botany, 2017, 142, 1-9.	1.6	22
42	Genetic by environmental variation but no local adaptation in oysters (Crassostrea virginica). Ecology and Evolution, 2017, 7, 697-709.	1.9	21
43	Independent and interactive effects of two facilitators on their habitatâ€providing host plant, Spartina alterniflora. Oikos, 2014, 123, 488-499.	2.7	19
44	Metaâ€analysis of salt marsh vegetation impacts and recovery: a synthesis following the Deepwater Horizon oil spill. Ecological Applications, 2022, 32, e02489.	3.8	18
45	Predators, environment and host characteristics influence the probability of infection by an invasive castrating parasite. Oecologia, 2017, 183, 139-149.	2.0	17
46	Genetic diversity and phenotypic variation within hatcheryâ€produced oyster cohorts predict size and success in the field. Ecological Applications, 2019, 29, e01940.	3.8	17
47	Predator Cue and Prey Density Interactively Influence Indirect Effects on Basal Resources in Intertidal Oyster Reefs. PLoS ONE, 2012, 7, e44839.	2.5	16
48	Intra-Meadow Variation in Seagrass Flowering Phenology Across Depths. Estuaries and Coasts, 2021, 44, 325-338.	2.2	14
49	Local Adaptation in Marine Foundation Species at Microgeographic Scales. Biological Bulletin, 2021, 241, 16-29.	1.8	14
50	Host and parasite recruitment correlated at a regional scale. Oecologia, 2014, 174, 731-738.	2.0	13
51	Biogeographic gradients in ecosystem processes of the invasive ecosystem engineer Phragmites australis. Biological Invasions, 2016, 18, 2577-2595.	2.4	13
52	Effects of oil exposure, plant species composition, and plant genotypic diversity on salt marsh and mangrove assemblages. Ecosphere, 2018, 9, e02207.	2.2	13
53	Voluntary Restoration: Mitigation's Silent Partner in the Quest to Reverse Coastal Wetland Loss in the USA. Frontiers in Marine Science, 2019, 6, 511.	2.5	13
54	Predicting the sensitivity of marine populations to rising temperatures. Frontiers in Ecology and the Environment, 2019, 17, 17-24.	4.0	13

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55	Plant response to fungal root endophytes varies by host genotype in the foundation species Spartina alterniflora. American Journal of Botany, 2020, 107, 1645-1653.	1.7	13
56	The Distribution and Structure of Mangroves (Avicennia germinans and Rhizophora mangle) Near a Rapidly Changing Range Limit in the Northeastern Gulf of Mexico. Estuaries and Coasts, 2022, 45, 181-195.	2.2	13
57	Repeated Genetic and Adaptive Phenotypic Divergence across Tidal Elevation in a Foundation Plant Species. American Naturalist, 2021, 198, E152-E169.	2.1	13
58	Consumer trait variation influences tritrophic interactions in salt marsh communities. Ecology and Evolution, 2015, 5, 2659-2672.	1.9	12
59	Shortâ€and longâ€term effects of nutrient enrichment on salt marsh plant production and microbial community structure. Journal of Ecology, 2021, 109, 3779-3793.	4.0	12
60	Consumption rates vary based on the presence and type of oyster structure: A seasonal and latitudinal comparison. Journal of Experimental Marine Biology and Ecology, 2021, 536, 151501.	1.5	9
61	The biogeography of community assembly: latitude and predation drive variation in community trait distribution in a guild of epifaunal crustaceans. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211762.	2.6	9
62	Fish and invertebrate use of restored vs. natural oyster reefs in a shallow temperate latitude estuary. Ecosphere, 2022, 13, .	2.2	9
63	Intraspecific diversity in prey body size influences survivorship by conferring resistance to predation. Ecosphere, 2020, 11, e03106.	2.2	8
64	Predicting the stability of multitrophic communities in a variable world. Ecology, 2020, 101, e02992.	3.2	8
65	Genetic diversity of seagrass seeds influences seedling morphology and biomass. Ecology, 2016, 97, 3538-3546.	3.2	7
66	Environmental gradients influence biogeographic patterns of nonconsumptive predator effects on oysters. Ecosphere, 2020, 11, e03260.	2.2	7
67	Linking Spatial Patterns of Adult and Seed Diversity Across the Depth Gradient in the Seagrass Zostera marina L.. Estuaries and Coasts, 2021, 44, 383-395.	2.2	7
68	Effects of Pinna clams on benthic macrofauna and the possible implications of their removal from seagrass ecosystems. Journal of Molluscan Studies, 2014, 80, 102-106.	1.2	6
69	Genotypic diversity weakens competition within, but not between, plant species. Journal of Ecology, 2020, 108, 2212-2220.	4.0	6
70	Recruitment enhancement varies by taxonomic group and oyster reef habitat characteristics. Ecological Applications, 2021, 31, e02340.	3.8	6
71	Phenotypic Variation Among Invasive Phragmites australis Populations Does Not Influence Salinity Tolerance. Estuaries and Coasts, 2018, 41, 896-907.	2.2	4
72	Differential incorporation of scientific advances affects coastal habitat restoration practice. Conservation Science and Practice, 2020, 2, e305.	2.0	2

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73	Intraspecific diversity at two trophic levels influences plantâ€“herbivore interactions. Ecosphere, 2020, 11, e03121.	2.2	2
74	Incorporating marine macrophytes in plantâ€“soil feedbacks: Emerging evidence and opportunities to advance the field. Journal of Ecology, 2021, 109, 614-625.	4.0	2
75	Genetic and Epigenetic Differentiation Across Intertidal Gradients in the Foundation Plant Spartina alterniflora. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	2
76	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951â€“2018). Estuaries and Coasts, 2021, 44, 304-311.	2.2	1
77	Effects of a non-native cyanobacterium on bay scallops (Argopecten irradians) in a New England seagrass ecosystem. Marine Environmental Research, 2021, 170, 105427.	2.5	1
78	Edge effects influence the composition and density of reef residents on subtidal restored oyster reefs. Restoration Ecology, 2023, 31, .	2.9	1
79	Genetic Diversity and Phenotypic Variation Within Hatcheryâ€Produced Oyster Cohorts Predict Size and Success in the Field. Bulletin of the Ecological Society of America, 2019, 100, e01586.	0.2	0