Robert J Orth

List of Publications by Year
in descending order

66	11,677	109264	123376
papers	citations	35 h-index	61 g-index

69	69	69	6410
all docs	docs citations	times ranked	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.	3.3	2,971
2	A Global Crisis for Seagrass Ecosystems. BioScience, 2006, 56, 987.	2.2	2,318
3	Faunal Communities in Seagrass Beds: A Review of the Influence of Plant Structure and Prey Characteristics on Predator: Prey Relationships. Estuaries and Coasts, 1984, 7, 339.	1.7	851
4	Assessing Water Quality with Submersed Aquatic Vegetation. BioScience, 1993, 43, 86-94.	2.2	730
5	Global analysis of seagrass restoration: the importance of largeâ€scale planting. Journal of Applied Ecology, 2016, 53, 567-578.	1.9	348
6	Trophic Transfers from Seagrass Meadows Subsidize Diverse Marine and Terrestrial Consumers. Ecosystems, 2008, 11, 1198-1210.	1.6	304
7	Seed Dispersal in a Marine Macrophyte: Implications for Colonization and Restoration. Ecology, 1994, 75, 1927-1939.	1.5	276
8	The Central Role of Dispersal in the Maintenance and Persistence of Seagrass Populations. BioScience, 2012, 62, 56-65.	2.2	256
9	Relative effects of nutrient enrichment and grazing on epiphyte-macrophyte (Zostera marina L.) dynamics. Oecologia, 1993, 93, 285-295.	0.9	254
10	Long-term nutrient reductions lead to the unprecedented recovery of a temperate coastal region. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3658-3662.	3.3	199
11	Seagrass recovery in the Delmarva Coastal Bays, USA. Aquatic Botany, 2006, 84, 26-36.	0.8	175
12	LONG-DISTANCE DISPERSAL POTENTIAL IN A MARINE MACROPHYTE. Ecology, 2002, 83, 3319-3330.	1.5	172
13	Seasonal pulses of turbidity and their relations to eelgrass (Zostera marina L.) survival in an estuary. Journal of Experimental Marine Biology and Ecology, 1997, 215, 115-134.	0.7	168
14	Seasonal and year-to-year variations in the growth of Zostera marina L. (eelgrass) in the lower Chesapeake Bay. Aquatic Botany, 1986, 24, 335-341.	0.8	159
15	Environmental regulation of seed germination in Zostera marina L. (eelgrass) in Chesapeake Bay: effects of light, oxygen and sediment burial. Aquatic Botany, 1993, 45, 79-91.	0.8	158
16	Distribution and Abundance of Submerged Aquatic Vegetation in Chesapeake Bay: An Historical Perspective. Estuaries and Coasts, 1984, 7, 531.	1.7	147
17	Restoration of seagrass habitat leads to rapid recovery of coastal ecosystem services. Science Advances, 2020, 6, .	4.7	136
18	Multiple stressors threaten the imperiled coastal foundation species eelgrass (Zostera marina) in Chesapeake Bay, <scp>USA</scp>. Global Change Biology, 2017, 23, 3474-3483.	4.2	134

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19	Analysis of the Abundance of Submersed Aquatic Vegetation Communities in the Chesapeake Bay. Estuaries and Coasts, 2000, 23, 115.	1.7	124
20	Innovative Techniques for Large-scale Seagrass Restoration Using Zostera marina (eelgrass) Seeds. Restoration Ecology, 2010, 18, 514-526.	1.4	119
21	Destruction of Eelgrass, Zostera marina, by the Cownose Ray, Rhinoptera bonasus, in the Chesapeake Bay. Chesapeake Science, 1975, 16, 205.	0.5	115
22	Long-Term Trends in Submersed Aquatic Vegetation (SAV) in Chesapeake Bay, USA, Related to Water Quality. Estuaries and Coasts, 2010, 33, 1144-1163.	1.0	108
23	Effects of predation on Zostera marina L. seed abundance. Journal of Experimental Marine Biology and Ecology, 1996, 198, 11-26.	0.7	102
24	Benthic Infauna of Eelgrass, Zostera marina, Beds. Chesapeake Science, 1973, 14, 258.	0.5	90
25	Eelgrass (Zostera marina L.) in the Chesapeake Bay Region of Mid-Atlantic Coast of the USA: Challenges in Conservation and Restoration. Estuaries and Coasts, 2010, 33, 139-150.	1.0	86
26	Seed germination and seedling growth of Zostera marina L. (eelgrass) in the chesapeake bay. Aquatic Botany, 1983, 15, 117-131.	0.8	79
27	Distribution of Zostera marina L. and Ruppia maritima L. sensu lato along depth gradients in the lower Chesapeake Bay, U.S.A.. Aquatic Botany, 1988, 32, 291-305.	0.8	76
28	A rapid and simple method for transplanting eelgrass using single, unanchored shoots. Aquatic Botany, 1999, 64, 77-85.	0.8	74
29	Latitude, temperature, and habitat complexity predict predation pressure in eelgrass beds across the Northern Hemisphere. Ecology, 2018, 99, 29-35.	1.5	70
30	Submersed Aquatic Vegetation in Chesapeake Bay: Sentinel Species in a Changing World. BioScience, 2017, 67, 698-712.	2.2	68
31	LINKING WATER QUALITY TO LIVING RESOURCES IN A MIDâ€ATLANTIC LAGOON SYSTEM, USA. Ecological Applications, 2007, 17, S64.	1.8	59
32	Effects of a deposit-feeding invertebrate on the entrapment of Zostera marina L. seeds. Aquatic Botany, 1999, 62, 235-247.	0.8	51
33	Evaluation of a mechanical seed planter for transplanting Zostera marina (eelgrass) seeds. Aquatic Botany, 2009, 90, 204-208.	0.8	45
34	A Comparative Test of Mechanized and Manual Transplanting of Eelgrass, Zostera marina, in Chesapeake Bay. Restoration Ecology, 2004, 12, 214-219.	1.4	44
35	Identifying critical recruitment bottlenecks limiting seedling establishment in a degraded seagrass ecosystem. Scientific Reports, 2017, 7, 14786.	1.6	40
36	Marine Phytophthora species can hamper conservation and restoration of vegetated coastal ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160812.	1.2	38

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37	The demise and recovery of eelgrass, Zostera marina, in the Chesapeake Bay, Virginia. Aquatic Botany, 1976, 2, 141-159.	0.8	33
38	Mechanisms of Storm-Related Loss and Resilience in a Large Submersed Plant Bed. Estuaries and Coasts, 2016, 39, 951-966.	1.0	33
39	Faunal Communities Are Invariant to Fragmentation in Experimental Seagrass Landscapes. PLoS ONE, 2016, 11, e0156550.	1.1	33
40	Seed bank patterns in Chesapeake Bay eelgrass (Zostera marina L.): A bay-wide perspective. Estuaries and Coasts, 2002, 25, 1196-1204.	1.7	31
41	Seagrass Recovery Following Marine Heat Wave Influences Sediment Carbon Stocks. Frontiers in Marine Science, 2021, 7, .	1.2	30
42	Factors Influencing Seedling Establishment Rates in Zostera marina and Their Implications for Seagrass Restoration. Restoration Ecology, 2010, 18, 549-559.	1.4	29
43	Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive shoots of eelgrass. Aquatic Botany, 2001, 70, 1-7.	0.8	27
44	Historical Comparison of Fish Community Structure in Lower Chesapeake Bay Seagrass Habitats. Estuaries and Coasts, 2013, 36, 775-794.	1.0	26
45	Restored Eelgrass (Zostera marina L.) as a Refuge for Epifaunal Biodiversity in Mid-Western Atlantic Coastal Bays. Estuaries and Coasts, 2017, 40, 200-212.	1.0	26
46	Posidonia australis seed predation in seagrass habitats of Two Peoples Bay, Western Australia. Aquatic Botany, 2007, 86, 83-85.	0.8	24
47	The role of sexual reproduction in the maintenance of established Zostera marina meadows. Journal of Ecology, 2020, 108, 945-957.	1.9	24
48	The influence of resource availability on flowering intensity in Zostera marina (L.). Journal of Experimental Marine Biology and Ecology, 2017, 490, 13-22.	0.7	23
49	Boat Propeller Scarring of Seagrass Beds in Lower Chesapeake Bay, USA: Patterns, Causes, Recovery, and Management. Estuaries and Coasts, 2017, 40, 1666-1676.	1.0	22
50	Decline and Restoration Ecology of Australian Seagrasses. , 2018, , 665-704.		22
51	Fish Species Distribution in Seagrass Habitats of Chesapeake Bay are Structured by Abiotic and Biotic Factors. Marine and Coastal Fisheries, 2013, 5, 114-124.	0.6	21
52	The bay scallop (Argopecten irradians) industry collapse in Virginia and its implications for the successful management of scallop-seagrass habitats. Marine Policy, 2017, 75, 116-124.	1.5	18
53	Epifaunal invertebrates as predators of juvenile bay scallops (Argopecten irradians). Journal of Experimental Marine Biology and Ecology, 2014, 454, 18-25.	0.7	14
54	Ecology of Seagrass Seeds and Seagrass Dispersal Processes. , 0, , 111-133.		14

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55	Land Use and Salinity Drive Changes in SAV Abundance and Community Composition. Estuaries and Coasts, 2018, 41, 85-100.	1.0	13
56	Defining the Zostera marina (Eelgrass) Niche from Long-Term Success of Restored and Naturally Colonized Meadows: Implications for Seagrass Restoration. Estuaries and Coasts, 2021, 44, 396-411.	1.0	11
57	Assessment of the Abundance of Submersed Aquatic Vegetation (SAV) Communities in the Chesapeake Bay and its Use in SAV Management. Lecture Notes in Geoinformation and Cartography, 2009, , 233-257.	0.5	11
58	A novel adaptation facilitates seed establishment under marine turbulent flows. Scientific Reports, 2019, 9, 19693.	1.6	10
59	Fish, crabs, shrimps and other large mobile epibenthos: measurement methods for their biomass and abundance in seagrass. , 2001, , 255-270.		9
60	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.	1.2	9
61	Seed Burial Alleviates Wave Energy Constraints on Zostera marina (Eelgrass) Seedling Establishment at Restoration-Relevant Scales. Estuaries and Coasts, 2021, 44, 352-366.	1.0	6
62	Predatorâ€“prey interactions in a restored eelgrass ecosystem: strategies for maximizing success of reintroduced bay scallops (Argopecten irradians). Restoration Ecology, 2016, 24, 558-565.	1.4	5
63	Long-term Annual Aerial Surveys of Submersed Aquatic Vegetation (SAV) Support Science, Management, and Restoration. Estuaries and Coasts, 2019, , 1.	1.0	5
64	Effect of climate change on regeneration of seagrasses from seeds. , 2022, , 275-283.		2
65	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951â€“2018). Estuaries and Coasts, 2021, 44, 304-311.	1.0	1
66	Seagrassesâ€”a Tribute to Dr. Susan Williams. Estuaries and Coasts, 2021, 44, 303-303.	1.0	0