Megan K La Peyre

List of Publications by Year
in descending order

64 papers	2,001 citations	236925 25 h-index	276875 41 g-index
69 all docs	69 docs citations	69 times ranked	1320 citing authors

#	Article	IF	Citations
1	Defining Aquatic Habitat Zones Across Northern Gulf of Mexico Estuarine Gradients Through Submerged Aquatic Vegetation Species Assemblage and Biomass Data. Estuaries and Coasts, 2022, 45, 148-167.	2.2	4
2	Long-term assessments are critical to determining persistence and shoreline protection from oyster reef nature-based coastal defenses. Ecological Engineering, 2022, 178, 106603.	3.6	4
3	Defining oyster resource zones across coastal Louisiana for restoration and aquaculture. Ocean and Coastal Management, 2022, 225, 106178.	4.4	11
4	Local Populations of Eastern Oyster from Louisiana Differ in <scp>Lowâ€Salinity</scp> Tolerance. North American Journal of Aquaculture, 2022, 84, 381-391.	1.4	6
5	Modeling structural mechanics of oyster reef self-organization including environmental constraints and community interactions. Ecological Modelling, 2021, 440, 109389.	2.5	10
6	OUP accepted manuscript. , 2021, 9, coab065.		7
7	Dynamic Energy Budget modelling to predict eastern oyster growth, reproduction, and mortality under river management and climate change scenarios. Estuarine, Coastal and Shelf Science, 2021, 251, 107188.	2.1	16
8	Largeâ€scale variation in wave attenuation of oyster reef living shorelines and the influence of inundation duration. Ecological Applications, 2021, 31, e02382.	3.8	36
9	Freshwater inflow and responses from estuaries across a climatic gradient: An assessment of northwestern Gulf of Mexico estuaries based on stable isotopes. Limnology and Oceanography, 2021, 66, 3568-3581.	3.1	4
10	Tolerance of northern Gulf of Mexico eastern oysters to chronic warming at extreme salinities. Journal of Thermal Biology, 2021, 100, 103072.	2.5	14
11	Ecological engineering with oysters enhances coastal resilience efforts. Ecological Engineering, 2021, 169, 106320.	3.6	14
12	Effects of sample gear on estuarine nekton assemblage assessments and food web model simulations. Ecological Indicators, 2021, 133, 108404.	6.3	0
13	Using reproductive potential to assess oyster population sustainability. Restoration Ecology, 2020, 28, 1621-1632.	2.9	6
14	Effects of inundation duration on southeastern Louisiana oyster reefs. Experimental Results, 2020, 1, .	0.6	2
15	Estuarine submerged aquatic vegetation habitat provides organic carbon storage across a shifting landscape. Science of the Total Environment, 2020, 717, 137217.	8.0	14
16	Oyster Reefs in Northern Gulf of Mexico Estuaries Harbor Diverse Fish and Decapod Crustacean Assemblages: A Meta-Synthesis. Frontiers in Marine Science, 2019, 6, .	2.5	22
17	Vulnerability of resource users in Louisiana’s oyster fishery to environmental hazards. Ecology and Society, 2019, 24, .	2.3	1
18	The application of oyster reefs in shoreline protection: Are we overâ€engineering for an ecosystem engineer?. Journal of Applied Ecology, 2019, 56, 1703-1711.	4.0	65

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19	Effects of salinity and light on growth and interspecific interactions between Myriophyllum spicatum L. and Ruppia maritima L.. Aquatic Botany, 2019, 155, 25-31.	1.6	9
20	Measuring carbon and nitrogen bioassimilation, burial, and denitrification contributions of oyster reefs in Gulf coast estuaries. Marine Biology, 2019, 166, 1.	1.5	12
21	Differential Effects of Temperature and Salinity on Growth and Mortality of Oysters (Crassostrea) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	6
22	Submerged aquatic vegetation mapping in coastal Louisiana through development of a spatial likelihood occurrence (SLOO) model. Aquatic Botany, 2018, 151, 87-97.	1.6	10
23	Corrigendum to â€œInteractive Effects of Water Temperature and Salinity on Growth and Mortality of Eastern Oysters, Crassostrea virginica: A Meta-Analysis Using 40 Years of Monitoring Dataâ€•[J. Shellfish Res. 2017;36(3):683â€“697]. Journal of Shellfish Research, 2018, 37, 1167.	0.9	1
24	A Modeling Study of the Impacts of Mississippi River Diversion and Sea-Level Rise on Water Quality of a Deltaic Estuary. Estuaries and Coasts, 2017, 40, 1028-1054.	2.2	22
25	Predicting the impacts of Mississippi River diversions and sea-level rise on spatial patterns of eastern oyster growth rate and production. Ecological Modelling, 2017, 352, 40-53.	2.5	21
26	Integrating the effects of salinity on the physiology of the eastern oyster, Crassostrea virginica, in the northern Gulf of Mexico through a Dynamic Energy Budget model. Ecological Modelling, 2017, 363, 221-233.	2.5	42
27	Interactive Effects of Water Temperature and Salinity on Growth and Mortality of Eastern Oysters,Crassostrea virginica: A Meta-Analysis Using 40 Years of Monitoring Data. Journal of Shellfish Research, 2017, 36, 683-697.	0.9	59
28	A Primer to Living Shorelines. , 2017, , 3-10.		5
29	Comparison of Oyster Populations, Shoreline Protection Service, and Site Characteristics atÂSeven Created Fringing Reefs in Louisiana. , 2017, , 363-382.		6
30	Suitability of Oyster Restoration Sites Along the Louisiana Coast: Examining Site and Stock Ã— Site Interaction. Journal of Shellfish Research, 2017, 36, 341-351.	0.9	11
31	Increased Temperatures Combined with Lowered Salinities Differentially Impact Oyster Size Class Growth and Mortality. Journal of Shellfish Research, 2016, 35, 101-113.	0.9	69
32	Analysis of Environmental Factors Influencing Salinity Patterns, Oyster Growth, and Mortality in Lower Breton Sound Estuary, Louisiana, Using 20 Years of Data. Journal of Coastal Research, 2016, 319, 519-530.	0.3	40
33	Population ecology of the gulf ribbed mussel across a salinity gradient: recruitment, growth and density. Ecosphere, 2015, 6, 1-13.	2.2	17
34	Guidelines for evaluating performance of oyster habitat restoration. Restoration Ecology, 2015, 23, 737-745.	2.9	125
35	Restoration of oyster reefs in an estuarine lake: population dynamics and shell accretion. Marine Ecology - Progress Series, 2015, 524, 171-184.	1.9	29
36	Oyster reef restoration supports increased nekton biomass and potential commercial fishery value. PeerJ, 2015, 3, e1111.	2.0	45

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37	Assessing shoreline exposure and oyster habitat suitability maximizes potential success for sustainable shoreline protection using restored oyster reefs. PeerJ, 2015, 3, e1317.	2.0	52
38	Effects of oyster harvest activities on Louisiana reef habitat and resident nekton communities. Fishery Bulletin, 2015, 113, 327-340.	0.2	11
39	Oyster Reef Restoration in the Northern Gulf of Mexico: Effect of Artificial Substrate and Age on Nekton and Benthic Macroinvertebrate Assemblage Use. Restoration Ecology, 2014, 22, 214-222.	2.9	39
40	Temporal variation in development of ecosystem services from oyster reef restoration. Ecological Engineering, 2014, 63, 34-44.	3.6	102
41	Oyster reef restoration in the northern Gulf of Mexico: Extent, methods and outcomes. Ocean and Coastal Management, 2014, 89, 20-28.	4.4	108
42	Differences in extreme low salinity timing and duration differentially affect eastern oyster (Crassostrea virginica) size class growth and mortality in Breton Sound, LA. Estuarine, Coastal and Shelf Science, 2013, 135, 146-157.	2.1	80
43	A Shell-Neutral Modeling Approach Yields Sustainable Oyster Harvest Estimates: A Retrospective Analysis of the Louisiana State Primary Seed Grounds. Journal of Shellfish Research, 2012, 31, 1103-1112.	0.9	31
44	Gauging state-level and user group views of oyster reef restoration activities in the northern Gulf of Mexico. Ocean and Coastal Management, 2012, 67, 1-8.	4.4	13
45	Measuring Changes in Consumer Resource Availability to Riverine Pulsing in Breton Sound, Louisiana, USA. PLoS ONE, 2012, 7, e37536.	2.5	7
46	Nekton density patterns and hurricane recovery in submerged aquatic vegetation, and along non-vegetated natural and created edge habitats. Estuarine, Coastal and Shelf Science, 2012, 98, 108-118.	2.1	14
47	The Effect of Structural Complexity, Prey Density, and â€œPredator-Free Spaceâ€•on Prey Survivorship at Created Oyster Reef Mesocosms. PLoS ONE, 2011, 6, e28339.	2.5	60
48	Testing the effect of habitat structure and complexity on nekton assemblages using experimental oyster reefs. Journal of Experimental Marine Biology and Ecology, 2011, 409, 172-179.	1.5	67
49	Nekton community response to a large-scale Mississippi River discharge: Examining spatial and temporal response to river management. Estuarine, Coastal and Shelf Science, 2011, 91, 379-387.	2.1	29
50	Evaluating Ecological Equivalence of Created Marshes: Comparing Structural Indicators with Stable Isotope Indicators of Blue Crab Trophic Support. Estuaries and Coasts, 2011, 34, 172-184.	2.2	16
51	The combined influence of sub-optimal temperature and salinity on the in vitro viability of Perkinsus marinus, a protistan parasite of the eastern oyster Crassostrea virginica. Journal of Invertebrate Pathology, 2010, 105, 176-181.	3.2	14
52	Relating large-scale climate variability to local species abundance: ENSO forcing and shrimp in Breton Sound, Louisiana, USA. Climate Research, 2010, 42, 195-207.	1.1	14
53	The effect of Hurricane Katrina on nekton communities in the tidal freshwater marshes of Breton Sound, Louisiana, USA. Estuarine, Coastal and Shelf Science, 2009, 83, 97-104.	2.1	25
54	Short- and Long-Term Response of Deteriorating Brackish Marshes and Open-Water Ponds to Sediment Enhancement by Thin-Layer Dredge Disposal. Estuaries and Coasts, 2009, 32, 390-402.	2.2	37

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55	Defining Optimal Freshwater Flow for Oyster Production: Effects of Freshet Rate and Magnitude of Change and Duration on Eastern Oysters and Perkinsus marinus Infection. Estuaries and Coasts, 2009, 32, 522-534.	2.2	77
56	Physical variation of non-vegetated marsh edge habitats, and use patterns by nekton in Barataria Bay, Louisiana, USA. Marine Ecology - Progress Series, 2008, 356, 51-61.	1.9	12
57	Restoration of the annual flood pulse in Breton Sound, Louisiana, USA: habitat change and nekton community response. Aquatic Biology, 2007, 1, 109-119.	1.4	25
58	Assessing functional equivalency of nekton habitat in enhanced habitats: Comparison of terraced and unterraced marsh ponds. Estuaries and Coasts, 2007, 30, 526-536.	2.2	27
59	Salinity effects on viability, metabolic activity and proliferation of three Perkinsus species. Diseases of Aquatic Organisms, 2006, 71, 59-74.	1.0	37
60	Nekton use of Ruppia maritima and non-vegetated bottom habitat types within brackish marsh ponds. Marine Ecology - Progress Series, 2006, 327, 61-69.	1.9	33
61	The Potential for Created Oyster Shell Reefs as a Sustainable Shoreline Protection Strategy in Louisiana. Restoration Ecology, 2005, 13, 499-506.	2.9	236
62	Comparison of Seed Bank Size and Composition in Fringing, Restored, and Impounded Marsh in Southwest Louisiana. Southeastern Naturalist, 2005, 4, 273-286.	0.4	12
63	Effects of salinity changes on growth of Ruppia maritima L.. Aquatic Botany, 2003, 77, 235-241.	1.6	18
64	Identifying Determinants of Nations' Wetland Management Programs Using Structural Equation Modeling: An Exploratory Analysis. Environmental Management, 2001, 27, 859-868.	2.7	20