

Megan K La Peyre

List of Publications by Year in descending order

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64
papers

2,001
citations

236925

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276875

41
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69
all docs

69
docs citations

69
times ranked

1320
citing authors

#	ARTICLE	IF	CITATIONS
1	The Potential for Created Oyster Shell Reefs as a Sustainable Shoreline Protection Strategy in Louisiana. <i>Restoration Ecology</i> , 2005, 13, 499-506.	2.9	236
2	Guidelines for evaluating performance of oyster habitat restoration. <i>Restoration Ecology</i> , 2015, 23, 737-745.	2.9	125
3	Oyster reef restoration in the northern Gulf of Mexico: Extent, methods and outcomes. <i>Ocean and Coastal Management</i> , 2014, 89, 20-28.	4.4	108
4	Temporal variation in development of ecosystem services from oyster reef restoration. <i>Ecological Engineering</i> , 2014, 63, 34-44.	3.6	102
5	Differences in extreme low salinity timing and duration differentially affect eastern oyster (<i>Crassostrea virginica</i>) size class growth and mortality in Breton Sound, LA. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 135, 146-157.	2.1	80
6	Defining Optimal Freshwater Flow for Oyster Production: Effects of Freshet Rate and Magnitude of Change and Duration on Eastern Oysters and <i>Perkinsus marinus</i> Infection. <i>Estuaries and Coasts</i> , 2009, 32, 522-534.	2.2	77
7	Increased Temperatures Combined with Lowered Salinities Differentially Impact Oyster Size Class Growth and Mortality. <i>Journal of Shellfish Research</i> , 2016, 35, 101-113.	0.9	69
8	Testing the effect of habitat structure and complexity on nekton assemblages using experimental oyster reefs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 409, 172-179.	1.5	67
9	The application of oyster reefs in shoreline protection: Are we over-engineering for an ecosystem engineer?. <i>Journal of Applied Ecology</i> , 2019, 56, 1703-1711.	4.0	65
10	The Effect of Structural Complexity, Prey Density, and "Predator-Free Space" on Prey Survivorship at Created Oyster Reef Mesocosms. <i>PLoS ONE</i> , 2011, 6, e28339.	2.5	60
11	Interactive Effects of Water Temperature and Salinity on Growth and Mortality of Eastern Oysters, <i>Crassostrea virginica</i> : A Meta-Analysis Using 40 Years of Monitoring Data. <i>Journal of Shellfish Research</i> , 2017, 36, 683-697.	0.9	59
12	Assessing shoreline exposure and oyster habitat suitability maximizes potential success for sustainable shoreline protection using restored oyster reefs. <i>PeerJ</i> , 2015, 3, e1317.	2.0	52
13	Oyster reef restoration supports increased nekton biomass and potential commercial fishery value. <i>PeerJ</i> , 2015, 3, e1111.	2.0	45
14	Integrating the effects of salinity on the physiology of the eastern oyster, <i>Crassostrea virginica</i> , in the northern Gulf of Mexico through a Dynamic Energy Budget model. <i>Ecological Modelling</i> , 2017, 363, 221-233.	2.5	42
15	Analysis of Environmental Factors Influencing Salinity Patterns, Oyster Growth, and Mortality in Lower Breton Sound Estuary, Louisiana, Using 20 Years of Data. <i>Journal of Coastal Research</i> , 2016, 319, 519-530.	0.3	40
16	Oyster Reef Restoration in the Northern Gulf of Mexico: Effect of Artificial Substrate and Age on Nekton and Benthic Macroinvertebrate Assemblage Use. <i>Restoration Ecology</i> , 2014, 22, 214-222.	2.9	39
17	Short- and Long-Term Response of Deteriorating Brackish Marshes and Open-Water Ponds to Sediment Enhancement by Thin-Layer Dredge Disposal. <i>Estuaries and Coasts</i> , 2009, 32, 390-402.	2.2	37
18	Salinity effects on viability, metabolic activity and proliferation of three <i>Perkinsus</i> species. <i>Diseases of Aquatic Organisms</i> , 2006, 71, 59-74.	1.0	37

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19	Large-scale variation in wave attenuation of oyster reef living shorelines and the influence of inundation duration. <i>Ecological Applications</i> , 2021, 31, e02382.	3.8	36
20	Nekton use of <i>Ruppia maritima</i> and non-vegetated bottom habitat types within brackish marsh ponds. <i>Marine Ecology - Progress Series</i> , 2006, 327, 61-69.	1.9	33
21	A Shell-Neutral Modeling Approach Yields Sustainable Oyster Harvest Estimates: A Retrospective Analysis of the Louisiana State Primary Seed Grounds. <i>Journal of Shellfish Research</i> , 2012, 31, 1103-1112.	0.9	31
22	Nekton community response to a large-scale Mississippi River discharge: Examining spatial and temporal response to river management. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 379-387.	2.1	29
23	Restoration of oyster reefs in an estuarine lake: population dynamics and shell accretion. <i>Marine Ecology - Progress Series</i> , 2015, 524, 171-184.	1.9	29
24	Assessing functional equivalency of nekton habitat in enhanced habitats: Comparison of terraced and unterraced marsh ponds. <i>Estuaries and Coasts</i> , 2007, 30, 526-536.	2.2	27
25	Restoration of the annual flood pulse in Breton Sound, Louisiana, USA: habitat change and nekton community response. <i>Aquatic Biology</i> , 2007, 1, 109-119.	1.4	25
26	The effect of Hurricane Katrina on nekton communities in the tidal freshwater marshes of Breton Sound, Louisiana, USA. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 97-104.	2.1	25
27	A Modeling Study of the Impacts of Mississippi River Diversion and Sea-Level Rise on Water Quality of a Deltaic Estuary. <i>Estuaries and Coasts</i> , 2017, 40, 1028-1054.	2.2	22
28	Oyster Reefs in Northern Gulf of Mexico Estuaries Harbor Diverse Fish and Decapod Crustacean Assemblages: A Meta-Synthesis. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	22
29	Predicting the impacts of Mississippi River diversions and sea-level rise on spatial patterns of eastern oyster growth rate and production. <i>Ecological Modelling</i> , 2017, 352, 40-53.	2.5	21
30	Identifying Determinants of Nations' Wetland Management Programs Using Structural Equation Modeling: An Exploratory Analysis. <i>Environmental Management</i> , 2001, 27, 859-868.	2.7	20
31	Effects of salinity changes on growth of <i>Ruppia maritima</i> L.. <i>Aquatic Botany</i> , 2003, 77, 235-241.	1.6	18
32	Population ecology of the gulf ribbed mussel across a salinity gradient: recruitment, growth and density. <i>Ecosphere</i> , 2015, 6, 1-13.	2.2	17
33	Evaluating Ecological Equivalence of Created Marshes: Comparing Structural Indicators with Stable Isotope Indicators of Blue Crab Trophic Support. <i>Estuaries and Coasts</i> , 2011, 34, 172-184.	2.2	16
34	Dynamic Energy Budget modelling to predict eastern oyster growth, reproduction, and mortality under river management and climate change scenarios. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 251, 107188.	2.1	16
35	The combined influence of sub-optimal temperature and salinity on the in vitro viability of <i>Perkinsus marinus</i> , a protistan parasite of the eastern oyster <i>Crassostrea virginica</i> . <i>Journal of Invertebrate Pathology</i> , 2010, 105, 176-181.	3.2	14
36	Nekton density patterns and hurricane recovery in submerged aquatic vegetation, and along non-vegetated natural and created edge habitats. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 98, 108-118.	2.1	14

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37	Estuarine submerged aquatic vegetation habitat provides organic carbon storage across a shifting landscape. <i>Science of the Total Environment</i> , 2020, 717, 137217.	8.0	14
38	Tolerance of northern Gulf of Mexico eastern oysters to chronic warming at extreme salinities. <i>Journal of Thermal Biology</i> , 2021, 100, 103072.	2.5	14
39	Ecological engineering with oysters enhances coastal resilience efforts. <i>Ecological Engineering</i> , 2021, 169, 106320.	3.6	14
40	Relating large-scale climate variability to local species abundance: ENSO forcing and shrimp in Breton Sound, Louisiana, USA. <i>Climate Research</i> , 2010, 42, 195-207.	1.1	14
41	Gauging state-level and user group views of oyster reef restoration activities in the northern Gulf of Mexico. <i>Ocean and Coastal Management</i> , 2012, 67, 1-8.	4.4	13
42	Comparison of Seed Bank Size and Composition in Fringing, Restored, and Impounded Marsh in Southwest Louisiana. <i>Southeastern Naturalist</i> , 2005, 4, 273-286.	0.4	12
43	Measuring carbon and nitrogen bioassimilation, burial, and denitrification contributions of oyster reefs in Gulf coast estuaries. <i>Marine Biology</i> , 2019, 166, 1.	1.5	12
44	Physical variation of non-vegetated marsh edge habitats, and use patterns by nekton in Barataria Bay, Louisiana, USA. <i>Marine Ecology - Progress Series</i> , 2008, 356, 51-61.	1.9	12
45	Suitability of Oyster Restoration Sites Along the Louisiana Coast: Examining Site and Stock ã— Site Interaction. <i>Journal of Shellfish Research</i> , 2017, 36, 341-351.	0.9	11
46	Effects of oyster harvest activities on Louisiana reef habitat and resident nekton communities. <i>Fishery Bulletin</i> , 2015, 113, 327-340.	0.2	11
47	Defining oyster resource zones across coastal Louisiana for restoration and aquaculture. <i>Ocean and Coastal Management</i> , 2022, 225, 106178.	4.4	11
48	Submerged aquatic vegetation mapping in coastal Louisiana through development of a spatial likelihood occurrence (SLOO) model. <i>Aquatic Botany</i> , 2018, 151, 87-97.	1.6	10
49	Modeling structural mechanics of oyster reef self-organization including environmental constraints and community interactions. <i>Ecological Modelling</i> , 2021, 440, 109389.	2.5	10
50	Effects of salinity and light on growth and interspecific interactions between <i>Myriophyllum spicatum</i> L. and <i>Ruppia maritima</i> L.. <i>Aquatic Botany</i> , 2019, 155, 25-31.	1.6	9
51	Measuring Changes in Consumer Resource Availability to Riverine Pulsing in Breton Sound, Louisiana, USA. <i>PLoS ONE</i> , 2012, 7, e37536.	2.5	7
52	OUP accepted manuscript. , 2021, 9, coab065.		7
53	Using reproductive potential to assess oyster population sustainability. <i>Restoration Ecology</i> , 2020, 28, 1621-1632.	2.9	6
54	Comparison of Oyster Populations, Shoreline Protection Service, and Site Characteristics at Seven Created Fringing Reefs in Louisiana. , 2017, , 363-382.		6

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55	Differential Effects of Temperature and Salinity on Growth and Mortality of Oysters (<i>Crassostrea</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	6
56	Local Populations of Eastern Oyster from Louisiana Differ in <sc>Low Salinity</sc> Tolerance. North American Journal of Aquaculture, 2022, 84, 381-391.	1.4	6
57	A Primer to Living Shorelines. , 2017, , 3-10.		5
58	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
59	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
60	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
61	Effects of inundation duration on southeastern Louisiana oyster reefs. Experimental Results, 2020, 1, .	0.6	2
62	Vulnerability of resource users in Louisiana's oyster fishery to environmental hazards. Ecology and Society, 2019, 24, .	2.3	1
63	Corrigendum to "Interactive Effects of Water Temperature and Salinity on Growth and Mortality of Eastern Oysters, <i>Crassostrea virginica</i> : A Meta-Analysis Using 40 Years of Monitoring Data" [J. Shellfish Res. 2017;36(3):683-697]. Journal of Shellfish Research, 2018, 37, 1167.	0.9	1
64	Effects of sample gear on estuarine nekton assemblage assessments and food web model simulations. Ecological Indicators, 2021, 133, 108404.	6.3	0