

# Patrick D Biber

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

553  
citations

566801

15  
h-index

676716

22  
g-index

40  
all docs

40  
docs citations

40  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coral communities of Biscayne Bay, Florida and adjacent offshore areas: diversity, abundance, distribution, and environmental correlates. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2003, 13, 121-135.	0.9	64
2	Modeling the dynamics of three functional groups of macroalgae in tropical seagrass habitats. <i>Ecological Modelling</i> , 2004, 175, 25-54.	1.2	38
3	Experimental analysis of the response and recovery of <i>Zostera marina</i> (L.) and <i>Halodule wrightii</i> (Ascher.) to repeated light-limitation stress. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 369, 110-117.	0.7	37
4	Temporal and spatial dynamics of macroalgal communities along an anthropogenic salinity gradient in Biscayne Bay (Florida, USA). <i>Aquatic Botany</i> , 2006, 85, 65-77.	0.8	34
5	Hydrodynamic transport of drifting macroalgae through a tidal cut. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 565-569.	0.9	32
6	Calibration of a Bio-optical Model in the North River, North Carolina (Albemarle/Pamlico Sound): A Tool to Evaluate Water Quality Impacts on Seagrasses. <i>Estuaries and Coasts</i> , 2008, 31, 177-191.	1.0	32
7	The use of marine aquaculture solid waste for nursery production of the salt marsh plants <i>Spartina alterniflora</i> and <i>Juncus roemerianus</i> . <i>Aquaculture Reports</i> , 2016, 3, 108-114.	0.7	30
8	Cost-effectiveness of two small-scale salt marsh restoration designs. <i>Ecological Engineering</i> , 2013, 53, 250-256.	1.6	27
9	The influence of freshwater runoff on biomass, morphometrics, and production of <i>Thalassia testudinum</i> . <i>Aquatic Botany</i> , 2002, 72, 67-78.	0.8	25
10	Historical changes in seagrass coverage on the Mississippi barrier islands, northern Gulf of Mexico, determined from vertical aerial imagery (1940-2007). <i>Geocarto International</i> , 2011, 26, 663-673.	1.7	25
11	Litter Decomposition of <i>Spartina alterniflora</i> and <i>Juncus roemerianus</i> : Implications of Climate Change in Salt Marshes. <i>Journal of Coastal Research</i> , 2017, 33, 372.	0.1	24
12	Rhizosphere Microbial Communities of <i>Spartina alterniflora</i> and <i>Juncus roemerianus</i> From Restored and Natural Tidal Marshes on Deer Island, Mississippi. <i>Frontiers in Microbiology</i> , 2018, 9, 3049.	1.5	20
13	Transport and persistence of drifting macroalgae (Rhodophyta) are strongly influenced by flow velocity and substratum complexity in tropical seagrass habitats. <i>Marine Ecology - Progress Series</i> , 2007, 343, 115-122.	0.9	20
14	Modeling photosynthesis of <i>Spartina alterniflora</i> (smooth cordgrass) impacted by the Deepwater Horizon oil spill using Bayesian inference. <i>Environmental Research Letters</i> , 2012, 7, 045302.	2.2	19
15	Seed Germination and Seedling Survival of <i>Spartina alterniflora</i> Loisel. <i>American Journal of Agricultural and Biological Science</i> , 2008, 3, 633-638.	0.9	19
16	Moisture content, temperature, and relative humidity influence seed storage and subsequent survival and germination of <i>Vallisneria americana</i> seeds. <i>Aquatic Botany</i> , 2015, 120, 297-303.	0.8	15
17	Thresholds of sea-level rise rate and sea-level rise acceleration rate in a vulnerable coastal wetland. <i>Ecology and Evolution</i> , 2017, 7, 10890-10903.	0.8	14
18	Sea-level rise thresholds for stability of salt marshes in a riverine versus a marine dominated estuary. <i>Science of the Total Environment</i> , 2020, 718, 137181.	3.9	11

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19	Autotrophic net productivity patterns at four artificial reef sites in the Mississippi Sound. <i>Hydrobiologia</i> , 2015, 749, 135-154.	1.0	9
20	Seagrasses in the Mississippi and Chandeleur Sounds and Problems Associated with Decadal-Scale Change Detection. <i>Gulf of Mexico Science</i> , 2014, 32, .	0.4	7
21	Habitat Characterization for Submerged and Floating-Leaved Aquatic Vegetation in Coastal River Deltas of Mississippi and Alabama. <i>Southeastern Geographer</i> , 2016, 56, 454-472.	0.1	6
22	Spatial and Temporal Patterns in <i>Thalassia testudinum</i> Leaf Tissue Nutrients at the Chandeleur Islands, Louisiana, USA. <i>Estuaries and Coasts</i> , 2017, 40, 1288-1300.	1.0	6
23	Assessing Vegetation, Nutrient Content and Soil Dynamics Along a Coastal Elevation Gradient in a Mississippi Estuary. <i>Estuaries and Coasts</i> , 2022, 45, 1217-1229.	1.0	6
24	Testa imposed dormancy in <i>Vallisneria americana</i> seeds from the Mississippi Gulf Coast. <i>Journal of the Torrey Botanical Society</i> , 2014, 141, 80-90.	0.1	5
25	Determining Salinity-Tolerance of Giant <i>Salvinia</i> Using Chlorophyll Fluorescence. <i>Gulf and Caribbean Research</i> , 0, 21, .	0.7	5
26	Seasonal and Annual Dynamics in Seagrass Beds of the Grand Bay National Estuarine Research Reserve, Mississippi. <i>Southeastern Geographer</i> , 2017, 57, 246-272.	0.1	4
27	Socio-ecological Mobility: A Research Strategy for a New Coastline. <i>Coastal Management</i> , 2019, 47, 611-620.	1.0	4
28	Hydroponic versus rooted growth of <i>Zostera marina</i> L. (Eelgrass). <i>Hydrobiologia</i> , 2006, 568, 489-492.	1.0	3
29	Leaf Wand for Measuring Chlorophyll Fluorescence on Cylindrical Leaves and Its Application on <i>Juncus roemerianus</i> (Black Needlerush). <i>American Journal of Plant Sciences</i> , 2012, 03, 75-83.	0.3	3
30	Using Aerial Imagery to Determine the Effects of Sea-Level Rise on Fluvial Marshes at the Mouth of the Pascagoula River (Mississippi, USA). <i>Journal of Coastal Research</i> , 2020, 37, .	0.1	3
31	Seed Propagation Protocol for Wigeongrass ( <i>Ruppia maritima</i> ) (Mississippi). <i>Ecological Restoration</i> , 2010, 28, 135-137.	0.6	2
32	Decadal-scale changes in seagrass coverage on the Mississippi barrier islands, northern Gulf of Mexico. <i>Nature Precedings</i> , 2009, , .	0.1	1
33	Inoculation and Colonization of Four Saltmarsh Species with Vesicular-Arbuscular Mycorrhizal Fungi (Mississippi). <i>Ecological Restoration</i> , 2009, 27, 387-389.	0.6	1
34	Nearshore Sediment Comparisons among Natural, Living, and Armored Shorelines in Mobile Bay, Alabama. <i>Southeastern Naturalist</i> , 2021, 20, .	0.2	1
35	Prolonged low salinity tolerance in <i>Halodule wrightii</i> Asch. <i>Aquatic Botany</i> , 2022, 178, 103498.	0.8	1
36	Shoalgrass in the Gulf of Mexico: A Mississippi Perspective. <i>Southeastern Geographer</i> , 2017, 57, 203-206.	0.1	0

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37	Introduction: Coastal Seagrass and Submerged Aquatic Vegetation Habitats in the Gulf of Mexico. Southeastern Geographer, 2017, 57, 208-211.	0.1	0
38	HYDROLOGIC RESPONSES OF A COASTAL MARSH ALONG A SALINITY GRADIENT: A CASE STUDY IN GRAND BAY NATIONAL ESTUARINE RESEARCH RESERVE, MISSISSIPPI. , 2016, , .		0
39	SEDIMENTARY, SEASONAL, AND STORM INFLUENCES ON SHALLOW GROUNDWATER HYDROLOGY IN COASTAL MARSHES IN GRAND BAY NATIONAL ESTUARINE RESEARCH RESERVE, MISSISSIPPI. , 2019, , .		0