

Michael C Murrell

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,572
citations

279798

23
h-index

434195

31
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33
all docs

33
docs citations

33
times ranked

2769
citing authors

#	ARTICLE	IF	CITATIONS
1	Acidification of subsurface coastal waters enhanced by eutrophication. <i>Nature Geoscience</i> , 2011, 4, 766-770.	12.9	928
2	Hypoxia in the northern Gulf of Mexico: Does the science support the Plan to Reduce, Mitigate, and Control Hypoxia?. <i>Estuaries and Coasts</i> , 2007, 30, 753-772.	2.2	382
3	Carbon dynamics and community production in the Mississippi River plume. <i>Limnology and Oceanography</i> , 2012, 57, 1-17.	3.1	94
4	Phytoplankton production and nutrient distributions in a subtropical estuary: Importance of freshwater flow. <i>Estuaries and Coasts</i> , 2007, 30, 390-402.	2.2	90
5	Interactions between freshwater input, light, and phytoplankton dynamics on the Louisiana continental shelf. <i>Continental Shelf Research</i> , 2009, 29, 1861-1872.	1.8	83
6	Meiofauna abundance on the Gulf of Mexico continental shelf affected by hypoxia. <i>Continental Shelf Research</i> , 1989, 9, 1049-1062.	1.8	81
7	Sediment and Lower Water Column Oxygen Consumption in the Seasonally Hypoxic Region of the Louisiana Continental Shelf. <i>Estuaries and Coasts</i> , 2011, 34, 912-924.	2.2	77
8	Sediment-water fluxes of dissolved inorganic carbon, O ₂ , nutrients, and N ₂ from the hypoxic region of the Louisiana continental shelf. <i>Biogeochemistry</i> , 2012, 109, 233-252.	3.5	73
9	The carbon dioxide system on the Mississippi River-dominated continental shelf in the northern Gulf of Mexico: 1. Distribution and air-sea CO ₂ flux. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1429-1445.	2.6	72
10	Seasonal and Inter-annual Patterns in Primary Production, Respiration, and Net Ecosystem Metabolism in Three Estuaries in the Northeast Gulf of Mexico. <i>Estuaries and Coasts</i> , 2014, 37, 222-241.	2.2	66
11	Effects of Hurricane Ivan on water quality in Pensacola Bay, Florida. <i>Estuaries and Coasts</i> , 2006, 29, 919-925.	2.2	65
12	Susceptibility of a northern Gulf of Mexico estuary to hypoxia: An analysis using box models. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 239-253.	2.1	62
13	Effect of nutrient loading on biogeochemical and microbial processes in a New England salt marsh. <i>Biogeochemistry</i> , 2007, 82, 251-264.	3.5	54
14	Numerical analysis of the primary processes controlling oxygen dynamics on the Louisiana shelf. <i>Biogeosciences</i> , 2015, 12, 2063-2076.	3.3	49
15	Plankton community respiration, net ecosystem metabolism, and oxygen dynamics on the Louisiana continental shelf: Implications for hypoxia. <i>Continental Shelf Research</i> , 2013, 52, 27-38.	1.8	46
16	Effects of irradiance on benthic and water column processes in a Gulf of Mexico estuary: Pensacola Bay, Florida, USA. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 81, 501-512.	2.1	45
17	Effects of model physics on hypoxia simulations for the northern Gulf of Mexico: A model intercomparison. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5731-5750.	2.6	37
18	Distribution, abundance and size composition of heterotrophic dinoflagellates and ciliates in the Sargasso Sea near Bermuda. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1996, 43, 1045-1065.	1.4	36

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19	Nutrient distributions, transports, and budgets on the inner margin of a river-dominated continental shelf. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4822-4838.	2.6	35
20	Seasonal Oxygen Dynamics in a Warm Temperate Estuary: Effects of Hydrologic Variability on Measurements of Primary Production, Respiration, and Net Metabolism. <i>Estuaries and Coasts</i> , 2018, 41, 690-707.	2.2	33
21	Carbon Dynamics on the Louisiana Continental Shelf and Cross-Shelf Feeding of Hypoxia. <i>Estuaries and Coasts</i> , 2015, 38, 703-721.	2.2	31
22	An analysis of diffuse light attenuation in the northern Gulf of Mexico hypoxic zone using the SeaWiFS satellite data record. <i>Remote Sensing of Environment</i> , 2011, 115, 3748-3757.	11.0	27
23	Improving estimates of ecosystem metabolism by reducing effects of tidal advection on dissolved oxygen time series. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 731-745.	2.0	24
24	Spatiotemporal chlorophyll- <i>a</i> dynamics on the Louisiana continental shelf derived from a dual satellite imagery algorithm. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7449-7462.	2.6	18
25	Constancy of the relation between floc size and density in San Francisco Bay. <i>Proceedings in Marine Science</i> , 2007, 8, 75-91.	0.1	17
26	Bio-optical water quality dynamics observed from MERIS in Pensacola Bay, Florida. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 173, 26-38.	2.1	12
27	Microphytobenthos production potential and contribution to bottom layer oxygen dynamics on the inner Louisiana continental shelf. <i>Bulletin of Marine Science</i> , 2014, 90, 765-780.	0.8	8
28	Modeling Spatiotemporal Patterns of Ecosystem Metabolism and Organic Carbon Dynamics Affecting Hypoxia on the Louisiana Continental Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015630.	2.6	7
29	A Historical Perspective on Eutrophication in the Pensacola Bay Estuary, FL, USA. , 2016, , 199-213.		6
30	Bioassessment of a Northwest Florida Estuary Using Benthic Macroinvertebrates. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 245-256.	2.9	6
31	A modeling study examining the impact of nutrient boundaries on primary production on the Louisiana continental shelf. <i>Ecological Modelling</i> , 2016, 328, 136-147.	2.5	5
32	Patterns in phytoplankton and benthic production on the shallow continental shelf in the northeastern Gulf of Mexico. <i>Continental Shelf Research</i> , 2019, 179, 105-114.	1.8	3