

Mark E Luther

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,112
citations

430874

18
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2362
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing risk of compound flooding from storm surge and rainfall for major US cities. <i>Nature Climate Change</i> , 2015, 5, 1093-1097.	18.8	500
2	Flow hydrodynamics in tidal marsh canopies. <i>Limnology and Oceanography</i> , 1995, 40, 1474-1484.	3.1	446
3	The seasonal circulation of the upper ocean in the Bay of Bengal. <i>Journal of Geophysical Research</i> , 1991, 96, 12667-12683.	3.3	197
4	The phytoplankton bloom in the northwestern Arabian Sea during the southwest monsoon of 1979. <i>Journal of Geophysical Research</i> , 1991, 96, 20623-20642.	3.3	141
5	The wind-driven seasonal circulation in the southern tropical Indian Ocean. <i>Journal of Geophysical Research</i> , 1989, 94, 17985-18002.	3.3	132
6	A model of the seasonal circulation in the Arabian Sea forced by observed winds. <i>Progress in Oceanography</i> , 1985, 14, 353-385.	3.2	101
7	Short-term variability of suspended sediment and phytoplankton in Tampa Bay, Florida: Observations from a coastal oceanographic tower and ocean color satellites. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 89, 62-72.	2.1	61
8	ENSO impacts on salinity in Tampa Bay, Florida. <i>Estuaries and Coasts</i> , 2002, 25, 976-984.	1.7	52
9	Determining the Effects of El Nino-Southern Oscillation Events on Coastal Water Quality. <i>Estuaries and Coasts</i> , 2001, 24, 491.	1.7	47
10	Variability in upwelling fields in the northwestern Indian Ocean 1. Model experiments for the past 18,000 years. <i>Paleoceanography</i> , 1990, 5, 433-445.	3.0	44
11	A Numerical Simulation of Residual Circulation in Tampa Bay. Part II: Lagrangian Residence Time. <i>Estuaries and Coasts</i> , 2008, 31, 815-827.	2.2	43
12	Variability in upwelling fields in the northwestern Indian Ocean 2. Data-model comparison at 9000 years B.P.. <i>Paleoceanography</i> , 1990, 5, 447-457.	3.0	34
13	Patterns of co-variability between physical and biological parameters in the Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999, 46, 1933-1964.	1.4	31
14	Lagrangian particle tracking of a toxic dinoflagellate bloom within the Tampa Bay estuary. <i>Marine Pollution Bulletin</i> , 2010, 60, 2233-2241.	5.0	29
15	Verification of a numerical ocean model of the Arabian Sea. <i>Journal of Geophysical Research</i> , 1988, 93, 15437-15453.	3.3	26
16	A numerical simulation of residual circulation in Tampa Bay. Part I: Low-frequency temporal variations. <i>Estuaries and Coasts</i> , 2007, 30, 679-697.	2.2	26
17	Chapter 27 Morphology of the Somali Current system during the southwest monsoon. <i>Elsevier Oceanography Series</i> , 1985, , 405-437.	0.1	23
18	Alteration of Residual Circulation Due to Large-Scale Infrastructure in a Coastal Plain Estuary. <i>Estuaries and Coasts</i> , 2014, 37, 493-507.	2.2	23

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19	Modelling the Variability in the Somali Current. Elsevier Oceanography Series, 1989, , 373-386.	0.1	18
20	Energetic baroclinic super-tidal oscillations on the southeast Florida shelf. Geophysical Research Letters, 2003, 30, .	4.0	16
21	Reduced Horizontal Sea Surface Temperature Gradients Under Conditions of Clear Skies and Weak Winds. Boundary-Layer Meteorology, 2005, 116, 175-185.	2.3	15
22	Modelling of wind wave-induced bottom processes during the slack water periods in Tampa Bay, Florida. International Journal for Numerical Methods in Fluids, 2006, 52, 1277-1292.	1.6	14
23	Southward flow on the western flank of the Florida Current. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 125, 94-105.	1.4	14
24	A coastal prediction system as an event response tool: Particle tracking simulation of an anhydrous ammonia spill in Tampa Bay. Marine Pollution Bulletin, 2009, 58, 1202-1209.	5.0	13
25	Using logistic regression to model the risk of sewer overflows triggered by compound flooding with application to sea level rise. Urban Climate, 2021, 35, 100752.	5.7	11
26	The impact of sea level rise on maritime navigation within a large, channelized estuary. Maritime Policy and Management, 2020, 47, 920-936.	3.8	10
27	Applying a Coupled Biophysical Model to Predict Larval Dispersal and Source/Sink Relationships in a Depleted Metapopulation of the Eastern Oyster <i>Crassostrea virginica</i> . Journal of Shellfish Research, 2017, 36, 101-118.	0.9	9
28	A principal component analysis of sea-surface temperature in the Arabian Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 1097-1114.	1.4	6
29	Climate Variability and Estuarine Water Resources: A Case Study from Tampa Bay, Florida. Coastal Management, 2004, 32, 101-116.	2.0	6
30	Changes in Residence Time due to Large-Scale Infrastructure in a Coastal Plain Estuary. Journal of Coastal Research, 2017, 33, 815-828.	0.3	6
31	Coastal observatory investigates energetic current oscillations on southeast Florida Shelf. Eos, 2003, 84, 441.	0.1	5
32	Observations of hysteresis in the annual exchange circulation of a large microtidal estuary. Journal of Geophysical Research: Oceans, 2015, 120, 2904-2919.	2.6	4
33	Characterizing Vessel Traffic Using the AIS: A Case Study in Florida's Largest Estuary. Journal of Waterway, Port, Coastal and Ocean Engineering, 2020, 146, .	1.2	4
34	Real-Time Oceanographic Data: From Safety to Science. Eos, 2014, 95, 305-306.	0.1	2
35	Ship wakes and their potential shoreline impact in Tampa Bay. Ocean and Coastal Management, 2021, 211, 105749.	4.4	2
36	Real Time Observations of Oceanographic and Meteorological Parameters for Maritime Transportation: Origins and Novel Applications. , 2018, , .		1

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37	A Coastal Ocean Prediction System for Tampa Bay, Florida. , 2007, , .		0