

Mark E Luther

List of Publications by Year in descending order

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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	Using logistic regression to model the risk of sewer overflows triggered by compound flooding with application to sea level rise. <i>Urban Climate</i> , 2021, 35, 100752.	5.7	11
2	Ship wakes and their potential shoreline impact in Tampa Bay. <i>Ocean and Coastal Management</i> , 2021, 211, 105749.	4.4	2
3	Characterizing Vessel Traffic Using the AIS: A Case Study in Florida's Largest Estuary. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020, 146, .	1.2	4
4	The impact of sea level rise on maritime navigation within a large, channelized estuary. <i>Maritime Policy and Management</i> , 2020, 47, 920-936.	3.8	10
5	Real Time Observations of Oceanographic and Meteorological Parameters for Maritime Transportation: Origins and Novel Applications. , 2018, , .		1
6	Changes in Residence Time due to Large-Scale Infrastructure in a Coastal Plain Estuary. <i>Journal of Coastal Research</i> , 2017, 33, 815-828.	0.3	6
7	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> . <i>Journal of Shellfish Research</i> , 2017, 36, 101-118.	0.9	9
8	Southward flow on the western flank of the Florida Current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 125, 94-105.	1.4	14
9	Observations of hysteresis in the annual exchange circulation of a large microtidal estuary. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2904-2919.	2.6	4
10	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
11	Real-Time Oceanographic Data: From Safety to Science. <i>Eos</i> , 2014, 95, 305-306.	0.1	2
12	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
13	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
14	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
15	A coastal prediction system as an event response tool: Particle tracking simulation of an anhydrous ammonia spill in Tampa Bay. <i>Marine Pollution Bulletin</i> , 2009, 58, 1202-1209.	5.0	13
16	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
17	A Coastal Ocean Prediction System for Tampa Bay, Florida. , 2007, , .		0
18	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

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19	Modelling of wind wave-induced bottom processes during the slack water periods in Tampa Bay, Florida. <i>International Journal for Numerical Methods in Fluids</i> , 2006, 52, 1277-1292.	1.6	14
20	Reduced Horizontal Sea Surface Temperature Gradients Under Conditions of Clear Skies and Weak Winds. <i>Boundary-Layer Meteorology</i> , 2005, 116, 175-185.	2.3	15
21	Climate Variability and Estuarine Water Resources: A Case Study from Tampa Bay, Florida. <i>Coastal Management</i> , 2004, 32, 101-116.	2.0	6
22	Energetic baroclinic super-tidal oscillations on the southeast Florida shelf. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	16
23	Coastal observatory investigates energetic current oscillations on southeast Florida Shelf. <i>Eos</i> , 2003, 84, 441.	0.1	5
24	ENSO impacts on salinity in Tampa Bay, Florida. <i>Estuaries and Coasts</i> , 2002, 25, 976-984.	1.7	52
25	A principal component analysis of sea-surface temperature in the Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 1097-1114.	1.4	6
26	Determining the Effects of El Nino-Southern Oscillation Events on Coastal Water Quality. <i>Estuaries and Coasts</i> , 2001, 24, 491.	1.7	47
27	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
28	Flow hydrodynamics in tidal marsh canopies. <i>Limnology and Oceanography</i> , 1995, 40, 1474-1484.	3.1	446
29	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
30	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
31	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
32	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
33	The wind-driven seasonal circulation in the southern tropical Indian Ocean. <i>Journal of Geophysical Research</i> , 1989, 94, 17985-18002.	3.3	132
34	Modelling the Variability in the Somali Current. <i>Elsevier Oceanography Series</i> , 1989, , 373-386.	0.1	18
35	Verification of a numerical ocean model of the Arabian Sea. <i>Journal of Geophysical Research</i> , 1988, 93, 15437-15453.	3.3	26
36	Chapter 27 Morphology of the Somali Current system during the southwest monsoon. <i>Elsevier Oceanography Series</i> , 1985, , 405-437.	0.1	23

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37	A model of the seasonal circulation in the Arabian Sea forced by observed winds. Progress in Oceanography, 1985, 14, 353-385.	3.2	101