

Steven D Meyers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7943701/publications.pdf>

Version: 2024-02-01

45
papers

1,564
citations

394421

19
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

1727
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	A Scopus-based bibliometric study of maritime research involving the Automatic Identification System. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 10, 100387.	2.7	7
3	Ship wakes and their potential shoreline impact in Tampa Bay. <i>Ocean and Coastal Management</i> , 2021, 211, 105749.	4.4	2
4	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
5	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
6	Real Time Observations of Oceanographic and Meteorological Parameters for Maritime Transportation: Origins and Novel Applications. , 2018, , .		1
7	Wakes from Large Vessels and the Risk to the Shoreline Environment in Tampa Bay. , 2018, , .		0
8	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
9	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
10	The Impact of a Barrier Island Loss on Extreme Events in the Tampa Bay. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	5
11	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
12	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
13	Real-Time Oceanographic Data: From Safety to Science. <i>Eos</i> , 2014, 95, 305-306.	0.1	2
14	Synoptic volumetric variations and flushing of the Tampa Bay estuary. <i>Climate Dynamics</i> , 2014, 42, 1587-1594.	3.8	6
15	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
16	Disparity between planktonic fish egg and larval communities as indicated by DNA barcoding. <i>Marine Ecology - Progress Series</i> , 2014, 503, 195-204.	1.9	23
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	A Coastal Ocean Prediction System for Tampa Bay, Florida. , 2007, , .		0
21	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
22	Distributed Enviromental Sensor Network: Design and Experiments. , 2006, , .		5
23	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
24	ENSO and eddies on the southwest coast of Mexico. <i>Geophysical Research Letters</i> , 2001, 28, 13-16.	4.0	48
25	Observations of currents on the West Florida Shelf Break. <i>Geophysical Research Letters</i> , 2001, 28, 2037-2040.	4.0	19
26	Application of the fokker-planck equation to data assimilation into hydrodynamical models. <i>Journal of Mathematical Sciences</i> , 2000, 99, 1393-1402.	0.4	12
27	Annual and interannual sea level variations in the Indian Ocean from TOPEX/Poseidon observations and ocean model simulations. <i>Journal of Geophysical Research</i> , 2000, 105, 975-994.	3.3	27
28	Eddies in the eastern Gulf of Alaska from TOPEX/POSEIDON altimetry. <i>Journal of Geophysical Research</i> , 1999, 104, 13333-13343.	3.3	25
29	Multi- and Quasi-Decadal Variations of Sea Surface Temperature in the North Atlantic. <i>Journal of Physical Oceanography</i> , 1999, 29, 3133-3144.	1.7	13
30	Reconstruction of Monthly SST in the Tropical Pacific Ocean during 1868â€“1993 Using Adaptive Climate Basis Functions. <i>Monthly Weather Review</i> , 1999, 127, 1599-1612.	1.4	46
31	ENSO Effects on Gulf of Alaska Eddies. <i>Earth Interactions</i> , 1999, 3, 1-30.	1.5	52
32	Acoustic thermometry data compared with two ocean models: the importance of Rossby waves and ENSO in modifying the ocean interior. <i>Dynamics of Atmospheres and Oceans</i> , 1998, 26, 209-240.	1.8	18
33	Detection of the fast Kelvin wave teleconnection due to El NiÃ±o-Southern Oscillation. <i>Journal of Geophysical Research</i> , 1998, 103, 27655-27663.	3.3	47
34	Interdecadal Variability in a Numerical Model of the Northeast Pacific Ocean: 1970â€“89. <i>Journal of Physical Oceanography</i> , 1996, 26, 2635-2652.	1.7	23
35	On a generating mechanism for Yanai waves and the 25-day oscillation. <i>Journal of Geophysical Research</i> , 1995, 100, 10589.	3.3	15
36	Pacific Ocean influences atmospheric carbon dioxide. <i>Eos</i> , 1995, 76, 533-533.	0.1	16

#	ARTICLE	IF	CITATIONS
37	Fractal trajectories in a numerical model of the upper Indian Ocean. <i>Nonlinear Processes in Geophysics</i> , 1994, 1, 45-50.	1.3	7
38	Spatial and temporal 26-day SST variations in the equatorial Indian Ocean using wavelet analysis. <i>Geophysical Research Letters</i> , 1994, 21, 777-780.	4.0	21
39	Cross-Frontal Mixing in a Meandering Jet. <i>Journal of Physical Oceanography</i> , 1994, 24, 1641-1646.	1.7	25
40	The Sensitivity to Parametric Variation in Direct Minimization Techniques. <i>Monthly Weather Review</i> , 1994, 122, 1632-1639.	1.4	10
41	Chaos and mixing in a geostrophic flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991, 3, 1243-1249.	1.6	65
42	Models of the Great Red Spot. <i>Nature</i> , 1990, 343, 517-518.	27.8	19
43	Laboratory study of the dynamics of Jovian-type vortices. <i>Physica D: Nonlinear Phenomena</i> , 1989, 37, 515-530.	2.8	28
44	Laboratory model of a planetary eastward jet. <i>Nature</i> , 1989, 337, 58-61.	27.8	116
45	Laboratory simulation of Jupiter's Great Red Spot. <i>Nature</i> , 1988, 331, 689-693.	27.8	169