

Maitane Olabarrieta

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,801
citations

257450

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276875

41
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docs citations

43
times ranked

1939
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the Influence of Oyster Reef Chains on Freshwater Detention at the Estuary Scale Using Landsat-8 Imagery. <i>Estuaries and Coasts</i> , 2022, 45, 1-16.	2.2	4
2	Modeling the Morphodynamics of Coastal Responses to Extreme Events: What Shape Are We In?. <i>Annual Review of Marine Science</i> , 2022, 14, 457-492.	11.6	38
3	Modeling of Barrier Breaching During Hurricanes Sandy and Matthew. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	4
4	Effect of Mississippi River discharge and local hydrological variables on salinity of nearby estuaries using a machine learning algorithm. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 263, 107628.	2.1	5
5	Compound flooding in Houston-Galveston Bay during Hurricane Harvey. <i>Science of the Total Environment</i> , 2020, 747, 141272.	8.0	53
6	Sea-level rise and the emergence of a keystone grazer alter the geomorphic evolution and ecology of southeast US salt marshes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17891-17902.	7.1	45
7	Coastal morphodynamic responses of a mixed-energy and fine-sediment coast to different sea level rise trends. <i>Coastal Engineering</i> , 2020, 161, 103767.	4.0	1
8	Tropical cyclone rainbands can trigger meteotsunamis. <i>Nature Communications</i> , 2020, 11, 678.	12.8	29
9	Relevance of wind stress and wave-dependent ocean surface roughness on the generation of winter meteotsunamis in the Northern Gulf of Mexico. <i>Ocean Modelling</i> , 2019, 140, 101408.	2.4	14
10	Wave-Current Interaction between Hurricane Matthew Wave Fields and the Gulf Stream. <i>Journal of Physical Oceanography</i> , 2019, 49, 2883-2900.	1.7	32
11	Infragravity waves: From driving mechanisms to impacts. <i>Earth-Science Reviews</i> , 2018, 177, 774-799.	9.1	165
12	Hydrodynamics and Sediment Mobility Processes Over a Degraded Senile Coral Reef. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7053-7066.	2.6	4
13	Effects of Density-Driven Flows on the Long-Term Morphodynamic Evolution of Funnel-Shaped Estuaries. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2901-2924.	2.8	33
14	Morphodynamic responses of Caofeidian channel-shoal system to sequential large-scale land reclamation. <i>Continental Shelf Research</i> , 2018, 165, 12-25.	1.8	25
15	Is "Morphodynamic Equilibrium" an oxymoron?. <i>Earth-Science Reviews</i> , 2017, 165, 257-267.	9.1	112
16	Meteotsunamis in the northeastern Gulf of Mexico and their possible link to El Niño Southern Oscillation. <i>Natural Hazards</i> , 2017, 88, 1325-1346.	3.4	31
17	Beach Morphodynamics influenced by an ebb-tidal delta on the north Florida Atlantic coast. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 936-950.	2.5	10
18	Storm-induced semidiurnal perturbations to surges on the US Eastern Seaboard. <i>Continental Shelf Research</i> , 2016, 114, 54-71.	1.8	18

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19	Observations and modeling of a tidal inlet dye tracer plume. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7819-7844.	2.6	29
20	Relevance of infragravity waves in a wave-dominated inlet. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5418-5435.	2.6	28
21	Freshwater Detention by Oyster Reefs: Quantifying a Keystone Ecosystem Service. <i>PLoS ONE</i> , 2016, 11, e0167694.	2.5	24
22	Observed and modeled drifters at a tidal inlet. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4825-4844.	2.6	24
23	Tsunami Resonance in Palma Bay and Harbor, Majorca Island, as Induced by the 2003 Western Mediterranean Earthquake. <i>Journal of Geology</i> , 2014, 122, 165-182.	1.4	17
24	The role of morphology and wave-current interaction at tidal inlets: An idealized modeling analysis. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8818-8837.	2.6	59
25	A comparative study of physical and numerical modeling of tidal network ontogeny. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 892-912.	2.8	51
26	A HIGH RESOLUTION OPERATIONAL OIL SPILL MODEL AT SANTANDER BAY (SPAIN): IMPLEMENTATION AND VALIDATION. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 516-530.	0.1	4
27	Morphodynamics of tidal networks: Advances and challenges. <i>Marine Geology</i> , 2013, 346, 1-16.	2.1	133
28	Semidiurnal perturbations to the surge of Hurricane Sandy. <i>Geophysical Research Letters</i> , 2013, 40, 2211-2217.	4.0	18
29	The BIC-95 Submarine Landslide-Generated Tsunami: A Numerical Simulation. <i>Journal of Geology</i> , 2012, 120, 31-48.	1.4	27
30	Ocean-atmosphere dynamics during Hurricane Ida and Nor-Ida: An application of the coupled ocean-atmosphere-wave-sediment transport (COAWST) modeling system. <i>Ocean Modelling</i> , 2012, 43-44, 112-137.	2.4	125
31	Implementation of the vortex force formalism in the coupled ocean-atmosphere-wave-sediment transport (COAWST) modeling system for inner shelf and surf zone applications. <i>Ocean Modelling</i> , 2012, 47, 65-95.	2.4	212
32	Tsunami Response in Semienclosed Tidal Basins Using an Aggregated Model. <i>Journal of Hydraulic Engineering</i> , 2012, 138, 744-751.	1.5	0
33	Wave-current interaction in Willapa Bay. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	140
34	C3: A finite volume-finite difference hybrid model for tsunami propagation and runup. <i>Computers and Geosciences</i> , 2011, 37, 1003-1014.	4.2	19
35	Scenarios for earthquake-generated tsunamis on a complex tectonic area of diffuse deformation and low velocity: The Alboran Sea, Western Mediterranean. <i>Marine Geology</i> , 2011, 284, 55-73.	2.1	26
36	Effects of wave-current interaction on the current profile. <i>Coastal Engineering</i> , 2010, 57, 643-655.	4.0	83

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37	Impact of a 1755-like tsunami in Huelva, Spain. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 139-148.	3.6	36
38	The unperceived risk to Europe's coasts: tsunamis and the vulnerability of Cadiz, Spain. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 2659-2675.	3.6	26
39	A Nearshore Wave and Current Operational Forecasting System. <i>Journal of Coastal Research</i> , 2010, 263, 503-509.	0.3	19
40	An Alert System for Beach Hazard Management in the Balearic Islands. <i>Coastal Management</i> , 2009, 37, 569-584.	2.0	11
41	External forcing of meteorological tsunamis at the coast of the Balearic Islands. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 938-947.	2.9	36
42	Mediterranean Overflow Water (MOW) simulation using a coupled multiple- σ -grid Mediterranean Sea/North Atlantic Ocean model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27