

Mauricio Gonzalez

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,631
citations

257101

24
h-index

329751

37
g-index

79
all docs

79
docs citations

79
times ranked

1628
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical and pre-historical tsunamis in the Mediterranean and its connected seas: Geological signatures, generation mechanisms and coastal impacts. <i>Marine Geology</i> , 2014, 354, 81-109.	0.9	128
2	Application of remote sensing video systems to coastline management problems. <i>Coastal Engineering</i> , 2007, 54, 493-505.	1.7	110
3	On the application of static equilibrium bay formulations to natural and man-made beaches. <i>Coastal Engineering</i> , 2001, 43, 209-225.	1.7	99
4	An integrated coastal modeling system for analyzing beach processes and beach restoration projects, SMC. <i>Computers and Geosciences</i> , 2007, 33, 916-931.	2.0	83
5	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	65
6	An equilibrium model to predict shoreline rotation of pocket beaches. <i>Marine Geology</i> , 2013, 346, 220-232.	0.9	61
7	Natural variability of shoreline position: Observations at three pocket beaches. <i>Marine Geology</i> , 2013, 338, 76-89.	0.9	50
8	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	50
9	The role of video imagery in predicting daily to monthly coastal evolution. <i>Coastal Engineering</i> , 2007, 54, 539-553.	1.7	47
10	Coastline sand waves on a low-energy beach at "El Puntal" spit, Spain. <i>Marine Geology</i> , 2008, 250, 143-156.	0.9	45
11	On the design of beach nourishment projects using static equilibrium concepts: Application to the Spanish coast. <i>Coastal Engineering</i> , 2010, 57, 227-240.	1.7	44
12	MEPBAY and SMC: Software tools to support different operational levels of headland-bay beach in coastal engineering projects. <i>Coastal Engineering</i> , 2010, 57, 213-226.	1.7	40
13	Beach morphodynamics forcements in oiled shorelines: Coupled physical and chemical processes during and after fuel burial. <i>Marine Pollution Bulletin</i> , 2006, 52, 1156-1168.	2.3	38
14	Impact of a 1755-like tsunami in Huelva, Spain. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 139-148.	1.5	36
15	Approaches for tsunami risk assessment and application to the city of Cádiz, Spain. <i>Natural Hazards</i> , 2012, 60, 273-293.	1.6	36
16	Tsunami hazard at the Western Mediterranean Spanish coast from seismic sources. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 227-240.	1.5	36
17	Equilibrium beach profile model for perched beaches. <i>Coastal Engineering</i> , 1999, 36, 343-357.	1.7	34
18	Tsunami evacuation modelling as a tool for risk reduction: application to the coastal area of El Salvador. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 3249-3270.	1.5	33

#	ARTICLE	IF	CITATIONS
19	Stability of rubble-mound breakwaters under tsunami first impact and overflow based on laboratory experiments. Coastal Engineering, 2018, 135, 39-54.	1.7	32
20	A shoreline evolution model considering the temporal variability of the beach profile sediment volume (sediment gain / loss). Coastal Engineering, 2020, 156, 103612.	1.7	31
21	An algorithm for the measurement of shoreline and intertidal beach profiles using video imagery: PSDM. Computers and Geosciences, 2012, 46, 196-207.	2.0	29
22	Shoreline evolution model from a dynamic equilibrium beach profile. Coastal Engineering, 2015, 99, 1-14.	1.7	28
23	The BIG™95 Submarine Landslide-Generated Tsunami: A Numerical Simulation. Journal of Geology, 2012, 120, 31-48.	0.7	27
24	Integrated tsunami vulnerability and risk assessment: application to the coastal area of El Salvador. Natural Hazards and Earth System Sciences, 2014, 14, 1223-1244.	1.5	27
25	The unperceived risk to Europe's coasts: tsunamis and the vulnerability of Cadiz, Spain. Natural Hazards and Earth System Sciences, 2010, 10, 2659-2675.	1.5	26
26	Scenarios for earthquake-generated tsunamis on a complex tectonic area of diffuse deformation and low velocity: The Alboran Sea, Western Mediterranean. Marine Geology, 2011, 284, 55-73.	0.9	26
27	Tsunami hazard assessment in El Salvador, Central America, from seismic sources through flooding numerical models.. Natural Hazards and Earth System Sciences, 2013, 13, 2927-2939.	1.5	22
28	Tsunamigenic potential of outer-rise normal faults at the Middle America trench in Central America. Tectonophysics, 2012, 574-575, 133-143.	0.9	20
29	C3: A finite volume-finite difference hybrid model for tsunami propagation and runup. Computers and Geosciences, 2011, 37, 1003-1014.	2.0	19
30	Infragravity swash parameterization on beaches: The role of the profile shape and the morphodynamic beach state. Coastal Engineering, 2018, 136, 41-55.	1.7	19
31	Tsunami Resonance in Palma Bay and Harbor, Majorca Island, as Induced by the 2003 Western Mediterranean Earthquake. Journal of Geology, 2014, 122, 165-182.	0.7	17
32	Coastline sand waves on a low-energy beach at El Puntal spit, Spain: Linear stability analysis. Journal of Geophysical Research, 2009, 114, .	3.3	16
33	Effect of selection and sequencing of representative wave conditions on process-based predictions of equilibrium embayed beach morphology. Ocean Dynamics, 2014, 64, 863-877.	0.9	16
34	Spatial and Numerical Methodologies on Coastal Erosion and Flooding Risk Assessment. Coastal Research Library, 2013, , 423-442.	0.2	14
35	Storm surge risk perception and resilience: A pilot study in the German North Sea coast. Ocean and Coastal Management, 2015, 112, 44-60.	2.0	14
36	Pressures on a rubble-mound breakwater crown-wall for tsunami impact. Coastal Engineering, 2019, 152, 103522.	1.7	14

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37	Influence of Beach Morphodynamics in the Deep Burial of Fuel in Beaches. Journal of Coastal Research, 2009, 254, 799-818.	0.1	13
38	On the relation between the direction of the wave energy flux and the orientation of equilibrium beaches. Coastal Engineering, 2017, 127, 20-36.	1.7	13
39	Dynamic equilibrium planform of embayed beaches: Part 1. A new model and its verification. Coastal Engineering, 2018, 135, 112-122.	1.7	13
40	From tsunami risk assessment to disaster risk reduction – the case of Oman. Natural Hazards and Earth System Sciences, 2018, 18, 2241-2260.	1.5	13
41	An equilibrium-based shoreline rotation model. Coastal Engineering, 2021, 163, 103789.	1.7	12
42	A contribution to the selection of tsunami human vulnerability indicators: conclusions from tsunami impacts in Sri Lanka and Thailand (2004), Samoa (2009), Chile (2010) and Japan (2011). Natural Hazards and Earth System Sciences, 2015, 15, 1493-1514.	1.5	11
43	Morphodynamic evolution of Laida beach (Oka estuary, Urdaibai Biosphere Reserve, southeastern Bay) Tj ETQq1 1 0.784314 rgBT /Over 85-95.	0.6	11
44	Performance assessment of the database downscaled ocean waves (DOW) on Santa Catarina coast, South Brazil. Anais Da Academia Brasileira De Ciencias, 2015, 87, 623-634.	0.3	9
45	Estimating Flooding Level Through the Brazilian Coast Using Reanalysis Data. Journal of Coastal Research, 2016, 75, 1092-1096.	0.1	9
46	Dynamic equilibrium planform of embayed beaches: Part 2. Design procedure and engineering applications. Coastal Engineering, 2018, 135, 123-137.	1.7	9
47	On the influence of wave directional spreading on the equilibrium planform of embayed beaches. Coastal Engineering, 2018, 133, 59-75.	1.7	8
48	A process based shape equation for a static equilibrium beach planform. Coastal Engineering, 2018, 136, 119-129.	1.7	8
49	Development of a medium–long term beach evolution model. Coastal Engineering, 2008, 55, 1074-1088.	1.7	7
50	Morphodynamic Evolution of Dredged Sandpits. Journal of Coastal Research, 2010, 263, 485-502.	0.1	6
51	Tsunami hazard assessment in the southern Colombian Pacific basin and a proposal to regenerate a previous barrier island as protection. Natural Hazards and Earth System Sciences, 2014, 14, 1155-1168.	1.5	6
52	Wave reflection and saturation on natural beaches: The role of the morphodynamic beach state in incident swash. Coastal Engineering, 2019, 153, 103540.	1.7	6
53	Relationship between Beach Morphodynamics and Equilibrium Profiles. , 2001, , 2589.		5
54	A shoreline evolution model for embayed beaches based on cross-shore, planform and rotation equilibrium models. Coastal Engineering, 2021, 169, 103983.	1.7	5

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55	Equilibrium planform of pocket beaches behind breakwater gaps: On the location of the intersection point. Coastal Engineering, 2022, 173, 104096.	1.7	5
56	Tsunami run-up estimation based on a hybrid numerical flume and a parameterization of real topobathymetric profiles. Natural Hazards and Earth System Sciences, 2018, 18, 1469-1491.	1.5	4
57	Time-Varying Beach Memory Applied to Cross-Shore Shoreline Evolution Modelling. Journal of Coastal Research, 2018, 345, 1256-1269.	0.1	4
58	Subpixel Satellite-Derived Shorelines as Valuable Data for Equilibrium Shoreline Evolution Models. Journal of Coastal Research, 2020, 36, .	0.1	4
59	Shoreline relaxation at pocket beaches. Ocean Dynamics, 2015, 65, 1221-1234.	0.9	3
60	A METHODOLOGY TO STUDY BEACH MORPHODYNAMICS BASED ON SELF-ORGANIZING MAPS AND DIGITAL IMAGES. , 2011, , .		3
61	Equilibrium planform of pocket beaches behind breakwater gaps: On the shape of the equilibrium shoreline.. Coastal Engineering, 2022, 174, 104112.	1.7	3
62	THE NEW COASTAL MODELLING SYSTEM SMC-BRAZIL AND ITS APPLICATION TO THE EROSIONAL PROBLEM IN THE MASSAGUAÁ¸U BEACH (SAO PAULO, BRAZIL). Coastal Engineering Proceedings, 2015, 1, 49.	0.1	2
63	BEACH MEMORY. Coastal Engineering Proceedings, 2012, 1, 49.	0.1	2
64	Equilibrium Beach Profile for Refraction-Diffraction Areas. , 2006, , 1.		1
65	TSUNAMI RUN UP IN COASTAL AREAS: A METHODOLOGY TO CALCULATE RUN UP IN LARGE SCALE AREAS. Coastal Engineering Proceedings, 2015, 1, 7.	0.1	1
66	Impact du port sur la plage de GijÃ¸n. Revue EuropÃ¸enne De GÃ¸nie Civil, 2003, 7, 1117-1137.	0.0	0
67	HARBOUR SHORT WAVE AGITATION AND RESONANCE BASED ON MODIFIED BOUSSINESQ EQUATIONS. , 2005, , .		0
68	Longshore Transport on the Maresme Coast (Barcelona). , 2006, , 1.		0
69	Morphodynamic Evolution Analysis of Beaches Adjacent to L' Hospitalet Marina after Nourishment Project. , 2006, , 1.		0
70	A Middle-Term Evolution Model for Beaches. , 2007, , .		0
71	A NEW METHODOLOGY FOR THE DESIGN OF STATIC EQUILIBRIUM BEACHES AND THE APPLICATION IN NOURISHMENT PROJECTS. , 2003, , .		0
72	Tsunami Evacuation Planning: Application to an Extreme Event in the Western Mediterranean Sea. Advances in Science, Technology and Innovation, 2018, , 1921-1922.	0.2	0