Rachid Omira

List of Publications by Year
in descending order

49	1,106	471061	433756
papers	citations	17 h-index	31 g-index

67	67	67	1066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probabilistic Tsunami Hazard Analysis: Multiple Sources and Global Applications. Reviews of Geophysics, 2017, 55, 1158-1198.	9.0	170
2	The September 28th, 2018, Tsunami In Palu-Sulawesi, Indonesia: A Post-Event Field Survey. Pure and Applied Geophysics, 2019, 176, 1379-1395.	0.8	103
3	Tsunami vulnerability assessment of Casablanca-Morocco using numerical modelling and GIS tools. Natural Hazards, 2010, 54, 75-95.	1.6	76
4	Design of a Sea-level Tsunami Detection Network for the Gulf of Cadiz. Natural Hazards and Earth System Sciences, 2009, 9, 1327-1338.	1.5	61
5	Boulder deposition during major tsunami events. Earth Surface Processes and Landforms, 2011, 36, 2054-2068.	1.2	54
6	Global Tonga tsunami explained by a fast-moving atmospheric source. Nature, 2022, 609, 734-740.	13.7	54
7	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). Frontiers in Earth Science, 2021, 8, .	0.8	50
8	Probabilistic Tsunami Hazard in the Northeast Atlantic from Near- and Far-Field Tectonic Sources. Pure and Applied Geophysics, 2015, 172, 901-920.	0.8	43
9	Potential inundation of Lisbon downtown by a 1755-like tsunami. Natural Hazards and Earth System Sciences, 2011, 11, 3319-3326.	1.5	40
10	A New Approximate Method for Quantifying Tsunami Maximum Inundation Height Probability. Pure and Applied Geophysics, 2019, 176, 3227-3246.	0.8	34
11	Identification of tsunami-induced deposits using numerical modeling and rock magnetism techniques: A study case of the 1755 Lisbon tsunami in Algarve, Portugal. Physics of the Earth and Planetary Interiors, 2010, 182, 187-198.	0.7	33
12	Tsunami Characteristics Along the Peruâ€“Chile Trench: Analysis of the 2015 Mw8.3 Illapel, the 2014 Mw8.2 Iquique and the 2010 Mw8.8 Maule Tsunamis in the Near-field. Pure and Applied Geophysics, 2016, 173, 1063-1077.	0.8	31
13	Evaluating Tsunami Impact on the Gulf of Cadiz Coast (Northeast Atlantic). Pure and Applied Geophysics, 2011, 168, 1033-1043.	0.8	29
14	Performance of coastal sea-defense infrastructure at El Jadida (Morocco) against tsunami threat: lessons learned from the Japanese 11 March 2011 tsunami. Natural Hazards and Earth System Sciences, 2013, 13, 1779-1794.	1.5	27
15	Deterministic approach for multiple-source tsunami hazard assessment for Sines, Portugal. Natural Hazards and Earth System Sciences, 2015, 15, 2557-2568.	1.5	25
16	Probabilistic tsunami hazard assessment along Oman coast from submarine earthquakes in the Makran subduction zone. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	23
17	Deep-water seamounts, a potential source of tsunami generated by landslides? The Hirondelle Seamount, NE Atlantic. Marine Geology, 2016, 379, 267-280.	0.9	23
18	On the use of Green's summation for tsunami waveform estimation: a case study. Geophysical Journal International, 2014, 199, 459-464.	1.0	18

#	Article	IF	Citations
19	Developing an Event-Tree Probabilistic Tsunami Inundation Model for NE Atlantic Coasts: Application to a Case Study. Pure and Applied Geophysics, 2016, 173, 3775-3794.	0.8	17
20	Probabilistic and deterministic estimates of near-field tsunami hazards in northeast Oman. Geoscience Letters, 2018, 5, .	1.3	17
21	Tsunami impact and vulnerability in the harbour area of Tangier, Morocco. Geomatics, Natural Hazards and Risk, 2015, 6, 718-740.	2.0	15
22	Evidence-Calibrated Numerical Model of December 22, 2018, Anak Krakatau Flank Collapse and Tsunami. Pure and Applied Geophysics, 2020, 177, 3059-3071.	0.8	13
23	A database of submarine landslides offshore West and Southwest Iberia. Scientific Data, 2021, 8, 185.	2.4	11
24	The 6â€“7 July 2010 meteotsunami along the coast of Portugal: insights from data analysis and numerical modelling. Natural Hazards, 2021, 106, 1397-1419.	1.6	10
25	The Contribution of Submarine Optical Fiber Telecom Cables to the Monitoring of Earthquakes and Tsunamis in the NE Atlantic. Frontiers in Earth Science, 2021, 9, .	0.8	10
26	Le risque tsunamique au MarocÂ: modÃ©lisation et Ã©valuation au moyen d'un premier jeu d'indicateurs d'exposition du littoral atlantique. Physio-GÃ©o, 2012, , 119-139.	0.5	10
27	Tsunami-induced morphological change â€“ A model-based impact assessment of the 1755 tsunami in NE Atlantic from the Morocco coast. Geomorphology, 2018, 319, 78-91.	1.1	9
28	Study of the 24 September 2013 Oman Sea tsunami using linear shallow water inversion. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	9
29	Tsunami hazard and buildings vulnerability along the Northern Atlantic coast of Morocco â€“the 1755-like tsunami in Asilah test-site. Geoenvironmental Disasters, 2017, 4, .	1.8	8
30	Synthetic tsunami waveform catalogs with kinematic constraints. Natural Hazards and Earth System Sciences, 2017, 17, 1253-1265.	1.5	7
31	The Tagus River delta landslide, off Lisbon, Portugal. Implications for Marine geo-hazards. Marine Geology, 2019, 416, 105983.	0.9	7
32	Comparison between MUSCL and MOOD techniques in a finite volume well-balanced code to solve SWE. The Tohoku-Oki, 2011 example. Geophysical Journal International, 2019, 216, 958-983.	1.0	7
33	Probabilistic Tsunami Hazard Assessment in Meso and Macro Tidal Areas. Application to the CÃ¡diz Bay, Spain. Frontiers in Earth Science, 2021, 9, .	0.8	7
34	How hazardous are tsunamis triggered by small-scale mass-wasting events on volcanic islands? New insights from Madeira â€“ NE Atlantic. Earth and Planetary Science Letters, 2022, 578, 117333.	1.8	7
35	Destructive episodes and morphological rejuvenation during the lifecycles of tectonically active seamounts: Insights from the Gorringe Bank in the NE Atlantic. Earth and Planetary Science Letters, 2021, 559, 116772.	1.8	5
36	The November, 1st, 1755 Tsunami in Morocco: Can Numerical Modeling Clarify the Uncertainties of Historical Reports?. , 2012, , .		4

#	Article	IF	Citations
37	Large submarine earthquakes that occurred worldwide in a 1-year period (June 2013 to June 2014) â€“ a contribution to the understanding of tsunamigenic potential. Natural Hazards and Earth System Sciences, 2015, 15, 2183-2200.	1.5	4
38	On the source of the 8 May 1939 Azores earthquake â€“ tsunami observations and numerical modelling. Geomatics, Natural Hazards and Risk, 2017, 8, 328-347.	2.0	4
39	Tsunami hazard assessment along Diba-Oman and Diba-Al-Emirates coasts. MATEC Web of Conferences, 2017, 120, 06007.	0.1	4
40	Site-specific deterministic and probabilistic tsunami hazard assessment for Diba-Oman and Diba-Al-Emirates. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	4
41	The Gloria Transform Faultâ€”NE Atlantic: Seismogenic and Tsunamigenic Potential. , 2019, , 157-167.		3
42	Spatial and morphometric relationships of submarine landslides offshore west and southwest Iberia. Landslides, 2022, 19, 387-405.	2.7	3
43	Reply to Comment on â€œProbabilistic Tsunami Hazard in the Northeast Atlantic From Near- and Far-Field Tectonic Sourcesâ€•by Fonseca (Pure and Applied Geophysics, 2016). Pure and Applied Geophysics, 2017, 174, 1127-1132.	0.8	1
44	On the Need for a Tsunami Warning System in the North East Atlantic Area (Gulf of Cadiz). , 0, , .		1
45	Developing an Event-Tree Probabilistic Tsunami Inundation Model for NE Atlantic Coasts: Application to a Case Study. Pageoph Topical Volumes, 2016, , 3775-3794.	0.2	0
46	Tsunami Characteristics Along the Peruâ€“Chile Trench: Analysis of the 2015 Mw8.3 Illapel, the 2014 Mw8.2 Iquique and the 2010 Mw8.8 Maule Tsunamis in the Near-field. , 2017, , 299-313.		0
47	Possible evidence of the 1755 CE transatlantic tsunami in Brazil. Journal of South American Earth Sciences, 2022, 116, 103823.	0.6	0
48	On the Greenspan resurgence of meteotsunamis in the Yellow Seaâ€”insights from the newly discovered 11â€“12 June 2009 event. Natural Hazards, 0, , .	1.6	0
49	Tsunami hazard and risk zoning for Qurayyat in northeast Oman coast: Worst-case credible scenarios along the Makran Subduction Zone, Western Asia. Journal of Asian Earth Sciences: X, 2022, 8, 100103.	0.6	0