

# Fabrizio Romano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8485954/publications.pdf>

Version: 2024-02-01

38  
papers

1,301  
citations

361045

20  
h-index

360668

35  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tsunamigenic Major and Great Earthquakes (2004–2013): Source Processes Inverted from Seismic, Geodetic, and Sea-Level Data. , 2022, , 247-298.		0
2	The Sensitivity of Tsunami Impact to Earthquake Source Parameters and Manning Friction in High-Resolution Inundation Simulations. <i>Frontiers in Earth Science</i> , 2022, 9, .	0.8	10
3	A first appraisal of the seismogenic and tsunamigenic potential of the largest fault systems in the westernmost Mediterranean. <i>Marine Geology</i> , 2022, 445, 106749.	0.9	1
4	Enabling dynamic and intelligent workflows for HPC, data analytics, and AI convergence. <i>Future Generation Computer Systems</i> , 2022, 134, 414-429.	4.9	17
5	Tsunami risk management for crustal earthquakes and non-seismic sources in Italy. <i>Rivista Del Nuovo Cimento</i> , 2021, 44, 69-144.	2.0	16
6	From Seismic Monitoring to Tsunami Warning in the Mediterranean Sea. <i>Seismological Research Letters</i> , 2021, 92, 1796-1816.	0.8	17
7	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	50
8	Testing Tsunami Inundation Maps for Evacuation Planning in Italy. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	16
9	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	65
10	Tsunami Source of the 2021 $M_w$ 8.1 Raoul Island Earthquake From DART and Tide-Gauge Data Inversion. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094449.	1.5	14
11	Probabilistic tsunami forecasting for early warning. <i>Nature Communications</i> , 2021, 12, 5677.	5.8	37
12	Sensitivity of Tsunami Scenarios to Complex Fault Geometry and Heterogeneous Slip Distribution: Case Studies for SW Iberia and NW Morocco. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022127.	1.4	3
13	Characterization of fault plane and coseismic slip for the 2 May 2020, $M_w$ 6.6 Crete Passage earthquake from tide gauge tsunami data and moment tensor solutions. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3713-3730.	1.5	3
14	Effect of Shallow Slip Amplification Uncertainty on Probabilistic Tsunami Hazard Analysis in Subduction Zones: Use of Long-Term Balanced Stochastic Slip Models. <i>Pure and Applied Geophysics</i> , 2020, 177, 1497-1520.	0.8	29
15	Importance of earthquake rupture geometry on tsunami modelling: the Calabrian Arc subduction interface (Italy) case study. <i>Geophysical Journal International</i> , 2020, 223, 1805-1819.	1.0	10
16	Benchmarking the Optimal Time Alignment of Tsunami Waveforms in Nonlinear Joint Inversions for the Mw 8.8 2010 Maule (Chile) Earthquake. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	7
17	Probabilistic Tsunami Hazard Analysis: High Performance Computing for Massive Scale Inundation Simulations. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	28
18	Fifteen Years of (Major to Great) Tsunamigenic Earthquakes. , 2020, , .		7

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19	The 2018 Mw 6.8 Zakynthos (Ionian Sea, Greece) earthquake: seismic source and local tsunami characterization. <i>Geophysical Journal International</i> , 2020, 221, 1043-1054.	1.0	20
20	Global Dissipation Models for Simulating Tsunamis at Far-Field Coasts up to 60 hours Post-Earthquake: Multi-Site Tests in Australia. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	4
21	A New Approximate Method for Quantifying Tsunami Maximum Inundation Height Probability. <i>Pure and Applied Geophysics</i> , 2019, 176, 3227-3246.	0.8	34
22	From regional to local SPTHA: efficient computation of probabilistic tsunami inundation maps addressing near-field sources. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 455-469.	1.5	34
23	Wave Interaction of Reverse Fault Rupture With Free Surface: Numerical Analysis of the Dynamic Effects and Fault Opening Induced by Symmetry Breaking. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1743-1758.	1.4	10
24	Tsunamigenic earthquake simulations using experimentally derived friction laws. <i>Earth and Planetary Science Letters</i> , 2018, 486, 155-165.	1.8	28
25	Fast evaluation of tsunami scenarios: uncertainty assessment for a Mediterranean Sea database. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 2593-2602.	1.5	26
26	Quantification of source uncertainties in Seismic Probabilistic Tsunami Hazard Analysis (SPTHA). <i>Geophysical Journal International</i> , 2016, 205, 1780-1803.	1.0	72
27	Optimal time alignment of tide gauge tsunami waveforms in nonlinear inversions: Application to the 2015 Illapel (Chile) earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 11,226.	1.5	28
28	Shallow slip amplification and enhanced tsunami hazard unravelled by dynamic simulations of mega-thrust earthquakes. <i>Scientific Reports</i> , 2016, 6, 35007.	1.6	36
29	Probabilistic hazard for seismically induced tsunamis: accuracy and feasibility of inundation maps. <i>Geophysical Journal International</i> , 2015, 200, 574-588.	1.0	90
30	Tsunamigenic Major and Great Earthquakes (2004–2013): Source Processes Inverted from Seismic, Geodetic, and Sea-Level Data. , 2015, , 1-52.		21
31	Source of the 6 February 2013 $M_w = 8.0$ Santa Cruz Islands Tsunami. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 1371-1379.	1.5	13
32	Structural control on the Tohoku earthquake rupture process investigated by 3D FEM, tsunami and geodetic data. <i>Scientific Reports</i> , 2014, 4, 5631.	1.6	72
33	Integrating geologic fault data into tsunami hazard studies. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 1025-1050.	1.5	48
34	Clues from joint inversion of tsunami and geodetic data of the 2011 Tohoku-oki earthquake. <i>Scientific Reports</i> , 2012, 2, 385.	1.6	70
35	Limited overlap between the seismic gap and coseismic slip of the great 2010 Chile earthquake. <i>Nature Geoscience</i> , 2011, 4, 173-177.	5.4	256
36	Slip distribution of the 2003 Tokachi-oki $M_w = 8.1$ earthquake from joint inversion of tsunami waveforms and geodetic data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30

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37	Kinematics and source zone properties of the 2004 Sumatra-Andaman earthquake and tsunami: Nonlinear joint inversion of tide gauge, satellite altimetry, and GPS data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
38	Source process of the September 12, 2007, $M_w$ 8.4 southern Sumatra earthquake from tsunami tide gauge record inversion. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	37