Marco Pagani

List of Publications by Year
in descending order

50 papers	2,075 citations	471509 17 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	1881 citing authors

#	Article	IF	Citations
1	OpenQuake Engine: An Open Hazard (and Risk) Software for the Global Earthquake Model. Seismological Research Letters, 2014, 85, 692-702.	1.9	469
2	Development of the OpenQuake engine, the Global Earthquake Model's open-source software for seismic risk assessment. Natural Hazards, 2014, 72, 1409-1427.	3.4	232
3	Empirical evaluation of microtremor H/V spectral ratio. Bulletin of Earthquake Engineering, 2008, 6, 75-108.	4.1	207
4	Seismic Performance of Precast Industrial Facilities Following Major Earthquakes in the Italian Territory. Journal of Performance of Constructed Facilities, 2015, 29, .	2.0	174
5	The GEM Global Active Faults Database. Earthquake Spectra, 2020, 36, 160-180.	3.1	131
6	Seismic Performance of Storage Steel Tanks during the May 2012 Emilia, Italy, Earthquakes. Journal of Performance of Constructed Facilities, 2015, 29, .	2.0	110
7	Probabilistic Seismic Hazard Analysis at Regional and National Scales: State of the Art and Future Challenges. Reviews of Geophysics, 2020, 58, e2019RG000653.	23.0	96
8	Development of a global seismic risk model. Earthquake Spectra, 2020, 36, 372-394.	3.1	91
9	The 2018 version of the Global Earthquake Model: Hazard component. Earthquake Spectra, 2020, 36, 226-251.	3.1	50
10	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). Frontiers in Earth Science, 2021, 8, .	1.8	50
11	Assessing seismic hazard of the East African Rift: a pilot study from GEM and AfricaArray. Bulletin of Earthquake Engineering, 2017, 15, 4499-4529.	4.1	49
12	Exploring earthquake databases for the creation of magnitude-homogeneous catalogues: tools for application on a regional and global scale. Geophysical Journal International, 2016, 206, 1652-1676.	2.4	41
13	Hazardous faults of South America; compilation and overview. Journal of South American Earth Sciences, 2020, 104, 102837.	1.4	30
14	CCAF-DB: the Caribbean and Central American active fault database. Natural Hazards and Earth System Sciences, 2020, 20, 831-857.	3.6	26
15	Modeling Distributed Seismicity for Probabilistic Seismic-Hazard Analysis: Implementation and Insights with the OpenQuake Engine. Bulletin of the Seismological Society of America, 2014, 104, 1636-1649.	2.3	25
16	Quality Assurance for Logic-Tree Implementation in Probabilistic Seismic-Hazard Analysis for Nuclear Applications: A Practical Example. Seismological Research Letters, 2013, 84, 938-945.	1.9	20
17	Assessing global earthquake risks: the Global Earthquake Model (GEM) initiative. , 2013, , 815-838.		19
18	A transparent and data-driven global tectonic regionalization model for seismic hazard assessment. Geophysical Journal International, 2018, 213, 1263-1280.	2.4	19

#	Article	IF	Citations
19	Correlation between damage distribution and ambient noise H/V spectral ratio: the SESAME project results. Bulletin of Earthquake Engineering, 2008, 6, 109-140.	4.1	18
20	Effects of Epistemic Uncertainty in Seismic Hazard Estimates on Building Portfolio Losses. Earthquake Spectra, 2018, 34, 217-236.	3.1	17
21	Appraising the PSHA Earthquake Source Models of Japan, New Zealand, and Taiwan. Seismological Research Letters, 2016, 87, 1240-1253.	1.9	16
22	A probabilistic seismic hazard model for North Africa. Bulletin of Earthquake Engineering, 2020, 18, 2917-2951.	4.1	13
23	A Dynamic Hierarchical Fuzzy Clustering Algorithm for Information Filtering. , 2006, , 3-23.		12
24	Managing uncertainty in location-based queries. Fuzzy Sets and Systems, 2009, 160, 2241-2252.	2.7	12
25	Mining Multidimensional Data Using Clustering Techniques. , 2007, , .		11
26	When probabilistic seismic hazard climbs volcanoes: the Mt.ÂEtna case, Italy â€" PartÂ2: Computational implementation and first results. Natural Hazards and Earth System Sciences, 2017, 17, 1999-2015.	3.6	11
27	Probabilistic seismic hazard analysis model for the Philippines. Earthquake Spectra, 2020, 36, 44-68.	3.1	11
28	Modelling subduction sources for probabilistic seismic hazard analysis. Geological Society Special Publication, 2021, 501, 225-244.	1.3	11
29	Seismic-Hazard Disaggregation: A Fully Probabilistic Methodology. Bulletin of the Seismological Society of America, 2007, 97, 1688-1701.	2.3	10
30	Data schemas for multiple hazards, exposure and vulnerability. Disaster Prevention and Management, 2019, 28, 752-763.	1.2	10
31	A Flexible Decision Support Approach to Model ill-defined Knowledge in GIS. NATO Science for Peace and Security Series C: Environmental Security, 2007, , 133-152.	0.2	8
32	Fusion Strategies Based on the OWA Operator in Environmental Applications. Studies in Fuzziness and Soft Computing, 2011, , 189-207.	0.8	8
33	Use of polysiloxane resins in friction materials. Advances in Applied Ceramics, 2009, 108, 461-467.	1.1	7
34	Significant Seismic Risk Potential From Buried Faults Beneath Almaty City, Kazakhstan, Revealed From Highâ€Resolution Satellite DEMs. Earth and Space Science, 2021, 8, e2021EA001664.	2.6	7
35	Regional and local seismic hazard assessment. Soil Dynamics and Earthquake Engineering, 2001, 21, 415-429.	3.8	6
36	Evaluating uncertain location-based spatial queries. , 2008, , .		6

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37	A summary of hazard datasets and guidelines supported by the Global Earthquake Model during the first implementation phase. Annals of Geophysics, 2015, 58, .	1.0	6
38	Improving Earthquake Doublet Frequency Predictions by Modified Spatial Trigger Kernels in the Epidemic-Type Aftershock Sequence (ETAS) Model. Bulletin of the Seismological Society of America, 2022, 112, 474-493.	2.3	5
39	A Flexible News Filtering Model Exploiting a Hierarchical Fuzzy Categorization. Lecture Notes in Computer Science, 2006, , 170-184.	1.3	5
40	A flexible contentâ€based image retrieval model and a customizable system for the retrieval of shapes. Journal of the Association for Information Science and Technology, 2010, 61, 907-926.	2.6	4
41	A flexible retrieval system of shapes in binary images. , 2007, , .		3
42	Database Model and Algebra for Complex and Heterogeneous Spatial Entities. , 2006, , 79-97.		3
43	PSHA after a strong earthquake: hints for the recovery. Annals of Geophysics, 2016, 59, .	1.0	3
44	PSHA of the southern Pacific Islands. Geophysical Journal International, 0, , .	2.4	2
45	Spatial SQL with Customizable Soft Selection Conditions. , 2006, , 323-346.		1
46	Consensual Fusion of Multisource Spatial data in presence of uncertainty. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	1
47	The power of the little ones: Computed and observed aftershock hazard in Central Italy. Earthquake Spectra, 0, , 875529302110369.	3.1	1
48	Flexible Location-Based Spatial Queries. , 2007, , 36-45.		1
49	A Flexible System for the Retrieval of Shapes in Binary Images. Lecture Notes in Computer Science, 2007, , 370-377.	1.3	1
50	Imperfect Multisource Spatial Data Fusion Based on a Local Consensual Dynamics. Studies in Computational Intelligence, 2010, , 79-94.	0.9	1