

Massimiliano Pittore

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,281
citations

394421
19
h-index

377865
34
g-index

69
all docs

69
docs citations

69
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Epistemic uncertainty of probabilistic building exposure compositions in scenario-based earthquake loss models. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 2401-2438.	4.1	8
2	Towards a Sensitivity Analysis in Seismic Risk with Probabilistic Building Exposure Models: An Application in Valparaíso, Chile Using Ancillary Open-Source Data and Parametric Ground Motions. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 113.	2.9	5
3	Community Perception and Communication of Volcanic Risk from the Cotopaxi Volcano in Latacunga, Ecuador. <i>Sustainability</i> , 2021, 13, 1714.	3.2	6
4	Correlation does not imply geomorphic causation in data-driven landslide susceptibility modelling – Benefits of exploring landslide data collection effects. <i>Science of the Total Environment</i> , 2021, 776, 145935.	8.0	60
5	Variable-resolution building exposure modelling for earthquake and tsunami scenario-based risk assessment: an application case in Lima, Peru. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3599-3628.	3.6	18
6	Modelling exposure and vulnerability from post-earthquake survey data with risk-oriented taxonomies: AeDES form, GEM taxonomy and EMS-98 typologies. <i>International Journal of Disaster Risk Reduction</i> , 2020, 50, 101894.	3.9	16
7	Variable resolution probabilistic modeling of residential exposure and vulnerability for risk applications. <i>Earthquake Spectra</i> , 2020, 36, 321-344.	3.1	19
8	Impact Forecasting to Support Emergency Management of Natural Hazards. <i>Reviews of Geophysics</i> , 2020, 58, e2020RG000704.	23.0	93
9	Development of a global seismic risk model. <i>Earthquake Spectra</i> , 2020, 36, 372-394.	3.1	91
10	Bridging the Gap Between Seismology and Engineering: Towards Real-Time Damage Assessment. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2018, , 253-261.	0.2	2
11	Toward performance-driven seismic risk monitoring for geothermal platforms: development of ad hoc fragility curves. <i>Geothermal Energy</i> , 2018, 6, .	1.9	12
12	Bayesian Estimation of Macroseismic Intensity from Post-Earthquake Rapid Damage Mapping. <i>Earthquake Spectra</i> , 2018, 34, 1809-1828.	3.1	4
13	Risk-Oriented, Bottom-Up Modeling of Building Portfolios With Faceted Taxonomies. <i>Frontiers in Built Environment</i> , 2018, 4, .	2.3	27
14	Multitask Active Learning for Characterization of Built Environments With Multisensor Earth Observation Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5583-5597.	4.9	15
15	Perspectives on global dynamic exposure modelling for geo-risk assessment. <i>Natural Hazards</i> , 2017, 86, 7-30.	3.4	53
16	The Multi-Parameter Wireless Sensing System (MPwise): Its Description and Application to Earthquake Risk Mitigation. <i>Sensors</i> , 2017, 17, 2400.	3.8	18
17	Assessing Earthquake Early Warning Using Sparse Networks in Developing Countries: Case Study of the Kyrgyz Republic. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	15
18	A Spatio-Temporal Building Exposure Database and Information Life-Cycle Management Solution. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 114.	2.9	14

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19	Large-area settlement pattern recognition from Landsat-8 data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 294-308.	11.1	21
20	Data-Driven Seismic Hazard Models Prepared for a Seismic Risk Assessment in the Dead Sea Region. Bulletin of the Seismological Society of America, 2016, 106, 2584-2598.	2.3	6
21	Object-based urban structure type pattern recognition from Landsat TM with a Support Vector Machine. International Journal of Remote Sensing, 2016, 37, 4059-4083.	2.9	13
22	Improving Post-Earthquake Insurance Claim Management: A Novel Approach to Prioritize Geospatial Data Collection. ISPRS International Journal of Geo-Information, 2015, 4, 2401-2427.	2.9	6
23	A Multiscale Exposure Model for Seismic Risk Assessment in Central Asia. Seismological Research Letters, 2015, 86, 210-222.	1.9	30
24	The Use of Spectral Content to Improve Earthquake Early Warning Systems in Central Asia: Case Study of Bishkek, Kyrgyzstan. Bulletin of the Seismological Society of America, 2015, 105, 2764-2773.	2.3	4
25	On-site Early Warning and Rapid Damage Forecasting Using Single Stations: Outcomes from the REAKT Project. Seismological Research Letters, 2015, 86, 1393-1404.	1.9	27
26	Towards a cross-border exposure model for the Earthquake Model Central Asia. Annals of Geophysics, 2015, 58, .	1.0	9
27	On-site early-warning system for Bishkek (Kyrgyzstan). Annals of Geophysics, 2015, 58, .	1.0	12
28	Focus maps: a means of prioritizing data collection for efficient geo-risk assessment. Annals of Geophysics, 2015, 58, .	1.0	6
29	Performance Evaluation of Machine Learning Algorithms for Urban Pattern Recognition from Multi-spectral Satellite Images. Remote Sensing, 2014, 6, 2912-2939.	4.0	94
30	Uncertainty and sensitivity analyses in seismic risk assessments on the example of Cologne, Germany. Natural Hazards and Earth System Sciences, 2014, 14, 1625-1640.	3.6	21
31	Toward a Loss-Driven Earthquake Early Warning and Rapid Response System for Kyrgyzstan (Central) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	19
32	Real-time risk assessment in seismic early warning and rapid response: a feasibility study in Bishkek (Kyrgyzstan). Journal of Seismology, 2013, 17, 485-505.	1.3	28
33	Toward a rapid probabilistic seismic vulnerability assessment using satellite and ground-based remote sensing. Natural Hazards, 2013, 68, 115-145.	3.4	57
34	First Steps toward a Reassessment of the Seismic Risk of the City of Dushanbe (Tajikistan). Seismological Research Letters, 2013, 84, 1026-1038.	1.9	12
35	Improving the spatial resolution of ground motion variability using earthquake and seismic noise data: the example of Bishkek (Kyrgyzstan). Bulletin of Earthquake Engineering, 2013, 11, 385-399.	4.1	14
36	Remote sensing and omnidirectional imaging for efficient building inventory data-capturing: Application within the Earthquake Model Central Asia. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
37	Exposure Estimation from Multi-Resolution Optical Satellite Imagery for Seismic Risk Assessment. ISPRS International Journal of Geo-Information, 2012, 1, 69-88.	2.9	26
38	Estimating building inventory for rapid seismic vulnerability assessment: Towards an integrated approach based on multi-source imaging. Soil Dynamics and Earthquake Engineering, 2012, 36, 70-83.	3.8	74
39	Exploiting a new electrochemical sensor for biofilm monitoring and water treatment optimization. Water Research, 2011, 45, 1651-1658.	11.3	42
40	Swimming speed alteration of Artemia sp. and Brachionus plicatilis as a sub-lethal behavioural end-point for ecotoxicological surveys. Ecotoxicology, 2010, 19, 512-519.	2.4	124
41	Swimming speed alteration of larvae of Balanus Amphitrite as a behavioural end-point for laboratory toxicological bioassays. Marine Biology, 2006, 149, 87-96.	1.5	75
42	A complete system for on-line 3D modelling from acoustic images. Signal Processing: Image Communication, 2005, 20, 832-852.	3.2	26
43	Role of image recognition in defining the user's in 3G phone applications: the AGAMEMNON experience. , 2005, , .		3
44	Learning to Recognize Visual Dynamic Events from Examples. International Journal of Computer Vision, 2000, 38, 35-44.	15.6	5
45	New methods for reducing size graphs. International Journal of Computer Mathematics, 1999, 70, 505-517.	1.8	16
46	Theory, Implementation, and Applications of Support Vector Machines. Perspectives in Neural Computing, 1999, , 60-77.	0.1	0
47	Representing and recognizing visual dynamic events with support vector machines. , 0, , .		9
48	Mosaicing of 3D Sonar Data Sets - Techniques and Applications. , 0, , .		13