

Massimiliano Pittore

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,281
citations

393982

19
h-index

377514

34
g-index

69
all docs

69
docs citations

69
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Swimming speed alteration of Artemia sp. and Brachionus plicatilis as a sub-lethal behavioural end-point for ecotoxicological surveys. <i>Ecotoxicology</i> , 2010, 19, 512-519.	1.1	124
2	Performance Evaluation of Machine Learning Algorithms for Urban Pattern Recognition from Multi-spectral Satellite Images. <i>Remote Sensing</i> , 2014, 6, 2912-2939.	1.8	94
3	Impact Forecasting to Support Emergency Management of Natural Hazards. <i>Reviews of Geophysics</i> , 2020, 58, e2020RG000704.	9.0	93
4	Development of a global seismic risk model. <i>Earthquake Spectra</i> , 2020, 36, 372-394.	1.6	91
5	Swimming speed alteration of larvae of Balanus Amphitrite as a behavioural end-point for laboratory toxicological bioassays. <i>Marine Biology</i> , 2006, 149, 87-96.	0.7	75
6	Estimating building inventory for rapid seismic vulnerability assessment: Towards an integrated approach based on multi-source imaging. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 36, 70-83.	1.9	74
7	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.	3.9	60
8	Toward a rapid probabilistic seismic vulnerability assessment using satellite and ground-based remote sensing. <i>Natural Hazards</i> , 2013, 68, 115-145.	1.6	57
9	Perspectives on global dynamic exposure modelling for geo-risk assessment. <i>Natural Hazards</i> , 2017, 86, 7-30.	1.6	53
10	Exploiting a new electrochemical sensor for biofilm monitoring and water treatment optimization. <i>Water Research</i> , 2011, 45, 1651-1658.	5.3	42
11	A Multiscale Exposure Model for Seismic Risk Assessment in Central Asia. <i>Seismological Research Letters</i> , 2015, 86, 210-222.	0.8	30
12	Real-time risk assessment in seismic early warning and rapid response: a feasibility study in Bishkek (Kyrgyzstan). <i>Journal of Seismology</i> , 2013, 17, 485-505.	0.6	28
13	On-Site Early Warning and Rapid Damage Forecasting Using Single Stations: Outcomes from the REAKT Project. <i>Seismological Research Letters</i> , 2015, 86, 1393-1404.	0.8	27
14	Risk-Oriented, Bottom-Up Modeling of Building Portfolios With Faceted Taxonomies. <i>Frontiers in Built Environment</i> , 2018, 4, .	1.2	27
15	A complete system for on-line 3D modelling from acoustic images. <i>Signal Processing: Image Communication</i> , 2005, 20, 832-852.	1.8	26
16	Exposure Estimation from Multi-Resolution Optical Satellite Imagery for Seismic Risk Assessment. <i>ISPRS International Journal of Geo-Information</i> , 2012, 1, 69-88.	1.4	26
17	Uncertainty and sensitivity analyses in seismic risk assessments on the example of Cologne, Germany. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1625-1640.	1.5	21
18	Large-area settlement pattern recognition from Landsat-8 data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 119, 294-308.	4.9	21

#	ARTICLE	IF	CITATIONS
19	Toward a Loss-Driven Earthquake Early Warning and Rapid Response System for Kyrgyzstan (Central) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	9
20	Variable resolution probabilistic modeling of residential exposure and vulnerability for risk applications. Earthquake Spectra, 2020, 36, 321-344.	1.6	19
21	The Multi-Parameter Wireless Sensing System (MPwise): Its Description and Application to Earthquake Risk Mitigation. Sensors, 2017, 17, 2400.	2.1	18
22	Variable-resolution building exposure modelling for earthquake and tsunami scenario-based risk assessment: an application case in Lima, Peru. Natural Hazards and Earth System Sciences, 2021, 21, 3599-3628.	1.5	18
23	New methods for reducing size graphs. International Journal of Computer Mathematics, 1999, 70, 505-517.	1.0	16
24	Modelling exposure and vulnerability from post-earthquake survey data with risk-oriented taxonomies: AeDES form, GEM taxonomy and EMS-98 typologies. International Journal of Disaster Risk Reduction, 2020, 50, 101894.	1.8	16
25	Multitask Active Learning for Characterization of Built Environments With Multisensor Earth Observation Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5583-5597.	2.3	15
26	Assessing Earthquake Early Warning Using Sparse Networks in Developing Countries: Case Study of the Kyrgyz Republic. Frontiers in Earth Science, 2017, 5, .	0.8	15
27	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.	2.3	14
28	A Spatio-Temporal Building Exposure Database and Information Life-Cycle Management Solution. ISPRS International Journal of Geo-Information, 2017, 6, 114.	1.4	14
29	Mosaicing of 3D Sonar Data Sets - Techniques and Applications. , 0, , .		13
30	Object-based urban structure type pattern recognition from Landsat TM with a Support Vector Machine. International Journal of Remote Sensing, 2016, 37, 4059-4083.	1.3	13
31	First Steps toward a Reassessment of the Seismic Risk of the City of Dushanbe (Tajikistan). Seismological Research Letters, 2013, 84, 1026-1038.	0.8	12
32	Toward performance-driven seismic risk monitoring for geothermal platforms: development of ad hoc fragility curves. Geothermal Energy, 2018, 6, .	0.9	12
33	On-site early-warning system for Bishkek (Kyrgyzstan). Annals of Geophysics, 2015, 58, .	0.5	12
34	Representing and recognizing visual dynamic events with support vector machines. , 0, , .		9
35	Towards a cross-border exposure model for the Earthquake Model Central Asia. Annals of Geophysics, 2015, 58, .	0.5	9
36	Epistemic uncertainty of probabilistic building exposure compositions in scenario-based earthquake loss models. Bulletin of Earthquake Engineering, 2022, 20, 2401-2438.	2.3	8

#	ARTICLE	IF	CITATIONS
37	Remote sensing and omnidirectional imaging for efficient building inventory data-capturing: Application within the Earthquake Model Central Asia. , 2012, , .		6
38	Improving Post-Earthquake Insurance Claim Management: A Novel Approach to Prioritize Geospatial Data Collection. ISPRS International Journal of Geo-Information, 2015, 4, 2401-2427.	1.4	6
39	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.	1.1	6
40	Community Perception and Communication of Volcanic Risk from the Cotopaxi Volcano in Latacunga, Ecuador. Sustainability, 2021, 13, 1714.	1.6	6
41	Focus maps: a means of prioritizing data collection for efficient geo-risk assessment. Annals of Geophysics, 2015, 58, .	0.5	6
42	Learning to Recognize Visual Dynamic Events from Examples. International Journal of Computer Vision, 2000, 38, 35-44.	10.9	5
43	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. ISPRS International Journal of Geo-Information, 2022, 11, 113.	1.4	5
44	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.	1.1	4
45	Bayesian Estimation of Macroseismic Intensity from Post-Earthquake Rapid Damage Mapping. Earthquake Spectra, 2018, 34, 1809-1828.	1.6	4
46	Role of image recognition in defining the user's in 3G phone applications: the AGAMEMNON experience. , 2005, , .		3
47	Bridging the Gap Between Seismology and Engineering: Towards Real-Time Damage Assessment. Geotechnical, Geological and Earthquake Engineering, 2018, , 253-261.	0.1	2
48	Theory, Implementation, and Applications of Support Vector Machines. Perspectives in Neural Computing, 1999, , 60-77.	0.1	0