Olga Mavrouli

List of Publications by Year
in descending order

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39 papers	1,538 citations	430754 18 h-index	345118 36 g-index
42 all docs	42 docs citations	42 times ranked	1457 citing authors

#	Article	IF	Citations
1	Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209.	1.6	541
2	Prediction of a multi-hazard chain by an integrated numerical simulation approach: the Baige landslide, Jinsha River, China. Landslides, 2020, 17, 147-164.	2.7	97
3	A fractal fragmentation model for rockfalls. Landslides, 2017, 14, 875-889.	2.7	76
4	Vulnerability assessment for reinforced concrete buildings exposed to landslides. Bulletin of Engineering Geology and the Environment, 2014, 73, 265.	1.6	68
5	A methodology to obtain the block size distribution of fragmental rockfall deposits. Landslides, 2015, 12, 815-825.	2.7	66
6	Vulnerability of simple reinforced concrete buildings to damage by rockfalls. Landslides, 2010, 7, 169-180.	2.7	64
7	Magnitudeâ€“frequency relation for rockfall scars using a Terrestrial Laser Scanner. Engineering Geology, 2012, 145-146, 50-64.	2.9	57
8	Assessment of socioeconomic vulnerability to landslides using an indicator-based approach: methodology and case studies. Bulletin of Engineering Geology and the Environment, 2014, 73, 307-324.	1.6	49
9	An expert judgement approach to determining the physical vulnerability of roads to debris flow. Bulletin of Engineering Geology and the Environment, 2014, 73, 291-305.	1.6	46
10	Rockfall vulnerability assessment for reinforced concrete buildings. Natural Hazards and Earth System Sciences, 2010, 10, 2055-2066.	1.5	45
11	Slow-moving landslides interacting with the road network: Analysis of damage using ancillary data, in situ surveys and multi-source monitoring data. Engineering Geology, 2019, 260, 105244.	2.9	37
12	Size Distribution for Potentially Unstable Rock Masses and In Situ Rock Blocks Using LIDAR-Generated Digital Elevation Models. Rock Mechanics and Rock Engineering, 2015, 48, 1589-1604.	2.6	36
13	Magnitude and frequency relations: are there geological constraints to the rockfall size?. Landslides, 2018, 15, 829-845.	2.7	34
14	How size and trigger matter: analyzing rainfall- and earthquake-triggered landslide inventories and their causal relation in the Koshi River basin, central Himalaya. Natural Hazards and Earth System Sciences, 2019, 19, 1789-1805.	1.5	34
15	Use of UAV-based photogrammetry products for semi-automatic detection and classification of asphalt road damage in landslide-affected areas. Engineering Geology, 2021, 294, 106363.	2.9	33
16	Rockfall Occurrence and Fragmentation. , 2017, , 75-97.		30
17	Methodology to evaluate rock slope stability under seismic conditions at SolÃ de Santa Coloma, Andorra. Natural Hazards and Earth System Sciences, 2009, 9, 1763-1773.	1.5	28
18	Damage analysis of masonry structures subjected to rockfalls. Landslides, 2017, 14, 891-904.	2.7	23

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19	Integrated risk assessment due to slope instabilities in the roadway network of Gipuzkoa, Basque Country. Natural Hazards and Earth System Sciences, 2019, 19, 399-419.	1.5	20
20	Comparing rockfall scar volumes and kinematically detachable rock masses. Engineering Geology, 2017, 219, 64-73.	2.9	19
21	Identification of potential rockfall sources using UAV-derived point cloud. Bulletin of Engineering Geology and the Environment, 2021, 80, 6539-6561.	1.6	15
22	Evaluation of Maximum Rockfall Dimensions Based on Probabilistic Assessment of the Penetration of the Sliding Planes into the Slope. Rock Mechanics and Rock Engineering, 2020, 53, 2301-2312.	2.6	12
23	Rockfalls: analysis of the block fragmentation through field experiments. Landslides, 2022, 19, 1009-1029.	2.7	11
24	Calculation of the rockwall recession rate of a limestone cliff, affected by rockfalls, using cosmogenic chlorine-36. Case study of the Montsec Range (Eastern Pyrenees, Spain). Geomorphology, 2018, 306, 325-335.	1.1	9
25	Landslide susceptibility assessment at Kathmandu Kyirong Highway Corridor in pre-quake, co-seismic and post-quake situations. Journal of Mountain Science, 2020, 17, 2652-2673.	0.8	8
26	Towards a model for structured mass movements: the OpenLISEM hazard model 2.0a. Geoscientific Model Development, 2021, 14, 1841-1864.	1.3	8
27	Landslide characteristics and its impact on tourism for two roadside towns along the Kathmandu Kyirong Highway. Journal of Mountain Science, 2020, 17, 1840-1859.	0.8	7
28	Methods for the Characterization of the Vulnerability of Elements at Risk. Advances in Natural and Technological Hazards Research, 2014, , 233-273.	1.1	7
29	Experimental study on rockfall fragmentation: In situ test design and first results. , 2016, , 983-990.		6
30	Comparison of block size distribution in rockfalls. , 2016, , 1767-1774.		6
31	Modeling landslide failure surfaces by polynomial surface fitting. Geomorphology, 2020, 368, 107358.	1.1	6
32	Finite element analysis and fragility curves for the evaluation of restoration mortars behavior regarding the earthquake protection of historic structures. Soil Dynamics and Earthquake Engineering, 2013, 54, 61-65.	1.9	5
33	Rehabilitation of hospital buildings using passive control systems. Smart Structures and Systems, 2006, 2, 305-312.	1.9	5
34	TXT-tool 4.034-1.1: Quantitative Rockfall Risk Assessment for Roadways and Railways. , 2018, , 509-519.		4
35	Quantitative Rockfall Risk Assessment in the Roadways of Gipuzkoa. , 2015, , 1813-1816.		3
36	Aseismic protection of historical structures using modern retrofitting techniques. Smart Structures and Systems, 2008, 4, 233-245.	1.9	3

#	Article	IF	Citations
37	Comparing kinematically detachable rock masses and rockfall scar volumes. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012020.	0.2	2
38	Disaster Mitigation by Corrective and Protection Measures. Advances in Natural and Technological Hazards Research, 2014, , 303-326.	1.1	2
39	Investigation of masonry elasticity and shear moduli using finite element micro-models. Smart Structures and Systems, 2008, 4, 171-182.	1.9	1