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	Rockfalls: analysis of the block fragmentation through field experiments. Landslides, 2022, 19, 1009-1029.	2.7	11
2	Towards a model for structured mass movements: the OpenLISEM hazard model 2.0a. Geoscientific Model Development, 2021, 14, 1841-1864.	1.3	8
3	Identification of potential rockfall sources using UAV-derived point cloud. Bulletin of Engineering Geology and the Environment, 2021, 80, 6539-6561.	1.6	15
4	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
5	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
6	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
7	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
8	Modeling landslide failure surfaces by polynomial surface fitting. Geomorphology, 2020, 368, 107358.	1.1	6
9	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
10	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
11	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
12	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
13	TXT-tool 4.034-1.1: Quantitative Rockfall Risk Assessment for Roadways and Railways. , 2018, , 509-519.		4
14	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
15	Magnitude and frequency relations: are there geological constraints to the rockfall size?. Landslides, 2018, 15, 829-845.	2.7	34
16	Damage analysis of masonry structures subjected to rockfalls. Landslides, 2017, 14, 891-904.	2.7	23
17	A fractal fragmentation model for rockfalls. Landslides, 2017, 14, 875-889.	2.7	76
18	Comparing rockfall scar volumes and kinematically detachable rock masses. Engineering Geology, 2017, 219, 64-73.	2.9	19

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19	Rockfall Occurrence and Fragmentation. , 2017, , 75-97.		30
20	Experimental study on rockfall fragmentation: In situ test design and first results. , 2016, , 983-990.		6
21	Comparison of block size distribution in rockfalls. , 2016, , 1767-1774.		6
22	Comparing kinematically detachable rock masses and rockfall scar volumes. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012020.	0.2	2
23	A methodology to obtain the block size distribution of fragmental rockfall deposits. Landslides, 2015, 12, 815-825.	2.7	66
24	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
25	Quantitative Rockfall Risk Assessment in the Roadways of Gipuzkoa. , 2015, , 1813-1816.		3
26	Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209.	1.6	541
27	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
28	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
29	Vulnerability assessment for reinforced concrete buildings exposed to landslides. Bulletin of Engineering Geology and the Environment, 2014, 73, 265.	1.6	68
30	Methods for the Characterization of the Vulnerability of Elements at Risk. Advances in Natural and Technological Hazards Research, 2014, , 233-273.	1.1	7
31	Disaster Mitigation by Corrective and Protection Measures. Advances in Natural and Technological Hazards Research, 2014, , 303-326.	1.1	2
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	Magnitudeâ€“frequency relation for rockfall scars using a Terrestrial Laser Scanner. Engineering Geology, 2012, 145-146, 50-64.	2.9	57
34	Vulnerability of simple reinforced concrete buildings to damage by rockfalls. Landslides, 2010, 7, 169-180.	2.7	64
35	Rockfall vulnerability assessment for reinforced concrete buildings. Natural Hazards and Earth System Sciences, 2010, 10, 2055-2066.	1.5	45
36	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

#	Article	IF	Citations
37	Investigation of masonry elasticity and shear moduli using finite element micro-models. Smart Structures and Systems, 2008, 4, 171-182.	1.9	1
38	Aseismic protection of historical structures using modern retrofitting techniques. Smart Structures and Systems, 2008, 4, 233-245.	1.9	3
39	Rehabilitation of hospital buildings using passive control systems. Smart Structures and Systems, 2006, 2, 305-312.	1.9	5