

Monica Barbero

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

358
citations

933447

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839539

18
g-index

25
all docs

25
docs citations

25
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	A stochastic approach to slope stability analysis in bimrocks. International Journal of Rock Mechanics and Minings Sciences, 2018, 101, 41-49.	5.8	81
2	Estimation of the return period of rockfall blocks according to their size. Natural Hazards and Earth System Sciences, 2017, 17, 103-113.	3.6	47
3	Evaluating Rockfall Risk: Some Critical Aspects. Geosciences (Switzerland), 2020, 10, 98.	2.2	45
4	Tunneling in heterogeneous rock masses with a block-in-matrix fabric. International Journal of Rock Mechanics and Minings Sciences, 2021, 138, 104655.	5.8	22
5	Identifying uncertainty in estimates of bimrocks volumetric proportions from 2D measurements. Engineering Geology, 2020, 278, 105831.	6.3	21
6	Healing of snow surface-to-surface contacts by isothermal sintering. Cryosphere, 2014, 8, 1651-1659.	3.9	17
7	Effects of block shape and inclination on the stability of melange bimrocks. Bulletin of Engineering Geology and the Environment, 2021, 80, 7457-7466.	3.5	16
8	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps) – part I: Conception and logistics. Cold Regions Science and Technology, 2013, 85, 175-182.	3.5	14
9	A quantitative approach for the evaluation of rockfall risk on buildings. Natural Hazards, 2017, 88, 1059-1086.	3.4	12
10	Practical classification of geotechnically complex formations with block-in-matrix fabrics. Engineering Geology, 2022, 301, 106595.	6.3	11
11	Stability Analysis of a Rock Column in Seismic Conditions. Rock Mechanics and Rock Engineering, 2010, 43, 845-855.	5.4	10
12	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps) ? Part II: Engineering aspects. Cold Regions Science and Technology, 2013, 86, 14-21.	3.5	9
13	An innovative bio-engineering retaining structure for supporting unstable soil. Journal of Rock Mechanics and Geotechnical Engineering, 2017, 9, 247-259.	8.1	9
14	A method to quantitatively assess the vulnerability of masonry structures subjected to rockfalls. Natural Hazards, 2020, 103, 1307-1325.	3.4	8
15	Impact of Debris Flows on Filter Barriers: Analysis Based on Site Monitoring Data. Environmental and Engineering Geoscience, 2021, 27, 195-212.	0.9	6
16	Stiffening Effect of Bolt-On Transducers on Strain Measurements. Latin American Journal of Solids and Structures, 2016, 13, 536-553.	1.0	5
17	A reliability-based method for taking into account snowfall return period in the design of buildings in avalanche-prone areas. Natural Hazards, 2016, 81, 1901-1912.	3.4	5
18	Snow Avalanche Impact Measurements at the Seehore Test Site in Aosta Valley (NW Italian Alps). Geosciences (Switzerland), 2019, 9, 471.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Experimental study of the shear strength of a snow-mortar interface. Cold Regions Science and Technology, 2021, 193, 103430.	3.5	4
20	Snow Pressure on a Semiflexible Retaining Structure. Journal of Cold Regions Engineering - ASCE, 2014, 28, 04014002.	1.1	3
21	An Apparatus for In Situ Direct Shear Tests on Snow. Experimental Techniques, 2016, 40, 149-158.	1.5	3
22	Failure mechanics of snow layers through image analysis. European Journal of Mechanics, A/Solids, 2019, 74, 26-33.	3.7	3
23	Experimental tests for the assessment of the shear strength of marble waste dumps. Environmental Earth Sciences, 2014, 71, 3259-3271.	2.7	1
24	A Statistically Based Methodology to Estimate the Probability of Encountering Rock Blocks When Tunneling in Heterogeneous Ground. Mining, 2021, 1, 241-250.	2.4	1
25	Preliminary Characterisation of an Italian Soft Rock with a Block-in-Matrix Fabric. Geosciences (Switzerland), 2022, 12, 70.	2.2	0