

# Monica Barbero

## List of Publications by Year in descending order

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25  
papers

358  
citations

933447

10  
h-index

839539

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary Characterisation of an Italian Soft Rock with a Block-in-Matrix Fabric. <i>Geosciences (Switzerland)</i> , 2022, 12, 70.	2.2	0
2	Practical classification of geotechnically complex formations with block-in-matrix fabrics. <i>Engineering Geology</i> , 2022, 301, 106595.	6.3	11
3	Tunneling in heterogeneous rock masses with a block-in-matrix fabric. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 138, 104655.	5.8	22
4	Impact of Debris Flows on Filter Barriers: Analysis Based on Site Monitoring Data. <i>Environmental and Engineering Geoscience</i> , 2021, 27, 195-212.	0.9	6
5	Effects of block shape and inclination on the stability of melange bimrocks. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 7457-7466.	3.5	16
6	A Statistically Based Methodology to Estimate the Probability of Encountering Rock Blocks When Tunneling in Heterogeneous Ground. <i>Mining</i> , 2021, 1, 241-250.	2.4	1
7	Experimental study of the shear strength of a snow-mortar interface. <i>Cold Regions Science and Technology</i> , 2021, 193, 103430.	3.5	4
8	Identifying uncertainty in estimates of bimrocks volumetric proportions from 2D measurements. <i>Engineering Geology</i> , 2020, 278, 105831.	6.3	21
9	Evaluating Rockfall Risk: Some Critical Aspects. <i>Geosciences (Switzerland)</i> , 2020, 10, 98.	2.2	45
10	A method to quantitatively assess the vulnerability of masonry structures subjected to rockfalls. <i>Natural Hazards</i> , 2020, 103, 1307-1325.	3.4	8
11	Failure mechanics of snow layers through image analysis. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 26-33.	3.7	3
12	Snow Avalanche Impact Measurements at the Seehore Test Site in Aosta Valley (NW Italian Alps). <i>Geosciences (Switzerland)</i> , 2019, 9, 471.	2.2	5
13	A stochastic approach to slope stability analysis in bimrocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 101, 41-49.	5.8	81
14	An innovative bio-engineering retaining structure for supporting unstable soil. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 247-259.	8.1	9
15	A quantitative approach for the evaluation of rockfall risk on buildings. <i>Natural Hazards</i> , 2017, 88, 1059-1086.	3.4	12
16	Estimation of the return period of rockfall blocks according to their size. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 103-113.	3.6	47
17	Stiffening Effect of Bolt-On Transducers on Strain Measurements. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 536-553.	1.0	5
18	A reliability-based method for taking into account snowfall return period in the design of buildings in avalanche-prone areas. <i>Natural Hazards</i> , 2016, 81, 1901-1912.	3.4	5

#	ARTICLE	IF	CITATIONS
19	An Apparatus for In Situ Direct Shear Tests on Snow. <i>Experimental Techniques</i> , 2016, 40, 149-158.	1.5	3
20	Snow Pressure on a Semiflexible Retaining Structure. <i>Journal of Cold Regions Engineering - ASCE</i> , 2014, 28, 04014002.	1.1	3
21	Healing of snow surface-to-surface contacts by isothermal sintering. <i>Cryosphere</i> , 2014, 8, 1651-1659.	3.9	17
22	Experimental tests for the assessment of the shear strength of marble waste dumps. <i>Environmental Earth Sciences</i> , 2014, 71, 3259-3271.	2.7	1
23	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps) ? Part II: Engineering aspects. <i>Cold Regions Science and Technology</i> , 2013, 86, 14-21.	3.5	9
24	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps)â€™ part I: Conception and logistics. <i>Cold Regions Science and Technology</i> , 2013, 85, 175-182.	3.5	14
25	Stability Analysis of a Rock Column in Seismic Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2010, 43, 845-855.	5.4	10