

# Mojtaba Bahaaddini

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,273  
citations

623574

14  
h-index

752573

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the effect of joint geometrical parameters on the mechanical properties of a non-persistent jointed rock mass under uniaxial compression. Computers and Geotechnics, 2013, 49, 206-225.	2.3	288
2	Numerical direct shear tests to model the shear behaviour of rock joints. Computers and Geotechnics, 2013, 51, 101-115.	2.3	220
3	Scale effect on the shear behaviour of rock joints based on a numerical study. Engineering Geology, 2014, 181, 212-223.	2.9	133
4	Experimental and numerical study of asperity degradation in the direct shear test. Engineering Geology, 2016, 204, 41-52.	2.9	132
5	Parametric Study of Smooth Joint Parameters on the Shear Behaviour of Rock Joints. Rock Mechanics and Rock Engineering, 2015, 48, 923-940.	2.6	107
6	Numerical Study of the Mechanical Behavior of Nonpersistent Jointed Rock Masses. International Journal of Geomechanics, 2016, 16, .	1.3	78
7	Effect of Boundary Condition on the Shear Behaviour of Rock Joints in the Direct Shear Test. Rock Mechanics and Rock Engineering, 2017, 50, 1141-1155.	2.6	70
8	Flat-joint model to reproduce the mechanical behaviour of intact rocks. European Journal of Environmental and Civil Engineering, 2021, 25, 1427-1448.	1.0	44
9	A coupled method to study blast wave propagation in fractured rock masses and estimate unknown properties. Computers and Geotechnics, 2013, 49, 134-142.	2.3	32
10	Numerical assessment of rupture mechanisms in Brazilian test of brittle materials. International Journal of Solids and Structures, 2019, 180-181, 1-12.	1.3	27
11	Numerical modeling of the fractured zones around a blasthole. Computers and Geotechnics, 2020, 123, 103535.	2.3	26
12	Evolution of contact area and aperture during the shearing process of natural rock fractures. Engineering Geology, 2021, 291, 106236.	2.9	24
13	Effect of contact surface area on frictional behaviour of dry and saturated rock joints. Journal of Structural Geology, 2020, 135, 104044.	1.0	23
14	A new experimental approach to quantify microfractures in the Fracture Process Zone (FPZ) under various loading conditions. Engineering Geology, 2021, 283, 106024.	2.9	17
15	Evaluation of empirical approaches in estimating the deformation modulus of rock masses. Bulletin of Engineering Geology and the Environment, 2019, 78, 3493-3507.	1.6	13
16	Evaluation of air blast parameters in block cave mining using particle flow code. International Journal of Mining, Reclamation and Environment, 2019, 33, 87-101.	1.2	9
17	On assessing the tensile cracking pattern in brittle rocks and solids. Bulletin of Engineering Geology and the Environment, 2021, 80, 5867-5879.	1.6	7
18	Statistical analysis on the mechanical behaviour of non-persistent jointed rock masses using combined DEM and DFN. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Investigation into the effect of fault properties on wave transmission. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1741-1757.	1.7	5
20	The combined effect of fractures and mineral content on coal hydromechanical response. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	5
21	NUMERICAL STUDY OF THE FRACTURING MECHANISM AROUND A BLASTHOLE AND INVESTIGATING THE EFFECT OF DISCONTINUITIES ON THE FRACTURE PATTERN. Rudarsko Geolosko Naftni Zbornik, 2020, 35, 33-44.	0.2	0