

# Nima Babanouri

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

310  
citations

933447

10  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of asperity deformability on the mechanical behavior of rock joints. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 70, 154-161.	5.8	47
2	A hybrid particle swarm optimization and multi-layer perceptron algorithm for bivariate fractal analysis of rock fractures roughness. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2013, 60, 66-74.	5.8	41
3	Applying Optimized Support Vector Regression Models for Prediction of Tunnel Boring Machine Performance. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 2205-2217.	1.7	38
4	A coupled method to study blast wave propagation in fractured rock masses and estimate unknown properties. <i>Computers and Geotechnics</i> , 2013, 49, 134-142.	4.7	32
5	Modeling Spatial Structure of Rock Fracture Surfaces Before and After Shear Test: A Method for Estimating Morphology of Damaged Zones. <i>Rock Mechanics and Rock Engineering</i> , 2015, 48, 1051-1065.	5.4	30
6	Over-consolidation effect on shear behavior of rock joints. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2011, 48, 1283-1291.	5.8	27
7	Comparison of continuum-discontinuum approaches to stability evaluation of open pit slopes: introduction of new measure of instability. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	15
8	Feasibility of Monte Carlo simulation for predicting deformation modulus of rock mass. <i>Tunnelling and Underground Space Technology</i> , 2019, 89, 151-156.	6.2	14
9	An ANFISâ€“TLBO criterion for shear failure of rock joints. <i>Soft Computing</i> , 2020, 24, 4759-4773.	3.6	14
10	Constitutive modeling of rock fractures by improved support vector regression. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	13
11	Proposing Triangulation-Based Measures for Rock Fracture Roughness. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 1055-1061.	5.4	12
12	Investigating a potential reservoir landslide and suggesting its treatment using limit-equilibrium and numerical methods. <i>Journal of Mountain Science</i> , 2017, 14, 432-441.	2.0	10
13	Evaluating orthotropic continuum analysis of stress wave propagation through a jointed rock mass. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 725-733.	3.5	10
14	Modeling Blast-Induced Fragmentation of Jointed Rock Mass Using Voronoi Discrete-Element Method. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	6
15	Blast-Induced Rock Fragmentation in Wet Holes. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 743-752.	0.8	1