

Bangbiao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

519
citations

932766

10
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Support vector machines approach to mean particle size of rock fragmentation due to bench blasting prediction. Transactions of Nonferrous Metals Society of China, 2012, 22, 432-441.	1.7	106
2	An Experimental Study of Dynamic Tensile Failure of Rocks Subjected to Hydrostatic Confinement. Rock Mechanics and Rock Engineering, 2016, 49, 3855-3864.	2.6	82
3	Dynamic tensile failure of rocks under static pre-tension. International Journal of Rock Mechanics and Minings Sciences, 2015, 80, 12-18.	2.6	81
4	Dynamic rock tensile strengths of Laurentian granite: Experimental observation and micromechanical model. Journal of Rock Mechanics and Geotechnical Engineering, 2017, 9, 116-124.	3.7	48
5	Predicting pillar stability for underground mine using Fisher discriminant analysis and SVM methods. Transactions of Nonferrous Metals Society of China, 2011, 21, 2734-2743.	1.7	43
6	Determination of Dynamic Flexural Tensile Strength of Thermally Treated Laurentian Granite Using Semi-Circular Specimens. Rock Mechanics and Rock Engineering, 2016, 49, 3887-3898.	2.6	40
7	An experimental method to quantify the impact fatigue behavior of rocks. Measurement Science and Technology, 2014, 25, 075002.	1.4	21
8	Blasting vibration effect on the buried pipeline: A brief overview. Engineering Failure Analysis, 2021, 129, 105709.	1.8	20
9	Fracture Modes of Single-Flawed Rock-Like Material Plates Subjected to Dynamic Compression. International Journal of Geomechanics, 2020, 20, .	1.3	18
10	Influence of grain-to-particle size ratio on the tensile mechanical response of granite based on a novel three-dimensional grain-based model. Engineering Fracture Mechanics, 2022, 259, 108161.	2.0	14
11	Effect of water content on the mechanical properties of an artificial porous rock. Bulletin of Engineering Geology and the Environment, 2021, 80, 7669-7681.	1.6	10
12	Influence of freeze-thaw cycling on the dynamic compressive failure of rocks subjected to hydrostatic pressure. Bulletin of Engineering Geology and the Environment, 2022, 81, .	1.6	10
13	Dynamic tensile failure of Laurentian granite subjected to triaxial confinement. Geotechnique Letters, 2019, 9, 116-120.	0.6	8
14	A quasi-distributed monitoring method for ground settlement using pulse pre-pump Brillouin optical time domain analysis. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107284.	2.5	6
15	Theoretical modeling of the dynamic tensile response of Laurentian granite using the dominant crack algorithm. International Journal of Rock Mechanics and Minings Sciences, 2019, 123, 104077.	2.6	5
16	A Coupled Damage-Permeability Constitutive Model for Brittle Rocks Subjected to Explosive Loading. Advances in Civil Engineering, 2018, 2018, 1-9.	0.4	3
17	Influence of Discontinuities on Rock Failure under Blasting at Shuangjiangkou Hydropower Station. Shock and Vibration, 2021, 2021, 1-17.	0.3	1
18	Shear Response of Rough Rock Discontinuities Subjected to Impact Loading: Experimental Study and Theoretical Modelling. Lithosphere, 2022, 2022, .	0.6	1

#	ARTICLE	IF	CITATIONS
19	An Experimental Study on the Mechanical Characteristics of Sandstone-Like Material with Preset Filling Joints. Applied Mechanics and Materials, 2013, 353-356, 644-649.	0.2	0