

Guang-ming Zhao

List of Publications by Year in descending order

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32
papers

446
citations

758635

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713013

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33
all docs

33
docs citations

33
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Active canopy sensor-based precision N management strategy for rice. <i>Agronomy for Sustainable Development</i> , 2012, 32, 925-933.	2.2	106
2	Oxygen vacancies regulated microwave absorption properties of reduced graphene oxide/multi-walled carbon nanotubes/cerium oxide ternary nanocomposite. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152944.	2.8	49
3	Extraction, purification, and determination of the gastroprotective activity of glucomannan from <i>Bletilla striata</i> . <i>Carbohydrate Polymers</i> , 2020, 246, 116620.	5.1	28
4	Key technologies and engineering practices for soft-rock protective seam mining. <i>International Journal of Mining Science and Technology</i> , 2020, 30, 889-899.	4.6	27
5	Experimental investigation on failure process and spatio-temporal evolution of rockburst in granite with a prefabricated circular hole. <i>Journal of Central South University</i> , 2020, 27, 2930-2944.	1.2	25
6	Experimental investigation on synergetic prediction of granite rockburst using rock failure time and acoustic emission energy. <i>Journal of Central South University</i> , 2022, 29, 1262-1273.	1.2	20
7	Stress Distribution and Failure Characteristics for Workface Floor of a Tilted Coal Seam. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 3793-3806.	0.9	19
8	Multi-echelon support method to limit asymmetry instability in different lithology roadways under high ground stress. <i>Tunnelling and Underground Space Technology</i> , 2021, 108, 103681.	3.0	19
9	A damage-based constitutive model for rock under impacting load. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 505-511.	4.6	17
10	Optimizing the Extraction of Polysaccharides from <i>Bletilla ochracea</i> Schltr. Using Response Surface Methodology (RSM) and Evaluating their Antioxidant Activity. <i>Processes</i> , 2020, 8, 341.	1.3	17
11	Damage and fractal evolution trends of sandstones under constant-amplitude and tiered cyclic loading and unloading based on acoustic emission. <i>International Journal of Distributed Sensor Networks</i> , 2019, 15, 155014771986102.	1.3	16
12	Roadway Engineering Mechanical Properties and Roadway Structural Instability Mechanisms in Deep Wells. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1954-1966.	0.9	15
13	Experimental research on the structural instability mechanism and the effect of multi-echelon support of deep roadways in a kilometre-deep well. <i>PLoS ONE</i> , 2018, 13, e0192470.	1.1	13
14	Failure Characteristics and Confined Permeability of an Inclined Coal Seam Floor in Fluid-Solid Coupling. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-12.	0.4	12
15	Similar simulation device for unloading effect of deep roadway excavation and its application. <i>Journal of Mountain Science</i> , 2018, 15, 1115-1128.	0.8	10
16	Researches of fracture evolution induced by soft rock protective seam mining and an omni-directional stereo pressure-relief gas extraction technical system: a case study. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	9
17	Mining-Induced Pressure-Relief Mechanism of Coal-Rock Mass for Different Protective Layer Mining Modes. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-15.	1.0	7
18	Energy Analysis Method for Uniaxial Compression Test of Sandstone under Static and Quasi-Dynamic Loading Rates. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-11.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Creep Mechanics of the High-Stress Soft Rock under Grade Unloading. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-12.	0.4	4
20	Dynamic Mechanical Characteristics of Fractured Rock Reinforced by Different Grouts. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-14.	0.4	4
21	Appropriate Dynamically-Reinforced Supporting Time Determination in Relation to the Time Effect of Stress Field Evolution: A Case Study on the Deep Soft-Rock Roadway in China. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 1041-1052.	0.8	3
22	Experiment and Applications of Dynamic Constitutive Model of Tensile and Compression Damage of Sandstones. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-13.	1.0	3
23	Research and Performance Test of New Full-Length Anchorage Material. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-11.	1.0	3
24	Energy Evolution Law and Fractal Characteristics of Different Rock Specimen Sizes on Dynamic Compression. <i>Geofluids</i> , 2022, 2022, 1-10.	0.3	3
25	Stress and load-bearing structure analysis of the surrounding rock in a soft broken roadway. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	2
26	Sensitivity analysis of overburden water-resistant strata stability based on the mechanical properties of backfill body. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	2
27	Effects of Unloading Rate on Energy Evolution Mechanism in the Single-Side Unloading Failure of Highly Stressed Marble. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-11.	0.4	2
28	Analysis on Characteristics of Surrounding Rocks of Roadway and Bearing Structure Based on Stress Regulation. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-18.	0.4	2
29	Application of Reproducing Kernel Particle Method in an Analysis of Elasto-plastic Deformation Under Taylor Impact. <i>Mining Science and Technology</i> , 2006, 16, 485-489.	0.8	1
30	Researches on Crack Propagation of the Two Filled Noncoalescent Coplanar Flaws under the High Strain Rate Loading by means of AUTODYN-Based Simulation. <i>Geofluids</i> , 2020, 2020, 1-10.	0.3	1
31	Evolution Mechanism of Deformation and Failure of Surrounding Rock during Excavation and Unloading of the High-Stress Rock Mass. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-14.	0.4	1
32	Experimental Study on Mechanical Properties and Energy Dissipation of Gas Coal under Dynamic and Static Loads. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-14.	0.4	1