

Wensong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

497
citations

687363

13
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

263
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of the mechanical features of layered structures in dam tailings from macroscopic and microscopic points of view. <i>Engineering Geology</i> , 2015, 195, 142-154.	6.3	44
2	Three-dimensional visualization of the evolution of pores and fractures in reservoir rocks under triaxial stress. <i>Powder Technology</i> , 2021, 378, 585-592.	4.2	41
3	Three-dimensional physical model experiment of mining-induced deformation and failure characteristics of roof and floor in deep underground coal seams. <i>Chemical Engineering Research and Design</i> , 2021, 150, 400-415.	5.6	41
4	Improved box-counting methods to directly estimate the fractal dimension of a rough surface. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 177, 109303.	5.0	40
5	Utilizing gold mine tailings to produce sintered bricks. <i>Construction and Building Materials</i> , 2021, 282, 122655.	7.2	35
6	Experimental study of shear wave velocity in unsaturated tailings soil with variant grain size distribution. <i>Construction and Building Materials</i> , 2019, 228, 116744.	7.2	29
7	Numerical simulation of hydraulic fracturing based on two-dimensional surface fracture morphology reconstruction and combined finite-discrete element method. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 82, 103479.	4.4	26
8	Experimental study on the mechanism effect of seepage on microstructure of tailings. <i>Safety Science</i> , 2012, 50, 792-796.	4.9	21
9	Experimental Study of Dynamic Characteristics of Tailings With Different Reconsolidation Degrees After Liquefaction. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	21
10	Influence of long-term CH ₄ and CO ₂ treatment on the pore structure and mechanical strength characteristics of Bajijiao coal. <i>Energy</i> , 2022, 242, 122986.	8.8	20
11	Uniaxial compression test of frozen tailings. <i>Cold Regions Science and Technology</i> , 2016, 129, 60-68.	3.5	18
12	Particle shape analysis of tailings using digital image processing. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26397-26403.	5.3	18
13	Erosion Failure of a Soil Slope by Heavy Rain: Laboratory Investigation and Modified GA Model of Soil Slope Failure. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1075.	2.6	18
14	The pixel crack reconstruction method: From fracture image to crack geological model for fracture evolution simulation. <i>Construction and Building Materials</i> , 2021, 273, 121733.	7.2	17
15	Experimental study on static and dynamic mechanical properties of phosphogypsum. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17468-17481.	5.3	14
16	Effects of Freeze-Thaw Cycles on Strength and Wave Velocity of Lime-Stabilized Basalt Fiber-Reinforced Loess. <i>Polymers</i> , 2022, 14, 1465.	4.5	12
17	The Effect of Grain Size on the Hydrodynamics of Mudflow Surge from a Tailings Dam-Break. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2474.	2.5	11
18	Experimental Investigation of sample preparation and grouting technology on microbially reinforced tailings. <i>Construction and Building Materials</i> , 2021, 312, 125458.	7.2	9

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of the mechanical characteristics and energy dissipation of gas-containing coal under incremental tiered cyclic loading. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	8
20	Experimental Study of Mesostructure Deformation Characteristics of Unsaturated Tailings with Different Moisture Content. <i>Water (Switzerland)</i> , 2021, 13, 15.	2.7	8
21	Shearing resistance of tailing sand waste pollutants mixed with different contents of fly ash. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8046-8057.	5.3	6
22	Study on Hydraulic Incipient Motion Model of Reinforced Tailings. <i>Water (Switzerland)</i> , 2021, 13, 2033.	2.7	6
23	Pile damage identification method for high-pile wharfs based on axial static strain distribution. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 180, 109607.	5.0	6
24	Tailings Dam Break: The Influence of Slurry with Different Concentrations Downstream. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	6
25	Loading Capacity and Deformation Characteristics of Tailings Based on a Fractal Geometrical Analysis of the Particle Microstructure. <i>Minerals (Basel, Switzerland)</i> , 2015, 5, 86-103.	2.0	5
26	Improvement Effect of Reticular Glass Fibers on the Mechanical Properties of Tailings Sand with the Lenticle (Layered Sandy Soil). <i>Water (Switzerland)</i> , 2021, 13, 1379.	2.7	4
27	Laboratory experimental study of the evaporation and mechanical behaviour of deposited tailings. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67565-67576.	5.3	4
28	Experimental study on the mechanical properties of polymer-treated tailings. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	4
29	Risk Evolution Study of Tailings Dam Failures Disaster Based on DEMATEL-MISM. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	3
30	Experimental study on the affecting factors of the shear strength of unsaturated tailings. , 2011, , .		2