Tianhong Yang

List of Publications by Year
in descending order

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52	770	516710 16	580821 25
papers	citations	h-index	g-index

53	53	53	691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability Evaluation of Multi-pillar and Roof System Based on Instability Theory. Rock Mechanics and Rock Engineering, 2022, 55, 1461-1480.	5.4	7
2	Nanoindentation-based characterization of micromechanical properties of greenish mudstone from deep Fushun West open-pit mine (Fushun city, China). Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	2.9	3
3	Investigation on the reinforcement effect of a bedding slope affected by a landsliding block. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	2
4	Optimum Selection of Mining Plans for Pillars Containing Interlayers Based on Numerical Simulation. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	0
5	An automatic P-wave onset time picking method for mining-induced microseismic data based on long short-term memory deep neural network. Geomatics, Natural Hazards and Risk, 2022, 13, 908-933.	4.3	6
6	A prediction model for surface deformation caused by underground mining based on spatio-temporal associations. Geomatics, Natural Hazards and Risk, 2022, 13, 94-122.	4.3	4
7	Geostatistics-block-based characterization of heterogeneous rock mass and its application on ultimate pit limit optimization: a case study. Bulletin of Engineering Geology and the Environment, 2021, 80, 1683-1700.	3.5	3
8	Stope structure evaluation based on the damage model driven by microseismic data and Mathews stability diagram method in Xiadian Gold Mine. Geomatics, Natural Hazards and Risk, 2021, 12, 1616-1637.	4.3	6
9	A hybrid recognition model of microseismic signals for underground mining based on CNN and LSTM networks. Geomatics, Natural Hazards and Risk, 2021, 12, 2803-2834.	4.3	12
10	Characterization and prediction of soil organic matter content in reclaimed mine soil using visible and near-infrared diffuse spectroscopy. Arid Land Research and Management, 2021, 35, 276-291.	1.6	2
11	Experimental Investigation of Water-Sand Mixed Fluid Initiation and Migration in Filling Fracture Network during Water Inrush. Advances in Civil Engineering, 2021, 2021, 1-20.	0.7	1
12	Numerical Simulation of Non-Darcy Flow Caused by Cross-Fracture Water Inrush, Considering Particle Loss. Mine Water and the Environment, 2021, 40, 466-478.	2.0	9
13	A Shear Model for Rock Microfracture Size Estimation Based on AE Measurement. Rock Mechanics and Rock Engineering, 2021, 54, 2533-2546.	5.4	3
14	Numerical characterization of slope rock mass through considerations of hydraulic and mechanical properties. Landslides, 2021, 18, 2465-2481.	5.4	1
15	Assessment of the rock slope stability of Fushun West Open-pit Mine. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	9
16	Rock landslide early warning system combining slope stability analysis, two-stage monitoring, and case-based reasoning: a case study. Bulletin of Engineering Geology and the Environment, 2021, 80, 8433-8451.	3.5	9
17	Instability Mechanism of Pillar Burst in Asymmetric Mining Based on Cusp Catastrophe Model. Rock Mechanics and Rock Engineering, 2021, 54, 1463-1479.	5.4	19
18	Applicability of Anisotropic Failure Criteria and Associated Application with Layered Rocks. Advances in Civil Engineering, 2021, 2021, 1-21.	0.7	2

#	Article	IF	Citations
19	A Coupled Nonlinear Flow Model for Particle Migration and Seepage Properties of Water Inrush through Broken Rock Mass. Geofluids, 2020, 2020, 1-14.	0.7	10
20	Precise Topographic Model Assisted Slope Displacement Retrieval from Small Baseline Subsets Results: Case Study over a High and Steep Mining Slope. Sensors, 2020, 20, 6674.	3.8	3
21	A 3D synthetic rock mass numerical method for characterizations of rock mass and excavation damage zone near tunnels. Bulletin of Engineering Geology and the Environment, 2020, 79, 5615-5629.	3.5	4
22	Spatial Variability and Time Decay of Rock Mass Mechanical Parameters: A Landslide Study in the Dagushan Open-Pit Mine. Rock Mechanics and Rock Engineering, 2020, 53, 3031-3053.	5.4	12
23	Experimental Investigation on Non-Darcy Flow Behavior of Granular Limestone with Different Porosity. Journal of Hydrologic Engineering - ASCE, 2020, 25, 06020004.	1.9	13
24	Numerical calculation and multi-factor analysis of slurry diffusion in an inclined geological fracture. Hydrogeology Journal, 2020, 28, 1107-1124.	2.1	18
25	Numerical Modeling on Anisotropy of Seepage and Stress Fields of Stratified Rock Slope. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	2
26	Movement Law and Discriminant Method of Key Strata Breakage Based on Microseismic Monitoring. Shock and Vibration, 2019, 2019, 1-19.	0.6	4
27	Impact of Particle-Size Distribution on Flow Properties of a Packed Column. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	16
28	Numerical investigation on a grouting mechanism with slurry-rock coupling and shear displacement in a single rough fracture. Bulletin of Engineering Geology and the Environment, 2019, 78, 6159-6177.	3.5	68
29	Method for Generating a Discrete Fracture Network from Microseismic Data and its Application in Analyzing the Permeability of Rock Masses: a Case Study. Rock Mechanics and Rock Engineering, 2019, 52, 3133-3155.	5.4	30
30	Cooperative monitoring and numerical investigation on the stability of the south slope of the Fushun west open-pit mine. Bulletin of Engineering Geology and the Environment, 2019, 78, 2409-2429.	3.5	22
31	Numerical simulation of the free surface and water inflow of a slope, considering the nonlinear flow properties of gravel layers: a case study. Royal Society Open Science, 2018, 5, 172109.	2.4	7
32	Study of the Rock Mass Failure Process and Mechanisms During the Transformation from Open-Pit to Underground Mining Based on Microseismic Monitoring. Rock Mechanics and Rock Engineering, 2018, 51, 1473-1493.	5.4	39
33	Mechanical and energy release characteristics of different water-bearing sandstones under uniaxial compression. International Journal of Damage Mechanics, 2018, 27, 640-656.	4.2	37
34	Longwall Miningâ€“Induced Damage and Fractures: Field Measurements and Simulation Using FDM and DEM Coupled Method. International Journal of Geomechanics, 2018, 18, .	2.7	26
35	Numerical Modeling of Non-Darcy Flow Behavior of Groundwater Outburst through Fault Using the Forchheimer Equation. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	1.9	34
36	Rock Stability Assessment Based on the Chronological Order of the Characteristic Acoustic Emission Phenomena. Shock and Vibration, 2018, 2018, 1-10.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Three-Dimensional Numerical Investigation of Coupled Flow-Stress-Damage Failure Process in Heterogeneous Poroelastic Rocks. Energies, 2018, 11, 1923.	3.1	12
38	Experimental Study on Acoustic Emission of Weakly Cemented Sandstone considering Bedding Angle. Shock and Vibration, 2018, 2018, 1-12.	0.6	8
39	Slope failure analysis considering anisotropic characteristics of foliated rock masses. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	10
40	A Study of Water-Inrush Mechanisms Based on Geo-Mechanical Analysis and an In-situ Groundwater Investigation in the Zhongguan Iron Mine, China. Mine Water and the Environment, 2017, 36, 409-417.	2.0	24
41	Theoretical investigation of deformation characteristics of stratified rocks considering geometric and mechanical variability. Geosciences Journal, 2017, 21, 213-222.	1.2	7
42	A Digital Image-Based Discrete Fracture Network Model and Its Numerical Investigation of Direct Shear Tests. Rock Mechanics and Rock Engineering, 2017, 50, 1801-1816.	5.4	24
43	Experimental Investigation of Flow Domain Division in Beds Packed with Different Sized Particles. Energies, 2017, 10, 1401.	3.1	15
44	A New Approach of Waveform Interpretation Applied in Nondestructive Testing of Defects in Rock Bolts Based on Mode Identification. Mathematical Problems in Engineering, 2017, 2017, 1-13.	1.1	7
45	Mechanism of Surrounding Rock Failure and Crack Evolution Rules in Branched Pillar Recovery. Minerals (Basel, Switzerland), 2017, 7, 96.	2.0	11
46	Study of a Seepage Channel Formation Using the Combination of Microseismic Monitoring Technique and Numerical Method in Zhangmatun Iron Mine. Rock Mechanics and Rock Engineering, 2016, 49, 3699-3708.	5.4	30
47	Numerical Modeling of Jointed Rock Under Compressive Loading Using X-ray Computerized Tomography. Rock Mechanics and Rock Engineering, 2016, 49, 877-891.	5.4	36
48	Numerical analysis on scale effect of elasticity, strength and failure patterns of jointed rock masses. Geosciences Journal, 2016, 20, 539-549.	1.2	39
49	A comparative study of hydraulic fracturing with various boreholes in coal seam. Geosciences Journal, 2015, 19, 489-502.	1.2	10
50	Deformational behavior of underground opening using a stress-seepage coupled model considering anisotropic characteristics. Arabian Journal of Geosciences, 2015, 8, 6635-6642.	1.3	9
51	Microseismicity Induced by Fault Activation During the Fracture Process of a Crown Pillar. Rock Mechanics and Rock Engineering, 2015, 48, 1673-1682.	5.4	42
52	Rheological Characteristics of Weak Rock Mass and Effects on the Long-Term Stability of Slopes. Rock Mechanics and Rock Engineering, 2014, 47, 2253-2263.	5.4	36