Tianhong Yang

List of Publications by Year
in descending order

52 papers	770 citations	516710 16 h-index	580821 25 g-index
53 all docs	53 docs citations	53 times ranked	691 citing authors

#	Article	IF	Citations
1	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
2	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
3	Numerical analysis on scale effect of elasticity, strength and failure patterns of jointed rock masses. Geosciences Journal, 2016, 20, 539-549.	1.2	39
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Longwall Mining–Induced Damage and Fractures: Field Measurements and Simulation Using FDM and DEM Coupled Method. International Journal of Geomechanics, 2018, 18, .	2.7	26
12	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
13	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
14	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
15	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
16	Numerical calculation and multi-factor analysis of slurry diffusion in an inclined geological fracture. Hydrogeology Journal, 2020, 28, 1107-1124.	2.1	18
17	Impact of Particle-Size Distribution on Flow Properties of a Packed Column. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	16
18	Experimental Investigation of Flow Domain Division in Beds Packed with Different Sized Particles. Energies, 2017, 10, 1401.	3.1	15

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19	Experimental Investigation on Non-Darcy Flow Behavior of Granular Limestone with Different Porosity. Journal of Hydrologic Engineering - ASCE, 2020, 25, 06020004.	1.9	13
20	Three-Dimensional Numerical Investigation of Coupled Flow-Stress-Damage Failure Process in Heterogeneous Poroelastic Rocks. Energies, 2018, 11, 1923.	3.1	12
21	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
22	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
23	Mechanism of Surrounding Rock Failure and Crack Evolution Rules in Branched Pillar Recovery. Minerals (Basel, Switzerland), 2017, 7, 96.	2.0	11
24	A comparative study of hydraulic fracturing with various boreholes in coal seam. Geosciences Journal, 2015, 19, 489-502.	1.2	10
25	Slope failure analysis considering anisotropic characteristics of foliated rock masses. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	10
26	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
27	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
28	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
29	Assessment of the rock slope stability of Fushun West Open-pit Mine. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	9
30	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
31	Experimental Study on Acoustic Emission of Weakly Cemented Sandstone considering Bedding Angle. Shock and Vibration, 2018, 2018, 1-12.	0.6	8
32	Theoretical investigation of deformation characteristics of stratified rocks considering geometric and mechanical variability. Geosciences Journal, 2017, 21, 213-222.	1.2	7
33	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
34	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
35	Stability Evaluation of Multi-pillar and Roof System Based on Instability Theory. Rock Mechanics and Rock Engineering, 2022, 55, 1461-1480.	5.4	7
36	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

#	Article	IF	Citations
37	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
38	Rock Stability Assessment Based on the Chronological Order of the Characteristic Acoustic Emission Phenomena. Shock and Vibration, 2018, 2018, 1-10.	0.6	5
39	Movement Law and Discriminant Method of Key Strata Breakage Based on Microseismic Monitoring. Shock and Vibration, 2019, 2019, 1-19.	0.6	4
40	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
41	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
42	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
43	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
44	A Shear Model for Rock Microfracture Size Estimation Based on AE Measurement. Rock Mechanics and Rock Engineering, 2021, 54, 2533-2546.	5.4	3
45	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
46	Numerical Modeling on Anisotropy of Seepage and Stress Fields of Stratified Rock Slope. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	2
47	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
48	Applicability of Anisotropic Failure Criteria and Associated Application with Layered Rocks. Advances in Civil Engineering, 2021, 2021, 1-21.	0.7	2
49	Investigation on the reinforcement effect of a bedding slope affected by a landsliding block. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	2
50	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
51	Numerical characterization of slope rock mass through considerations of hydraulic and mechanical properties. Landslides, 2021, 18, 2465-2481.	5.4	1
52	Optimum Selection of Mining Plans for Pillars Containing Interlayers Based on Numerical Simulation. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	0