Shucai Li

List of Publications by Year
in descending order

176	4,582	109137	149479
papers	citations	35	56
		h-index	g-index

176	176	176	2358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An overview of ahead geological prospecting in tunneling. Tunnelling and Underground Space Technology, 2017, 63, 69-94.	3.0	255
2	Protection against water or mud inrush in tunnels by grouting: A review. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 753-766.	3.7	187
3	Experimental study on performance of cement-based grouts admixed with fly ash, bentonite, superplasticizer and water glass. Construction and Building Materials, 2018, 161, 282-291.	3.2	116
4	Time-Dependent Behavior of Diabase and a Nonlinear Creep Model. Rock Mechanics and Rock Engineering, 2014, 47, 1211-1224.	2.6	114
5	Comparative study of model tests on automatically formed roadway and gob-side entry driving in deep coal mines. International Journal of Mining Science and Technology, 2021, 31, 591-601.	4.6	108
6	Fatigue Behavior of Granite Subjected to Cyclic Loading Under Triaxial Compression Condition. Rock Mechanics and Rock Engineering, 2013, 46, 1603-1615.	2.6	95
7	Risk assessment of water inrush in karst tunnels excavation based on normal cloud model. Bulletin of Engineering Geology and the Environment, 2019, 78, 3783-3798.	1.6	91
8	Large-scale geomechanical model testing of an underground cavern group in a true three-dimensional (3-D) stress state. Canadian Geotechnical Journal, 2010, 47, 935-946.	1.4	90
9	Effect of different gypsums on the workability and mechanical properties of red mud-slag based grouting materials. Journal of Cleaner Production, 2020, 245, 118759.	4.6	89
10	Grouting rock fractures with cement and sodium silicate grout. Carbonates and Evaporites, 2018, 33, 211-222.	0.4	87
11	Analysis of factors influencing tunnel deformation in loess deposits by data mining: A deformation prediction model. Engineering Geology, 2018, 232, 94-103.	2.9	85
12	Detecting and monitoring of water inrush in tunnels and coal mines using direct current resistivity method: A review. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 469-478.	3.7	84
13	An interval risk assessment method and management of water inflow and inrush in course of karst tunnel excavation. Tunnelling and Underground Space Technology, 2019, 92, 103033.	3.0	82
14	Analysis on the Precursor Information of Water Inrush in Karst Tunnels: A True Triaxial Model Test Study. Rock Mechanics and Rock Engineering, 2019, 52, 373-384.	2.6	80
15	Risk assessment of water inrush in karst tunnels and software development. Arabian Journal of Geosciences, 2015, 8, 1843-1854.	0.6	73
16	Unascertained measure model of water and mud inrush risk evaluation in karst tunnels and its engineering application. KSCE Journal of Civil Engineering, 2017, 21, 1170-1182.	0.9	71
17	An Attribute Synthetic Evaluation System for Risk Assessment of Floor Water Inrush in Coal Mines. Mine Water and the Environment, 2015, 34, 288-294.	0.9	69
18	Investigation on fundamental properties of microfine cement and cement-slag grouts. Construction and Building Materials, 2017, 153, 965-974.	3.2	58

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19	Water and mud inrush hazard in underground engineering: Genesis, evolution and prevention. Tunnelling and Underground Space Technology, 2021, 114, 103987.	3.0	52
20	Investigation and practical application of a new cementitious anti-washout grouting material. Construction and Building Materials, 2019, 224, 66-77.	3.2	50
21	Prediction of rock burst in underground caverns based on rough set and extensible comprehensive evaluation. Bulletin of Engineering Geology and the Environment, 2019, 78, 417-429.	1.6	50
22	Predicting geological hazards during tunnel construction. Journal of Rock Mechanics and Geotechnical Engineering, 2010, 2, 232-242.	3.7	49
23	Three-dimensional Modeling of Transient Electromagnetic Responses of Water-bearing Structures in Front of a Tunnel Face. Journal of Environmental and Engineering Geophysics, 2014, 19, 13-32.	1.0	46
24	Forward modelling and imaging of ground‐penetrating radar in tunnel ahead geological prospecting. Geophysical Prospecting, 2018, 66, 784-797.	1.0	46
25	A deterministic-stochastic identification and modelling method of discrete fracture networks using laser scanning: Development and case study. Engineering Geology, 2019, 262, 105310.	2.9	46
26	An application of hydraulic tomography to a deep coal mine: Combining traditional pumping tests with water inrush incidents. Journal of Hydrology, 2018, 567, 1-11.	2.3	43
27	A multi-factor comprehensive risk assessment method of karst tunnels and its engineering application. Bulletin of Engineering Geology and the Environment, 2019, 78, 1761-1776.	1.6	43
28	Numerical simulation of dynamic water grouting using quick-setting slurry in rock fracture: the Sequential Diffusion and Solidification (SDS) method. Computers and Geotechnics, 2020, 122, 103497.	2.3	43
29	Feasibility study of red mud for geopolymer preparation: effect of particle size fraction. Journal of Material Cycles and Waste Management, 2020, 22, 1328-1338.	1.6	43
30	Experimental and numerical investigations on mechanical property and reinforcement effect of bolted jointed rock mass. Construction and Building Materials, 2016, 126, 843-856.	3.2	41
31	Three-Dimensional Seismic Ahead-Prospecting Method and Application in TBM Tunneling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	40
32	Experimental and numerical study of the water inrush mechanisms of underground tunnels due to the proximity of a water-filled karst cavern. Bulletin of Engineering Geology and the Environment, 2019, 78, 6207-6219.	1.6	40
33	Properties of red mud blended with magnesium phosphate cement paste: Feasibility of grouting material preparation. Construction and Building Materials, 2020, 260, 119704.	3.2	40
34	Multi-component and multi-array TEM detection in karst tunnels. Journal of Geophysics and Engineering, 2012, 9, 359-373.	0.7	38
35	Assessment of Hydro-Mechanical Behavior of a Granite Rock Mass for a Pilot Underground Crude Oil Storage Facility in China. Rock Mechanics and Rock Engineering, 2015, 48, 2459-2472.	2.6	38
36	The Practice of Forward Prospecting of Adverse Geology Applied to Hard Rock TBM Tunnel Construction: The Case of the Songhua River Water Conveyance Project in the Middle of Jilin Province. Engineering, 2018, 4, 131-137.	3.2	38

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37	Application of comprehensive prediction method of water inrush hazards induced by unfavourable geological body in high risk karst tunnel: a case study. Geomatics, Natural Hazards and Risk, 2017, 8, 1407-1423.	2.0	37
38	Numerical Study on Crack Propagation in Brittle Jointed Rock Mass Influenced by Fracture Water Pressure. Materials, 2015, 8, 3364-3376.	1.3	36
39	Properties of Cement-Based Grouts with High Amounts of Ground Granulated Blast-Furnace Slag and Fly Ash. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	34
40	Research on reasonable coal pillar width of roadway driven along goaf in deep mine. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	34
41	Mud inrush flow mechanisms: a case study in a water-rich fault tunnel. Bulletin of Engineering Geology and the Environment, 2019, 78, 6267-6283.	1.6	34
42	Application of the comprehensive forecast system for water-bearing structures in a karst tunnel: a case study. Bulletin of Engineering Geology and the Environment, 2019, 78, 357-373.	1.6	33
43	Feasibility study of red mud-blast furnace slag based geopolymeric grouting material: Effect of superplasticizers. Construction and Building Materials, 2021, 267, 120910.	3.2	33
44	A new slice-based method for calculating the minimum safe thickness for a filled-type karst cave. Bulletin of Engineering Geology and the Environment, 2020, 79, 1097-1111.	1.6	32
45	China starts the world's hardest "Sky-High Road" project: Challenges and countermeasures for Sichuan-Tibet railway. Innovation(China), 2021, 2, 100105.	5.2	32
46	Flow Characteristics and Escape-Route Optimization after Water Inrush in a Backward-Excavated Karst Tunnel. International Journal of Geomechanics, 2017, 17, .	1.3	31
47	Mechanics Criterion of Water Inrush from the Coal Floor under Influence of Fault and Its Engineering Application. International Journal of Geomechanics, 2019, 19, 04019022.	1.3	31
48	An interval fuzzy comprehensive assessment method for rock burst in underground caverns and its engineering application. Bulletin of Engineering Geology and the Environment, 2019, 78, 5161-5176.	1.6	31
49	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.	2.6	30
50	Experimental and numerical investigations on the shear behavior of a jointed rock mass. Geosciences Journal, 2016, 20, 371-379.	0.6	30
51	A new 3D observation system designed for a seismic ahead prospecting method in tunneling. Bulletin of Engineering Geology and the Environment, 2018, 77, 1547-1565.	1.6	30
52	Water inrush risk assessment for an undersea tunnel crossing a fault: An analytical model. Marine Georesources and Geotechnology, 2019, 37, 816-827.	1.2	30
53	Performance of typical cement suspension-sodium silicate double slurry grout. Construction and Building Materials, 2019, 200, 408-419.	3.2	29
54	A risk prediction method for water or mud inrush from water-bearing faults in subsea tunnel based on cusp catastrophe model. KSCE Journal of Civil Engineering, 2017, 21, 2607-2614.	0.9	28

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55	Water Inflow Prediction during Heavy Rain While Tunneling through Karst Fissured Zones. International Journal of Geomechanics, 2019, 19, .	1.3	28
56	Sensitivity Analysis of Loess Stability to Physical and Mechanical Properties: Assessment Model. International Journal of Geomechanics, 2019, 19, .	1.3	28
57	Influence of extreme high-temperature environment and hydration time on the rheology of cement slurry. Construction and Building Materials, 2021, 295, 123684.	3.2	27
58	Mechanical behaviour of a large-span double-arch tunnel. KSCE Journal of Civil Engineering, 2016, 20, 2737-2745.	0.9	26
59	Field, experimental, and numerical investigation of a rockfall above a tunnel portal in southwestern China. Bulletin of Engineering Geology and the Environment, 2018, 77, 1365-1382.	1.6	26
60	A possible prediction method to determine the top concealed karst cave based on displacement monitoring during tunnel construction. Bulletin of Engineering Geology and the Environment, 2019, 78, 341-355.	1.6	26
61	Experimental observation and numerical investigation on propagation and coalescence process of multiple flaws in rock-like materials subjected to hydraulic pressure and far-field stress. Theoretical and Applied Fracture Mechanics, 2020, 108, 102603.	2.1	26
62	Estimation of in situ viscoelastic parameters of a weak rock layer by time-dependent plate-loading tests. International Journal of Rock Mechanics and Minings Sciences, 2014, 66, 169-176.	2.6	24
63	Geo-mechanical Model Testing for Stability of Underground Gas Storage in Halite During the Operational Period. Rock Mechanics and Rock Engineering, 2016, 49, 2795-2809.	2.6	24
64	Investigation of viscous behaviour and strength of microfine-cement-based grout mixed with microfine fly ash and superplasticiser. Advances in Cement Research, 2017, 29, 206-215.	0.7	24
65	Stability monitoring of surrounding rock mass on a forked tunnel using both strain gauges and FBG sensors. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107449.	2.5	24
66	Development of a Novel Triaxial Rock Testing Method Based on Biaxial Test Apparatus and Its Application. Rock Mechanics and Rock Engineering, 2021, 54, 1597-1607.	2.6	24
67	The control effect of surrounding rock with different combinations of the bolt anchoring lengths and pre-tightening forces in underground engineering. Environmental Earth Sciences, 2018, 77, 1.	1.3	23
68	Slope stability analysis and protection measures in bridge and tunnel engineering: a practical case study from Southwestern China. Bulletin of Engineering Geology and the Environment, 2019, 78, 3305-3321.	1.6	23
69	Structural Stability Monitoring of a Physical Model Test on an Underground Cavern Group during Deep Excavations Using FBG Sensors. Sensors, 2015, 15, 21696-21709.	2.1	22
70	An enriched K-means clustering method for grouping fractures with meliorated initial centers. Arabian Journal of Geosciences, 2015, 8, 1881-1893.	0.6	22
71	Numerical analysis of gas-liquid two-phase flow after water inrush from the working face during tunnel excavation in a karst region. Bulletin of Engineering Geology and the Environment, 2019, 78, 2973-3010.	1.6	22
72	Using Indirect Testing Methods to Quickly Acquire the Rock Strength and Rock Mass Classification in Tunnel Engineering. International Journal of Geomechanics, 2020, 20, .	1.3	22

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73	Feasibility study on grouting material prepared from red mud and metallurgical wastewater based on synergistic theory. Journal of Hazardous Materials, 2021, 407, 124358.	6.5	22
74	An experimental investigation on mechanical property and anchorage effect of bolted jointed rock mass. Geosciences Journal, 2017, 21, 253-265.	0.6	21
75	Deformation rule and mechanical characteristic analysis of subsea tunnel crossing weathered trough. Tunnelling and Underground Space Technology, 2021, 114, 103989.	3.0	21
76	Assessing containment properties of underground oil storage caverns: methods and a case study. Geosciences Journal, 2017, 21, 579-593.	0.6	20
77	Rock-Cutting Mechanics Model and Its Application Based on Slip-Line Theory. International Journal of Geomechanics, 2018, 18, .	1.3	20
78	Analysis of Factors Influencing Floor Water Inrush in Coal Mines: A Nonlinear Fuzzy Interval Assessment Method. Mine Water and the Environment, 2019, 38, 81-92.	0.9	20
79	Effects of fly and coal bottom ash ratio on backfill material performance. Construction and Building Materials, 2022, 319, 125831.	3.2	20
80	Application of extenics theory for evaluating effect degree of damaged mountains based on analytic hierarchy process. Environmental Earth Sciences, 2014, 71, 4463-4471.	1.3	19
81	Experimental Study on the Reinforcement Mechanism of Segmented Split Grouting in a Soft Filling Medium. Processes, 2018, 6, 131.	1.3	19
82	Parameters Optimization of Curtain Grouting Reinforcement Cycle in Yonglian Tunnel and Its Application. Mathematical Problems in Engineering, 2015, 2015, 1-15.	0.6	18
83	Characterization of shallow karst using electrical resistivity imaging in a limestone mining area. Environmental Earth Sciences, 2017, 76, 1.	1.3	18
84	A modified initial in-situ Stress Inversion Method based on FLAC3D with an engineering application. Open Geosciences, 2015, 7, .	0.6	17
85	Reverse Time Migration of Seismic Forward-Prospecting Data in Tunnels Based on Beamforming Methods. Rock Mechanics and Rock Engineering, 2019, 52, 3261-3278.	2.6	17
86	New Modified Model for Estimating the Peak Shear Strength of Rock Mass Containing Nonconsecutive Joint Based on a Simulated Experiment. International Journal of Geomechanics, 2020, 20, .	1.3	17
87	Numerical investigation of hydraulic tomography for mapping karst conduits and its connectivity. Engineering Geology, 2021, 281, 105967.	2.9	17
88	Study on Major Construction Disasters and Controlling Technology at the Qingdao Kiaochow Bay Subsea Tunnel. Journal of Coastal Research, 2015, 73, 403-409.	0.1	16
89	Modeling and Experimental Study of Mechanical Properties of Confined Concrete Arch in Complicated Deep Underground Engineering. International Journal of Geomechanics, 2017, 17, .	1.3	16
90	Development of an Optimum Forepole Spacing (OFS) determination method for tunnelling in silty clay with a case study. Tunnelling and Underground Space Technology, 2018, 74, 20-32.	3.0	16

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91	Using a Pressurized Shield to Increase Face Stability of Circular Tunnels in Purely Cohesive Soil. International Journal of Geomechanics, 2018, 18, .	1.3	16
92	Model test on failure and control mechanism of surrounding rocks in tunnels with super large sections. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	16
93	Influence of the bleeding characteristic on density and rheology in cement slurry. Construction and Building Materials, 2021, 269, 121316.	3.2	16
94	A new evaluation method for site selection of large underground water-sealed petroleum storage depots. Science China Technological Sciences, 2015, 58, 967-978.	2.0	15
95	Effects of embankment height and vehicle loads on traffic-load-induced cumulative settlement of soft clay subsoil. Arabian Journal of Geosciences, 2015, 8, 2487-2496.	0.6	15
96	Assessment of electrical resistivity imaging for pre-tunneling geological characterization â€" A case study of the Qingdao R3 metro line tunnel. Journal of Applied Geophysics, 2018, 153, 38-46.	0.9	15
97	Transient Analysis of Grout Penetration With Time-Dependent Viscosity Inside 3D Fractured Rock Mass by Unified Pipe-Network Method. Water (Switzerland), 2018, 10, 1122.	1.2	15
98	Assessment of a Concealed Karst Caveâ€™s Influence on Karst Tunnel Stability: A Case Study of the Huaguoshan Tunnel, China. Sustainability, 2018, 10, 2132.	1.6	15
99	Rock burst risk assessment in deep-buried underground caverns: a novel analysis method. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	15
100	Model Test Study on Spatial Deformation Law of Surrounding Rock for Super-Large Section and Shallow Buried Tunnels. Geotechnical Testing Journal, 2019, 42, 20170243.	0.5	15
101	A grouting simulation method for quick-setting slurry in karst conduit: The sequential flow and solidification method. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 423-435.	3.7	15
102	Experimental study on the mechanism of pressure releasing control in deep coal mine roadways located in faulted zone. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	1.3	15
103	Effects of fineness on viscoelasticity of microfine cement-based grouts with fly ash, silica fume and superplasticiser. Advances in Cement Research, 2018, 30, 469-481.	0.7	14
104	An analytical model for surrounding rock classification during underground water-sealed caverns construction: a case study from eastern China. Environmental Earth Sciences, 2019, 78, 1.	1.3	14
105	Parameter Optimization for the Thickness and Hydraulic Conductivity of Tunnel Lining and Grouting Rings. KSCE Journal of Civil Engineering, 2019, 23, 2772-2783.	0.9	14
106	The theoretical and numerical analysis of water inrush through filling structures. Mathematics and Computers in Simulation, 2019, 162, 115-134.	2.4	14
107	Influence of Two Cross-Flaws Geometry on the Strength and Crack Coalescence of Rock-Like Material Specimens under Uniaxial Compression. International Journal of Geomechanics, 2020, 20, .	1.3	14
108	Clogging of pervious concrete pile caused by soil piping: an approximate experimental study. Canadian Geotechnical Journal, 2018, 55, 999-1015.	1.4	13

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109	Control mechanism of roof fracture in no-pillar roadways automatically formed by roof cutting and pressure releasing. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	13
110	A multifunctional rock testing system for rock failure analysis under different stress states: Development and application. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1531-1544.	3.7	13
111	Prediction for Water Inrush Disaster Source and CFD-Based Design of Evacuation Routes in Karst Tunnel. International Journal of Geomechanics, 2022, 22, .	1.3	13
112	Application of the expanded distinct element method for the study of crack growth in rock-like materials under uniaxial compression. Frontiers of Structural and Civil Engineering, 2012, 6, 121.	1.2	12
113	Deterioration of Soil-Cement Piles in a Saltwater Region and Its Influence on the Settlement of Composite Foundations. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	12
114	Quantitatively assessing the pre-grouting effect on the stability of tunnels excavated in fault zones with discontinuity layout optimization: A case study. Frontiers of Structural and Civil Engineering, 2019, 13, 1393-1404.	1.2	12
115	An Extension Theoretical Model for Grouting Effect Evaluation in Sand Stratum of Metro Construction. KSCE Journal of Civil Engineering, 2019, 23, 2349-2358.	0.9	12
116	Pre-supporting mechanism and supporting scheme design for advanced small pipes in the silty clay layer. Tunnelling and Underground Space Technology, 2020, 98, 103259.	3.0	12
117	Mechanical behaviors analysis on a square-steel-confined-concrete arch centering and its engineering application in a mining project. European Journal of Environmental and Civil Engineering, 2017, 21, 389-411.	1.0	11
118	Innovative Method for the Integral Sliding Stability Analysis of Filling Media in Karst Caves and Its Applications in Engineering. International Journal of Geomechanics, 2017, 17, .	1.3	11
119	Development and application of a model test system for rockfall disaster study on tunnel heading slope. Environmental Earth Sciences, 2019, 78, 1.	1.3	10
120	Preliminary seismic hazard assessment for the proposed Bohai Strait subsea tunnel based on scenario earthquake studies. Journal of Applied Geophysics, 2019, 163, 13-21.	0.9	10
121	Analysis on Structural Characteristics of Grout and Rock Distribution in Complex Geological Mixtures after Grouting Reinforcement and Its Mechanical Strength. Rock Mechanics and Rock Engineering, 2021, 54, 3757-3782.	2.6	10
122	Numerical investigations on slope stability using an elasto-brittle model considering fissure water pressure. Arabian Journal of Geosciences, 2015, 8, 10277-10288.	0.6	9
123	Study on mechanical properties and influencing factors of confined concrete arch in underground engineering with complex conditions. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	9
124	Control of Ground Uplift Based on Flow-Field Regularity during Grouting in Fracture with Flowing Groundwater. International Journal of Geomechanics, 2020, 20, .	1.3	9
125	Structural planes surveying and fractal dimension characteristics of tunnel face based on digital photogrammetry. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	8
126	Experimental Study on Parameters Affecting the Runout Range of Rockfall. Advances in Civil Engineering, 2018, 2018, 1-9.	0.4	8

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127	Numerical Analysis of Surrounding Rock Stability in Super-Large Section Tunnel Based on Hydro-Mechanical Coupling Model. Geotechnical and Geological Engineering, 2019, 37, 1297-1310.	0.8	8
128	Tunnel face failure mechanism with sand layer partial collapse. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
129	Escape route analysis after water inrush from the working face during submarine tunnel excavation. Marine Georesources and Geotechnology, 2018, 36, 379-392.	1.2	7
130	Prediction of Water Inflow in Subsea Tunnels under Blasting Vibration. Water (Switzerland), 2018, 10, 1336.	1.2	7
131	A new transient electromagnetic prospecting method in TBM tunnel environment. Journal of Applied Geophysics, 2022, 196, 104492.	0.9	7
132	A new comprehensive geological prediction method based on constrained inversion and integrated interpretation for water-bearing tunnel structures. European Journal of Environmental and Civil Engineering, 0, , 1-25.	1.0	6
133	Nondestructive Evaluation on Strain Sensing Capability of Piezoelectric Sensors for Structural Health Monitoring. Research in Nondestructive Evaluation, 2017, 28, 61-75.	0.5	6
134	Sealing of concrete confining structures of French nuclear reactors. Engineering Structures, 2019, 197, 109283.	2.6	6
135	Study on Early Warning Method for Water Inrush in Tunnel Based on Fine Risk Evaluation and Hierarchical Advance Forecast. Geosciences (Switzerland), 2019, 9, 392.	1.0	6
136	Experimental Study on Conductivity Anisotropy of Limestone Considering the Bedding Directional Effect in the Whole Process of Uniaxial Compression. Materials, 2016, 9, 165.	1.3	5
137	Risk Assessment for Stability and Containment Property of an Underground Oil Storage Facility in Construction Phase Using Fuzzy Comprehensive Evaluation Method. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2016, 2, 04016009.	1.1	5
138	Numerical modeling and verification of grouting with mold bag treatment on seepage failure in foundation excavation. Geomatics, Natural Hazards and Risk, 2018, 9, 1172-1185.	2.0	5
139	Numerical Investigation to Influence of Perforation Angle on Hydraulic Fracturing Process. Geotechnical and Geological Engineering, 2019, 37, 1125-1133.	0.8	5
140	Research on the application of dynamic weighting on the rock mass quality rating. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	5
141	A Novel Apparatus for Dynamic-Static Coupling Tests on Gas-Adsorbed Coal. Geotechnical Testing Journal, 2020, 43, 1353-1367.	0.5	5
142	Study on Risk Evaluation Method of Water Inrush and Integrated Geological Prediction Technology in High-Risk Karst Tunnel. , 2011, , .		4
143	Analysis of the Stability of Mud Inrush Induced by Fillings Sliding Failure in a Karst Cave Based on the Simplified Bishop Method and Its Application. , 2016, , .		4
144	Experimental Study of Open Fracture's Multifarious Effects on Ultrasonic Wave Propagation in Rock Masses. Zairyo/Journal of the Society of Materials Science, Japan, 2018, 67, 811-818.	0.1	4

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145	Performance evaluation and flow analysis of two-cylinder triangular rotor pump based on experiment and numerical simulation. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2019, 13, JAMDSM0003-JAMDSM0003.	0.3	4
146	Physical model tests to determine the mechanism of submarine landslides under the effect of sea waves. Natural Hazards, 2020, 102, 1451-1474.	1.6	4
147	Grouting Effect on Reinforcement of Weathered Granite. Geotechnical and Geological Engineering, 2020, 38, 2873-2886.	0.8	4
148	Ultra-low permeability rock-analogue material for gas–solid coupling model tests. International Journal of Physical Modelling in Geotechnics, 2021, 21, 85-97.	0.5	4
149	Evaluation of a Superabsorbent Polymer for Plugging Karst Pipe Type Water Inrushes. Mine Water and the Environment, 2022, 41, 252-264.	0.9	4
150	Limit Analysis of Roof Falling in Roadway with Water-Rich Surrounding Rock. Geotechnical and Geological Engineering, 2017, 35, 2361-2369.	0.8	3
151	Numerical simulation of solute transport and structural analysis for groundwater connection medium based on the tracer test. Water and Environment Journal, 2020, 34, 143-152.	1.0	3
152	Evaluation of Effectiveness of CO_2 Sequestration Using Portland Cement in Geological Reservoir Based on Unified Pipe-network Method. Energies, 2020, 13, 387.	1.6	3
153	Estimation of dynamic behaviors of bedrock foundation subjected to seismic loads based on FEM and DEM simulations. KSCE Journal of Civil Engineering, 2013, 17, 342-350.	0.9	2
154	Linear stability of one-dimensional non-Darcy flow in broken rocks. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 1063-1072.	1.7	2
155	Research on the Comprehensive Geological Prediction Method on a Metro Tunnel Karst Disaster and the Numerical Simulation of Corresponding Treatment Measures. , 2016, , .		2
156	Investigation on Coupled Fluid-Flow and Stress in Dual Model Rock Mass with Time-Dependent Effect and Its Simulation. Geosciences (Switzerland), 2017, 7, 45.	1.0	2
157	Mechanical Effect Analysis and Comparative Site Tests on Surrounding Rock with Different Bolt Anchoring Lengths and Pre-tightening Forces. Geotechnical and Geological Engineering, 2019, 37, 1195-1209.	0.8	2
158	Study on a digital drilling test–based rock uniaxial compressive strength measurement method. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	2
159	Implementation and engineering application of an improved rotating smeared crack model in rock mass fracture. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	1.3	2
160	Theoretical and experimental study on the rheological properties of WIS grout and the dispersion and sealing mechanism. International Journal of Mining Science and Technology, 2022, 32, 669-684.	4.6	2
161	Application of Ideal Point Method in Rockburst Prediction Based on Weight Back Analysis Method. , 2011, , .		1
162	A Case Study for Escape Route Optimization after Water Inrush in a Backward Excavated Karst Tunnel. , 2016, , .		1

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163	Application of slip line theory and core drilling in the prediction of rock c-φ parameters. European Journal of Environmental and Civil Engineering, 2022, 26, 2204-2217.	1.0	1
164	An upper bound design method for roof bolting support in roadways with top coal. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
165	Finite Element Modeling of Horizontally Loaded Monopile Foundation of Large Scale Offshore Wind Turbine in Non-homogeneity Clay. , 2009, , .		0
166	Study on the ice-induced vibration of concrete structure in environment of seawater corrosion. , 2011, , .		0
167	Study on vehicle-track system vibration characteristic of steel spring floating slab track. , 2011, , .		0
168	Dynamic analysis of subgrade soil in flood area considering seismic liquefaction. , 2011, , .		0
169	Investigation on vibration isolation effect of rubber pad floating slab track structure. , 2011, , .		0
170	Study on construction mechanics behavior of weak surrounding rock with four-lane highway tunnel. AIP Conference Proceedings, 2018, , .	0.3	0
171	VC++ Software Development and Stability Analysis of a Slope Based on the Slice-Free Method. Geotechnical and Geological Engineering, 2020, 38, 1311-1322.	0.8	0
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