

Liping Li

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

715
citations

567281

15
h-index

610901

24
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47
all docs

47
docs citations

47
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis for full face mechanical behaviors through spatial deduction model with real-time monitoring data. <i>Structural Health Monitoring</i> , 2022, 21, 1805-1818.	7.5	4
2	Thickness Calculation of Accumulative Damaged Zone by Rock Mass Blasting Based on Hoek's Brown Failure Criterion. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	12
3	Support scheme optimization aimed at the asymmetric deformation of the supported rock in a deep tunnel. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0
4	Prediction for Water Inrush Disaster Source and CFD-Based Design of Evacuation Routes in Karst Tunnel. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	13
5	Study on the Damage Evolution Process and Fractal of Quartz-Filled Shale under Thermal-Mechanical Coupling. <i>Geofluids</i> , 2021, 2021, 1-14.	0.7	4
6	Model on Improved Variable Weight-Matter Element Theory for Risk Assessment of Water Inrush in Karst Tunnels. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 3533-3548.	1.7	6
7	Advanced Stability Analysis of the Tunnels in Jointed Rock Mass Based on TSP and DEM. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1491-1503.	1.9	25
8	Stability Analysis of Irregular Cavities in Tunnel Using Geomagic-COMSOL Coupling Method. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-16.	0.7	0
9	Stress-Release Law and Deformation Characteristics of Large-Span Tunnel Excavated with Semi Central Diaphragm Method. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2275-2284.	1.9	14
10	Peridynamics Simulation of Water Inrush Channels Evolution Process Due to Rock Mass Progressive Failure in Karst Tunnels. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	19
11	Strength reduction model for jointed rock masses and peridynamics simulation of uniaxial compression testing. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	9
12	Improvement to the calculating model of the pressure arch's height considering the confining pressure in the excavation of shallow tunnels. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	7
13	A quantitative model for the geological strength index based on attribute mathematics and its application. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 6897-6911.	3.5	7
14	Experimental research on the effect of particle migration of a filling medium in a fault during water and mud inrush. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	3
15	VC++ Software Development and Stability Analysis of a Slope Based on the Slice-Free Method. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 1311-1322.	1.7	0
16	Research on the relationship between macroscopic and mesoscopic mechanical parameters of limestone based on Hertz Mindlin with bonding model. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	2.9	8
17	Risk assessment of collapse in mountain tunnels and software development. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	3
18	New Modified Model for Estimating the Peak Shear Strength of Rock Mass Containing Nonconsecutive Joint Based on a Simulated Experiment. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	17

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19	Physical model tests to determine the mechanism of submarine landslides under the effect of sea waves. <i>Natural Hazards</i> , 2020, 102, 1451-1474.	3.4	4
20	Mechanism of water inrush in fractures and block collapse under hydraulic pressure. <i>Mathematics and Computers in Simulation</i> , 2020, 177, 625-642.	4.4	12
21	Near-surface site investigation and imaging of karst cave using comprehensive geophysical and laser scanning: a case study in Shandong, China. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	6
22	Dynamic Unloading Instability Mechanism of Underground Cavern Based on Seepage-Damage Coupling. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 1620-1631.	1.9	10
23	Numerical Test Study of the Microscale Failure Modes and Fractal Analysis of Lower Cambrian Shale Based on Digital Images. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-16.	0.7	3
24	Slope stability analysis and protection measures in bridge and tunnel engineering: a practical case study from Southwestern China. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 3305-3321.	3.5	23
25	Numerical Investigation to Influence of Perforation Angle on Hydraulic Fracturing Process. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 1125-1133.	1.7	5
26	Study on Early Warning Method for Water Inrush in Tunnel Based on Fine Risk Evaluation and Hierarchical Advance Forecast. <i>Geosciences (Switzerland)</i> , 2019, 9, 392.	2.2	6
27	A true triaxial geomechanical model test apparatus for studying the precursory information of water inrush from impermeable rock mass failure. <i>Tunnelling and Underground Space Technology</i> , 2019, 93, 103078.	6.2	27
28	Research on the application of dynamic weighting on the rock mass quality rating. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	5
29	A Targeted Grouting and Water Blocking Method Based on Hydrological Tracer Testing and Its Engineering Applications. <i>Water (Switzerland)</i> , 2019, 11, 1000.	2.7	3
30	Analysis on Water Inrush Process of Tunnel with Large Buried Depth and High Water Pressure. <i>Processes</i> , 2019, 7, 134.	2.8	24
31	Comprehensive risk assessment and engineering application of mine water inrush based on normal cloud model and local variable weight. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-16.	2.3	8
32	Model test for water inrush caused by karst caves filled with confined water in tunnels. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	19
33	Numerical Analysis of Surrounding Rock Stability in Super-Large Section Tunnel Based on Hydro-Mechanical Coupling Model. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 1297-1310.	1.7	8
34	Analysis on the Precursor Information of Water Inrush in Karst Tunnels: A True Triaxial Model Test Study. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 373-384.	5.4	80
35	The theoretical and numerical analysis of water inrush through filling structures. <i>Mathematics and Computers in Simulation</i> , 2019, 162, 115-134.	4.4	14
36	Model Test Study on Spatial Deformation Law of Surrounding Rock for Super-Large Section and Shallow Buried Tunnels. <i>Geotechnical Testing Journal</i> , 2019, 42, 20170243.	1.0	15

#	ARTICLE	IF	CITATIONS
37	Hazard-based evaluation model of water inrush disaster sources in karst tunnels and its engineering application. Environmental Earth Sciences, 2018, 77, 1.	2.7	33
38	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.	3.5	26
39	Experimental Study of Influence of Karst Aquifer on the Law of Water Inrush in Tunnels. Water (Switzerland), 2018, 10, 1211.	2.7	20
40	Karst Development Mechanism and Characteristics Based on Comprehensive Exploration along Jinan Metro, China. Sustainability, 2018, 10, 3383.	3.2	18
41	Structural planes surveying and fractal dimension characteristics of tunnel face based on digital photogrammetry. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	8
42	Experimental Study on Parameters Affecting the Runout Range of Rockfall. Advances in Civil Engineering, 2018, 2018, 1-9.	0.7	8
43	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.	4.3	37
44	Mechanism of water inrush in tunnel construction in karst area. Geomatics, Natural Hazards and Risk, 2016, 7, 35-46.	4.3	66
45	Developing brittle transparent materials with 3D fractures and experimental study. Steel and Composite Structures, 2016, 22, 399-409.	1.3	2
46	Risk assessment of water inrush in karst tunnels and software development. Arabian Journal of Geosciences, 2015, 8, 1843-1854.	1.3	73
47	Flow Catastrophe Evolution Laws of Nonlinear Seepage for Water Inrush Induced by Conductive Fault. , 2011, , .		1