

Liping Li

List of Publications by Year in descending order

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47
papers

715
citations

567281

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47
docs citations

47
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Risk assessment of water inrush in karst tunnels and software development. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1843-1854.	1.3	73
3	Mechanism of water inrush in tunnel construction in karst area. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 35-46.	4.3	66
4	Application of comprehensive prediction method of water inrush hazards induced by unfavourable geological body in high risk karst tunnel: a case study. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1407-1423.	4.3	37
5	Hazard-based evaluation model of water inrush disaster sources in karst tunnels and its engineering Application. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	33
6	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
7	Field, experimental, and numerical investigation of a rockfall above a tunnel portal in southwestern China. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1365-1382.	3.5	26
8	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
9	Analysis on Water Inrush Process of Tunnel with Large Buried Depth and High Water Pressure. <i>Processes</i> , 2019, 7, 134.	2.8	24
10	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
11	Experimental Study of Influence of Karst Aquifer on the Law of Water Inrush in Tunnels. <i>Water (Switzerland)</i> , 2018, 10, 1211.	2.7	20
12	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
13	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
14	Karst Development Mechanism and Characteristics Based on Comprehensive Exploration along Jinan Metro, China. <i>Sustainability</i> , 2018, 10, 3383.	3.2	18
15	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
16	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
17	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
18	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

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19	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
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	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
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	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
24	Structural planes surveying and fractal dimension characteristics of tunnel face based on digital photogrammetry. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	8
25	Experimental Study on Parameters Affecting the Runout Range of Rockfall. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-9.	0.7	8
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Numerical Investigation to Influence of Perforation Angle on Hydraulic Fracturing Process. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 1125-1133.	1.7	5
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Risk assessment of collapse in mountain tunnels and software development. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	3
41	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
42	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
43	Developing brittle transparent materials with 3D fractures and experimental study. <i>Steel and Composite Structures</i> , 2016, 22, 399-409.	1.3	2
44	Flow Catastrophe Evolution Laws of Nonlinear Seepage for Water Inrush Induced by Conductive Fault. , 2011, , .		1
45	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
46	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
47	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