

Hua Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

326
citations

932766

10
h-index

940134

16
g-index

39
all docs

39
docs citations

39
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiences of gripper TBM application in shaft coal mine: A case study in Zhangji coal mine, China. <i>Tunnelling and Underground Space Technology</i> , 2018, 81, 660-668.	3.0	30
2	Chemical forms of heavy metals in agricultural soils affected by coal mining in the Linhuan subsidence of Huaibei Coalfield, Anhui Province, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23683-23693.	2.7	27
3	Application of the Improved Knothe Time Function Model in the Prediction of Ground Mining Subsidence: A Case Study from Heze City, Shandong Province, China. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3147.	1.3	24
4	Toxicity of silver nanoparticles to green algae <i>M. aeruginosa</i> and alleviation by organic matter. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 667.	1.3	23
5	Excavation damaged zone depths prediction for TBM-excavated roadways in deep collieries. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	22
6	Application of Distributed Optical Fiber Sensing Technology in Surrounding Rock Deformation Control of TBM-Excavated Coal Mine Roadway. <i>Journal of Sensors</i> , 2018, 2018, 1-10.	0.6	18
7	Supporting Design Optimization of Tunnel Boring Machines-Excavated Coal Mine Roadways: A Case Study in Zhangji, China. <i>Processes</i> , 2020, 8, 46.	1.3	16
8	Preparation of chitosan modified fly ash under acid condition and its adsorption mechanism for Cr(VI) in water. <i>Journal of Central South University</i> , 2021, 28, 1652-1664.	1.2	13
9	Numerical study and field performance of rockbolt support schemes in TBM-excavated coal mine roadways: A case study. <i>Tunnelling and Underground Space Technology</i> , 2021, 115, 104053.	3.0	13
10	Statistical Damage Constitutive Model for High-Strength Concrete Based on Dissipation Energy Density. <i>Crystals</i> , 2021, 11, 800.	1.0	11
11	Study on the Formation Law of the Freezing Temperature Field of Freezing Shaft Sinking under the Action of Large-Flow-Rate Groundwater. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-20.	1.0	9
12	Energy Evolution Analysis and Brittleness Evaluation of High-Strength Concrete Considering the Whole Failure Process. <i>Crystals</i> , 2020, 10, 1099.	1.0	9
13	Effect of Seepage Velocity on Formation of Shaft Frozen Wall in Loose Aquifer. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.0	8
14	Study of the Mechanism of Fracture Grouting in Deeply Buried Rock Strata Based on Bingham Fluid Slurry. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-10.	0.4	8
15	Study on Fracturing and Diffusion Mechanism of Nonslab Fracturing Grouting. <i>Geofluids</i> , 2020, 2020, 1-9.	0.3	7
16	Numerical Analysis of a Novel Shaft Lining Structure in Coal Mines Consisting of Hybrid-Fiber-Reinforced Concrete. <i>Crystals</i> , 2020, 10, 928.	1.0	7
17	Application of a FBG-Based Instrumented Rock Bolt in a TBM-Excavated Coal Mine Roadway. <i>Journal of Sensors</i> , 2018, 2018, 1-10.	0.6	6
18	An Energy Solution for Predicting Buried Pipeline Response Induced by Tunneling Based on a Uniform Ground Movement Model. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Testing of a Dual-Steel-Plate-Confined High-Performance Concrete Composite Shaft Lining Structure and Its Application. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2938.	1.3	6
20	Subsidence Control Design Method and Application to Backfill-Strip Mining Technology. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-15.	0.4	6
21	Dynamic Characteristics and Damage Constitutive Model of Mudstone under Impact Loading. <i>Materials</i> , 2022, 15, 1128.	1.3	6
22	Research and Application of the Local Differential Freezing Technology in Deep Alluvium. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-15.	0.4	5
23	Optimization of Burgers creep damage model of frozen silty clay based on fuzzy random particle swarm algorithm. <i>Scientific Reports</i> , 2021, 11, 18974.	1.6	5
24	Theoretical Research on Sand Penetration Grouting Based on Cylindrical Diffusion Model of Tortuous Tubes. <i>Water (Switzerland)</i> , 2022, 14, 1028.	1.2	5
25	Physical model testing and numerical simulation for temperature distribution of mass concrete freezing shaft lining in deep alluvium. <i>AIP Advances</i> , 2018, 8, .	0.6	4
26	Mechanical Properties of High-Strength High-Performance Reinforced Concrete Shaft Lining Structures in Deep Freezing Wells. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-14.	0.4	4
27	Study on the Mechanism and Prevention Method of Frozen Wall Maldevelopment Induced by High-Flow-Rate Groundwater. <i>Water (Switzerland)</i> , 2022, 14, 2077.	1.2	4
28	Experimental and Numerical Investigation on Improved Design for Profiled Freezing-tube of FSPR. <i>Processes</i> , 2020, 8, 992.	1.3	3
29	Experimental Study on Pipe Strength and Field Performance of Pipe Jacking TBM in Deep-Buried Coal Mines. <i>International Journal of Civil Engineering</i> , 2021, 19, 1327-1338.	0.9	3
30	Analysis on Deformation and Stress Characteristics of a Multibraced Pit-in-Pit Excavation in a Subway Transfer Station. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-19.	0.4	2
31	Analytical Solution of Steady-State Temperature Field of Single Freezing Pipe under Action of Seepage Field. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-13.	0.4	2
32	Disturbance Effect of Pipe Jacking Group Adjacent Excavation on Surrounding Soil. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-21.	0.4	2
33	Experimental Study on Temporal and Spatial Evolutions of Temperature Field of Double-Pipe Freezing in Saline Stratum with a High Velocity. <i>Energies</i> , 2022, 15, 1308.	1.6	2
34	Theoretical Research on Grouting in Deep Loose Layers Based on the Cylindrical Diffusion Model of Radial Tube Flow. <i>Geofluids</i> , 2022, 2022, 1-12.	0.3	2
35	Experimental Study of the Space-Time Effect of a Double-Pipe Frozen Curtain Formation with Different Groundwater Velocities. <i>Energies</i> , 2021, 14, 3830.	1.6	1
36	Analysis of Cusp Catastrophic Model for Vertical Stability of Drilling Shaft Lining. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-13.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Design and Analysis of Grouting Pressure in Slurry Pipe Jacking Based on the Surrounding Soil Stability Mechanical Characteristics. <i>Geofluids</i> , 2022, 2022, 1-17.	0.3	1
38	Analytical Study on Surface Settlement Troughs Induced by the Sequential Excavation of Adjacent and Parallel Tunnels in Layered Soils. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-11.	0.4	0