

# Zhao-fei Chu

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

658  
citations

567281

15  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Approach to Estimating the Influence of Shotcrete Hardening Property on Tunnel Response. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	47
2	An Improved Wave Velocity Model for Acoustic Emission Source Localization in Heterogeneous Rock Materials with Unknown Inclusions. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	4
3	Micro-mechanism of brittle creep in saturated sandstone and its mechanical behavior after creep damage. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 149, 104994.	5.8	30
4	Mechanical response of inclined TBM tunnel due to drainage settlement of deep sandstone aquifer. <i>Tunnelling and Underground Space Technology</i> , 2022, 122, 104393.	6.2	12
5	Permeability, deformation characteristics, and damage constitutive model of shale under triaxial hydromechanical coupling. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	3.5	8
6	Experimental and numerical studies of the impact breakage of granite with high ejection velocities. <i>PLoS ONE</i> , 2022, 17, e0266241.	2.5	5
7	Real-time characterization of the grouting diffusion process in fractured sandstone based on the low-field nuclear magnetic resonance technique. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 152, 105060.	5.8	29
8	Time-dependent safety of lining structures of circular tunnels in weak rock strata. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 323-334.	10.3	19
9	Numerical investigation of rock dynamic fragmentation during rockslides using a coupled 3D FEM-DEM method. <i>Journal of Mountain Science</i> , 2022, 19, 1051-1069.	2.0	5
10	A Novel Model Using Virtual State Variables and Bayesian Discriminant Analysis to Classify Surrounding Rock Stability. <i>Shock and Vibration</i> , 2021, 2021, 1-10.	0.6	0
11	Analytical Solution for Lined Circular Tunnels in Deep Viscoelastic Burgers Rock Considering the Longitudinal Discontinuous Excavation and Sequential Installation of Liners. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	2.9	58
12	Evaluating the Microstructure Evolution Behaviors of Saturated Sandstone Using NMR Testing Under Uniaxial Short-Term and Creep Compression. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 4905-4927.	5.4	42
13	Evolutions of the unfrozen water content of saturated sandstones during freezing process and the freeze-induced damage characteristics. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 142, 104757.	5.8	52
14	An extended numerical manifold method for simulation of grouting reinforcement in deep rock tunnels. <i>Tunnelling and Underground Space Technology</i> , 2021, 115, 104020.	6.2	29
15	An Improved Nonlinear Creep Model for Rock Applied to Tunnel Displacement Prediction. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	2.2	39
16	A critical review on the performance of yielding supports in squeezing tunnels. <i>Tunnelling and Underground Space Technology</i> , 2021, 115, 103815.	6.2	65
17	Time-Dependent Solutions for Lined Circular Tunnels Considering Rockbolts Reinforcement and Face Advancement Effects. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	22
18	Real-time rock mass condition prediction with TBM tunneling big data using a novel rock-machine mutual feedback perception method. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 1311-1325.	8.1	44

#	ARTICLE	IF	CITATIONS
19	Numerical Study on the Dynamic Fracture Energy of Concrete Based on a Rate-Dependent Cohesive Model. <i>Materials</i> , 2021, 14, 7421.	2.9	0
20	Analytical Solutions for Deep-Buried Lined Tunnels Considering Longitudinal Discontinuous Excavation in Rheological Rock Mass. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	2.9	40
21	Coupled analytical solutions for deep-buried circular lined tunnels considering tunnel face advancement and soft rock rheology effects. <i>Tunnelling and Underground Space Technology</i> , 2019, 94, 103111.	6.2	70
22	Tunnel collapse risk assessment based on multistate fuzzy Bayesian networks. <i>Quality and Reliability Engineering International</i> , 2018, 34, 1646-1662.	2.3	38