Linchong Huang

List of Publications by Year
in descending order

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Version: 2024-02-01

42	613	567144 15	642610 23
papers	citations	h-index	g-index

42	42	42	293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil-water inrush induced shield tunnel lining damage and its stabilization: A case study. Tunnelling and Underground Space Technology, 2020, 97, 103290.	3.0	60
2	A coupled thermal-elastic-plastic-damage model for concrete subjected to dynamic loading. International Journal of Plasticity, 2022, 153, 103279.	4.1	52
3	Fourier series-based discrete element method for computational mechanics of irregular-shaped particles. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112873.	3.4	49
4	Research on the construction risk control technology of shield tunnel underneath an operational railway in sand pebble formation: a case study. European Journal of Environmental and Civil Engineering, 2020, 24, 1558-1572.	1.0	40
5	Analysis of ground collapse caused by shield tunnelling and the evaluation of the reinforcement effect on a sand stratum. Engineering Failure Analysis, 2020, 115, 104616.	1.8	32
6	Experimental study of non-linear fluid flow though rough fracture based on fractal theory and 3D printing technique. International Journal of Rock Mechanics and Minings Sciences, 2020, 129, 104293.	2.6	28
7	On the optimization of site investigation programs using centroidal Voronoi tessellation and random field theory. Computers and Geotechnics, 2020, 118, 103331.	2.3	26
8	Stability analysis on tunnels with karst caves using the distinct lattice spring model. Underground Space (China), 2021, 6, 469-481.	3.4	24
9	A systematic 3D simulation method for geomaterials with block inclusions from image recognition to fracturing modelling. Theoretical and Applied Fracture Mechanics, 2022, 117, 103194.	2.1	22
10	The application of distinct lattice spring model to zonal disintegration within deep rock masses. Tunnelling and Underground Space Technology, 2019, 90, 144-161.	3.0	21
11	Feasibility of using microwave curing to enhance the compressive strength of mixed recycled aggregate powder based geopolymer. Construction and Building Materials, 2020, 262, 120897.	3.2	21
12	Temporal and spatial distribution of the grout pressure and its effects on lining segments during synchronous grouting in shield tunnelling. European Journal of Environmental and Civil Engineering, 2020, 24, 79-96.	1.0	20
13	Experimental study on the velocity-dependent frictional resistance of a rough rock fracture exposed to normal load vibrations. Acta Geotechnica, 2021, 16, 2189-2202.	2.9	19
14	Numerical study on the frequency response of offshore monopile foundation to seismic excitation. Computers and Geotechnics, 2021, 138, 104342.	2.3	16
15	Estimation of the shear strength of fractured Gosford sandstone based on fractal theory and numerical modelling. Journal of Petroleum Science and Engineering, 2019, 182, 106278.	2.1	15
16	A Unified Equation to Predict the Permeability of Rough Fractures via Lattice Boltzmann Simulation. Water (Switzerland), 2019, 11, 1081.	1.2	15
17	A dynamic bounding surface plasticity damage model for rocks subjected to high strain rates and confinements. International Journal of Impact Engineering, 2022, 168, 104306.	2.4	14
18	Anisotropic Bounding Surface Plasticity Model for Porous Media. International Journal of Geomechanics, 2021, 21, .	1.3	13

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19	Spherical cavity expansion in porous rock considering plasticity and damage. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 2235-2259.	1.7	12
20	A new multi-function servo control dynamic shear apparatus for geomechanics. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110345.	2.5	12
21	A polybÃ©zier-based particle model for the DEM modeling of granular media. Computers and Geotechnics, 2021, 134, 104052.	2.3	11
22	Effects of void morphology on fracturing characteristics of porous rock through a finite-discrete element method. Journal of Natural Gas Science and Engineering, 2022, 104, 104684.	2.1	11
23	On an energy-based criterion for defining slope failure considering spatially varying soil properties. Engineering Geology, 2020, 264, 105323.	2.9	10
24	Study on the time-varying temperature field of small radius curved concrete box girder bridges. AIP Advances, 2020, 10, 105013.	0.6	8
25	A semianalytical Hertzian frictional contact model in 2D. Applied Mathematical Modelling, 2021, 92, 546-564.	2.2	7
26	Dynamic Properties of Thermal Shock Treated Sandstone Subjected to Coupled Dynamic and Static Loads. Minerals (Basel, Switzerland), 2021, 11, 889.	0.8	7
27	The effective flexural stiffness of segment joints in largeâ€diameter tunnel under various loading conditions. Structural Concrete, 2020, 21, 2824-2835.	1.5	7
28	Frictional behavior of granular materials exposed to dynamic normal load. Engineering Geology, 2021, 295, 106414.	2.9	7
29	Improvement of the stability of doxycycline hydrochloride pellet-containing tablets through a novel granulation technique and proper excipients. Powder Technology, 2015, 270, 221-229.	2.1	6
30	Revisiting the GJK and shape erosion method for contact resolution in DEM. Powder Technology, 2021, 394, 363-371.	2.1	6
31	Machineâ€learningâ€enabled discrete element method: Contact detection and resolution of irregularâ€shaped particles. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 113-140.	1.7	5
32	The finite element method for the reliability analysis of lining structures based on Monte Carlo stochastic. Cluster Computing, 2017, 20, 3313-3325.	3.5	3
33	Evaluating the hydromechanical responses of seabedâ€“pipelines with rotated anisotropic heterogeneous seabed properties. Ocean Engineering, 2021, 234, 109226.	1.9	3
34	An extension of the Fourier series-based particle model to the GJK-based contact detection and resolution framework for DEM. Computational Particle Mechanics, 2022, 9, 381-391.	1.5	3
35	Effects of siltation and desiltation on the wave-induced stability of foundation trench of immersed tunnel. Soil Dynamics and Earthquake Engineering, 2022, 160, 107360.	1.9	3
36	Risk Analysis and Control Measures for Slurry Shield Tunneling Diagonally under an Urban River Embankment. Advances in Civil Engineering, 2020, 2020, 1-11.	0.4	2

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37	Modelling the microstructure random fields of soft soil under the scale optimized Retinex algorithm and microscopic image enhancement. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2913-2923.	0.8	1
38	Submicron structure random field on granular soil material with retinex algorithm optimization. EPJ Web of Conferences, 2017, 140, 12013.	0.1	1
39	Calculation of Soil Deformation Caused by Shield Tunneling through the Sludge Layer with Plastic Drainage Plates. Advances in Civil Engineering, 2020, 2020, 1-10.	0.4	1
40	Covariance regression for operational modal analysis. JVC/Journal of Vibration and Control, 0, , 107754632199014.	1.5	0
41	Study on the Joint Bending Stiffness of Large-Diameter Shield Tunnel: A Case Study. Springer Series in Geomechanics and Geoengineering, 2018, , 1164-1167.	0.0	0
42	Random Field Simulation of Foundation Settlement of Soft Soil in Southern China. Springer Series in Geomechanics and Geoengineering, 2018, , 952-955.	0.0	0