

Linchong Huang

List of Publications by Year in descending order

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42
papers

613
citations

567144

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642610

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g-index

42
all docs

42
docs citations

42
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	A new multi-function servo control dynamic shear apparatus for geomechanics. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110345.	2.5	12
2	Machine-learning-enabled discrete element method: Contact detection and resolution of irregular-shaped particles. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 113-140.	1.7	5
3	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
4	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
5	A coupled thermal-elastic-plastic-damage model for concrete subjected to dynamic loading. International Journal of Plasticity, 2022, 153, 103279.	4.1	52
6	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
7	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
8	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
9	Stability analysis on tunnels with karst caves using the distinct lattice spring model. Underground Space (China), 2021, 6, 469-481.	3.4	24
10	A semianalytical Hertzian frictional contact model in 2D. Applied Mathematical Modelling, 2021, 92, 546-564.	2.2	7
11	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
12	Anisotropic Bounding Surface Plasticity Model for Porous Media. International Journal of Geomechanics, 2021, 21, .	1.3	13
13	A polybody-based particle model for the DEM modeling of granular media. Computers and Geotechnics, 2021, 134, 104052.	2.3	11
14	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
15	Evaluating the hydromechanical responses of seabed pipelines with rotated anisotropic heterogeneous seabed properties. Ocean Engineering, 2021, 234, 109226.	1.9	3
16	Dynamic Properties of Thermal Shock Treated Sandstone Subjected to Coupled Dynamic and Static Loads. Minerals (Basel, Switzerland), 2021, 11, 889.	0.8	7
17	Numerical study on the frequency response of offshore monopile foundation to seismic excitation. Computers and Geotechnics, 2021, 138, 104342.	2.3	16
18	Revisiting the GJK and shape erosion method for contact resolution in DEM. Powder Technology, 2021, 394, 363-371.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Frictional behavior of granular materials exposed to dynamic normal load. <i>Engineering Geology</i> , 2021, 295, 106414.	2.9	7
20	Temporal and spatial distribution of the grout pressure and its effects on lining segments during synchronous grouting in shield tunnelling. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 79-96.	1.0	20
21	Research on the construction risk control technology of shield tunnel underneath an operational railway in sand pebble formation: a case study. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1558-1572.	1.0	40
22	On an energy-based criterion for defining slope failure considering spatially varying soil properties. <i>Engineering Geology</i> , 2020, 264, 105323.	2.9	10
23	On the optimization of site investigation programs using centroidal Voronoi tessellation and random field theory. <i>Computers and Geotechnics</i> , 2020, 118, 103331.	2.3	26
24	Feasibility of using microwave curing to enhance the compressive strength of mixed recycled aggregate powder based geopolymer. <i>Construction and Building Materials</i> , 2020, 262, 120897.	3.2	21
25	Study on the time-varying temperature field of small radius curved concrete box girder bridges. <i>AIP Advances</i> , 2020, 10, 105013.	0.6	8
26	Risk Analysis and Control Measures for Slurry Shield Tunneling Diagonally under an Urban River Embankment. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-11.	0.4	2
27	Analysis of ground collapse caused by shield tunnelling and the evaluation of the reinforcement effect on a sand stratum. <i>Engineering Failure Analysis</i> , 2020, 115, 104616.	1.8	32
28	Experimental study of non-linear fluid flow through rough fracture based on fractal theory and 3D printing technique. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 129, 104293.	2.6	28
29	Soil-water inrush induced shield tunnel lining damage and its stabilization: A case study. <i>Tunnelling and Underground Space Technology</i> , 2020, 97, 103290.	3.0	60
30	The effective flexural stiffness of segment joints in large-diameter tunnel under various loading conditions. <i>Structural Concrete</i> , 2020, 21, 2824-2835.	1.5	7
31	Fourier series-based discrete element method for computational mechanics of irregular-shaped particles. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 362, 112873.	3.4	49
32	Calculation of Soil Deformation Caused by Shield Tunneling through the Sludge Layer with Plastic Drainage Plates. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-10.	0.4	1
33	Estimation of the shear strength of fractured Gosford sandstone based on fractal theory and numerical modelling. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106278.	2.1	15
34	A Unified Equation to Predict the Permeability of Rough Fractures via Lattice Boltzmann Simulation. <i>Water (Switzerland)</i> , 2019, 11, 1081.	1.2	15
35	The application of distinct lattice spring model to zonal disintegration within deep rock masses. <i>Tunnelling and Underground Space Technology</i> , 2019, 90, 144-161.	3.0	21
36	Study on the Joint Bending Stiffness of Large-Diameter Shield Tunnel: A Case Study. <i>Springer Series in Geomechanics and Geoengineering</i> , 2018, , 1164-1167.	0.0	0

#	ARTICLE	IF	CITATIONS
37	Random Field Simulation of Foundation Settlement of Soft Soil in Southern China. Springer Series in Geomechanics and Geoen지니어ing, 2018, , 952-955.	0.0	0
38	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
39	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
40	Submicron structure random field on granular soil material with retinex algorithm optimization. EPJ Web of Conferences, 2017, 140, 12013.	0.1	1
41	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
42	Covariance regression for operational modal analysis. JVC/Journal of Vibration and Control, 0, , 107754632199014.	1.5	0