

Min Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4528145/publications.pdf>

Version: 2024-02-01

40
papers

790
citations

471477

17
h-index

552766

26
g-index

40
all docs

40
docs citations

40
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of proppant transport at hydraulic-natural fracture intersection. Powder Technology, 2022, 398, 117123.	4.2	12
2	Applicability of discrete element method with spherical and clumped particles for constitutive study of granular materials. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 240-251.	8.1	27
3	A coupled polygonal DEM-LBM technique based on an immersed boundary method and energy-conserving contact algorithm. Powder Technology, 2021, 381, 101-109.	4.2	11
4	Deformation accommodating periodic computational domain for a uniform velocity gradient. Computer Methods in Applied Mechanics and Engineering, 2021, 374, 113607.	6.6	6
5	Deep Learning Predicts Stress-Strain Relations of Granular Materials Based on Triaxial Testing Data. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 129-144.	1.1	8
6	An adaptive granular representative volume element model with an evolutionary periodic boundary for hierarchical multiscale analysis. International Journal for Numerical Methods in Engineering, 2021, 122, 2239-2253.	2.8	15
7	An improved specimen preparation method for marine shallow gas-bearing sand sediments and its validations. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 682-682.	8.1	5
8	Towards data-driven constitutive modelling for granular materials via micromechanics-informed deep learning. International Journal of Plasticity, 2021, 144, 103046.	8.8	35
9	An improved continuum-based finite-discrete element method with intra-element fracturing algorithm. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113978.	6.6	11
10	Numerical calculation of the particle-fluid-particle stress in random arrays of fixed particles. Physical Review Fluids, 2021, 6, .	2.5	18
11	A hybrid discrete bubble-lattice Boltzmann-discrete element model for gas-charged sediments. Computational Particle Mechanics, 2020, 7, 509-522.	3.0	9
12	Role of Gradation Curve in Description of Mechanical Behavior of Unsaturated Soils. International Journal of Geomechanics, 2020, 20, .	2.7	4
13	On the implicit immersed boundary method in coupled discrete element and lattice Boltzmann method. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 516-532.	3.3	10
14	Determination of strain-dependent soil water retention characteristics from gradation curve. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 1356-1360.	8.1	9
15	A scale-invariant bonded particle model for simulating large deformation and failure of continua. Computers and Geotechnics, 2020, 126, 103735.	4.7	7
16	Effects of remoulding and wetting-drying-freezing-thawing cycles on the pore structures of Yanji mudstones. Cold Regions Science and Technology, 2020, 174, 103037.	3.5	20
17	Calibration of parallel bond parameters in bonded particle models via physics-informed adaptive moment optimisation. Powder Technology, 2020, 366, 527-536.	4.2	37
18	Instability and treatments of the coupled discrete element and lattice Boltzmann method by the immersed moving boundary scheme. International Journal for Numerical Methods in Engineering, 2020, 121, 4901-4919.	2.8	20

#	ARTICLE	IF	CITATIONS
19	A hybrid calibration approach to Hertz-type contact parameters for discrete element models. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 1281-1300.	3.3	13
20	Weathered Swelling Mudstone Landslide and Mitigation Measures in the Yanji Basin: A Case Study. <i>Sustainable Civil Infrastructures</i> , 2019, , 182-190.	0.2	2
21	Discrete element modelling of flexible membrane boundaries for triaxial tests. <i>Computers and Geotechnics</i> , 2019, 115, 103154.	4.7	60
22	Calibration of linear contact stiffnesses in discrete element models using a hybrid analytical-computational framework. <i>Powder Technology</i> , 2019, 356, 795-807.	4.2	21
23	Modelling of sand production using a mesoscopic bonded particle lattice Boltzmann method. <i>Engineering Computations</i> , 2019, 36, 691-706.	1.4	9
24	A novel algorithm of immersed moving boundary scheme for fluid-particle interactions in DEM-LBM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 109-125.	6.6	47
25	Assessment of engineering behaviour of an intensely weathered swelling mudstone under full range of seasonal variation and the relationships among measured parameters. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1837-1849.	2.8	27
26	Engineering geological properties of weathered swelling mudstones and their effects on the landslides occurrence in the Yanji section of the Jilin-Hunchun high-speed railway. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1491-1503.	3.5	50
27	Deformation Analysis of Shallow Gas-Bearing Ground from Controlled Gas Release in Hangzhou Bay of China. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	19
28	Liquefaction response of loose gassy marine sand sediments under cyclic loading. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 963-976.	3.5	13
29	A coupled 3-dimensional bonded discrete element and lattice Boltzmann method for fluid-solid coupling in cohesive geomaterials. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 1405-1424.	3.3	34
30	Characterising particle packings by principal component analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 70-89.	6.6	8
31	An extended Greenwood-Williamson model-based normal interaction law for discrete element modelling of spherical particles with surface roughness. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 1624-1642.	3.3	4
32	Numerical investigation of initiation and propagation of hydraulic fracture using the coupled Bonded Particle-Lattice Boltzmann Method. <i>Computers and Structures</i> , 2017, 181, 32-40.	4.4	32
33	Comparison of Pore-Size Distribution of Soils Obtained by Different Methods. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	18
34	Periodic boundary conditions of discrete element method-lattice Boltzmann method for fluid-particle coupling. <i>Granular Matter</i> , 2017, 19, 1.	2.2	22
35	Effect of drying environment on engineering properties of an expansive soil and its microstructure. <i>Journal of Mountain Science</i> , 2017, 14, 1194-1201.	2.0	26
36	Numerical modelling of fluid-induced soil erosion in granular filters using a coupled bonded particle lattice Boltzmann method. <i>Computers and Geotechnics</i> , 2017, 82, 134-143.	4.7	47

#	ARTICLE	IF	CITATIONS
37	Coupled bonded particle and lattice Boltzmann method for modelling fluid-solid interaction. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 1383-1401.	3.3	33
38	Effects of sample dimensions and shapes on measuring soil-water characteristic curves using pressure plate. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 463-468.	8.1	20
39	Dynamic characteristics of lime-treated expansive soil under cyclic loading. Journal of Rock Mechanics and Geotechnical Engineering, 2012, 4, 352-359.	8.1	19
40	Study on Dynamical Modulus and Damping Ratio of Lime-Treated Soil. Advanced Materials Research, 0, 487, 534-538.	0.3	2