

Feng Jin

List of Publications by Year in descending order

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88
papers

1,682
citations

304602

22
h-index

345118

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89
all docs

89
docs citations

89
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Elementary behavior of dual-particle composites cemented by self-compacting mortar: Experimental and constitutive modelling. <i>Construction and Building Materials</i> , 2022, 320, 126232.	3.2	3
2	A novel reconstruction method of temperature field for thermomechanical stress analysis of arch dams. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 188, 110585.	2.5	6
3	Probing Fabric Evolution and Reliquefaction Resistance of Sands Using Discrete-Element Modeling. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	17
4	On the elastic modulus of rock-filled concrete. <i>Construction and Building Materials</i> , 2022, 340, 127819.	3.2	7
5	Seismic Amplification of Soil Ground with Spatially Varying Shear Wave Velocity Using 2D Spectral Element Method. <i>Journal of Earthquake Engineering</i> , 2021, 25, 2834-2849.	1.4	16
6	Effects of Strain History and Induced Anisotropy on Reliquefaction Resistance of Toyoura Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	1.5	25
7	Experimental investigation into mode-I interfacial fracture behavior between rock and self-compacting concrete in rock-filled concrete. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108047.	2.0	10
8	Field prototype experiment of rockfill temperature before SCC filling for rock-filled concrete dam. , 2021, , .		0
9	On-site experiment methods on the compaction detection of rock-filled concrete. , 2021, , .		0
10	Construction information management system for rock-filled concrete dam (CIM4R). , 2021, , .		0
11	Evaluation of the particle size distribution of on-site rockfill using mask R-CNN deep learning model. , 2021, , .		3
12	A Modified Frequency-Dependent Equivalent Linear Method for Seismic Site Response Analyses and Model Validation using KiK-Net Borehole Arrays. <i>Journal of Earthquake Engineering</i> , 2020, 24, 827-844.	1.4	9
13	Effectiveness of Pile Reinforcement in Liquefied Ground. <i>Journal of Earthquake Engineering</i> , 2020, 24, 1222-1244.	1.4	9
14	Study on support time in double-shield TBM tunnel based on self-compacting concrete backfilling material. <i>Tunnelling and Underground Space Technology</i> , 2020, 96, 103212.	3.0	17
15	A Simple Approach for Generating Random Aggregate Model of Concrete Based on Laguerre Tessellation and Its Application Analyses. <i>Materials</i> , 2020, 13, 3896.	1.3	3
16	Discrete-Element Modeling of Cemented Granular Material Using Mixed-Mode Cohesive Zone Model. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	7
17	An improved method for estimating life losses from dam failure in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 1263-1279.	1.9	5
18	Numerical Investigation on Interaction Between Structurally Cemented Stone Column-Seawall System and In Situ Sea Mud. <i>International Journal of Ocean and Coastal Engineering</i> , 2020, 03, .	0.3	0

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19	Nonlinear Seismic Response Analysis of High Arch Dams to Spatially-Varying Ground motions. International Journal of Civil Engineering, 2019, 17, 487-493.	0.9	11
20	Research on Rock-Filled Concrete Dam. International Journal of Civil Engineering, 2019, 17, 495-500.	0.9	13
21	Experimental Study on Foci Development in Mortar Using Seawater and Sand. Materials, 2019, 12, 1799.	1.3	3
22	Pilot Study on Vibrated Rock-filled Concrete. Journal of Advanced Concrete Technology, 2019, 17, 559-570.	0.8	3
23	Lattice Boltzmann-Discrete Element Modeling Simulation of SCC Flowing Process for Rock-Filled Concrete. Materials, 2019, 12, 3128.	1.3	7
24	Mechanical Behavior of Cemented Granular Aggregates under Uniaxial Compression. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	13
25	An Efficient Computational Model for Simulating Stress-dependent Flow in Three-dimensional Discrete Fracture Networks. KSCE Journal of Civil Engineering, 2019, 23, 1384-1394.	0.9	4
26	Transient Analysis of Dam-Reservoir Interaction Using a High-Order Doubly Asymptotic Open Boundary. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	2
27	Performance of On-Site Earthquake Early Warning System Using Strong-Motion Records from Recent Earthquakes. Natural Hazards Review, 2019, 20, 04018030.	0.8	4
28	Three-dimensional material point method modeling of runout behavior of the Hongshiyuan landslide. Canadian Geotechnical Journal, 2019, 56, 1318-1337.	1.4	45
29	Novel method for groyne erosion stability evaluation. Marine Georesources and Geotechnology, 2018, 36, 10-29.	1.2	6
30	Numerical simulation of submarine landslide tsunamis using particle based methods. Journal of Hydrodynamics, 2017, 29, 542-551.	1.3	22
31	Real-time hybrid simulation of the size effect of tuned liquid dampers. Structural Control and Health Monitoring, 2017, 24, e1962.	1.9	19
32	System identification and modal analysis of an arch dam based on earthquake response records. Soil Dynamics and Earthquake Engineering, 2017, 92, 109-121.	1.9	33
33	Numerical study of a sphere descending along an inclined slope in a liquid. Granular Matter, 2017, 19, 1.	1.1	6
34	Experimental Study on Specific Heat of Concrete at High Temperatures and Its Influence on Thermal Energy Storage. Energies, 2017, 10, 33.	1.6	24
35	Real-time hybrid simulation of multi-story structures installed with tuned liquid damper. Structural Control and Health Monitoring, 2016, 23, 1015-1031.	1.9	48
36	Three-dimensional simulations of Bingham plastic flows with the multiple-relaxation-time lattice Boltzmann model. Engineering Applications of Computational Fluid Mechanics, 2016, 10, 346-358.	1.5	13

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37	Experimental Study on Effects of Casting Procedures on Compressive Strength, Water Permeability, and Interfacial Transition Zone Porosity of Rock-Filled Concrete. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	19
38	Seismic Performance of Tuned Liquid Column Dampers for Structural Control Using Real-Time Hybrid Simulation. <i>Journal of Earthquake Engineering</i> , 2016, 20, 1370-1390.	1.4	20
39	Comparison of explicit integration algorithms for real-time hybrid simulation. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 89-114.	2.3	17
40	Seismic performance assessment of arch dams using incremental nonlinear dynamic analysis. <i>European Journal of Environmental and Civil Engineering</i> , 2015, 19, 305-326.	1.0	35
41	On granular elasticity. <i>Scientific Reports</i> , 2015, 5, 9652.	1.6	19
42	Seismic stability assessment of an arch dam-foundation system. <i>Earthquake Engineering and Engineering Vibration</i> , 2015, 14, 517-526.	1.1	18
43	Stability analysis of MDOF real-time dynamic hybrid testing systems using the discrete-time root locus technique. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 221-241.	2.5	32
44	Experimental study of the interfacial transition zone (ITZ) of model rock-filled concrete (RFC). <i>Cement and Concrete Composites</i> , 2015, 55, 223-231.	4.6	123
45	Simulation of large-scale numerical substructure in real-time dynamic hybrid testing. <i>Earthquake Engineering and Engineering Vibration</i> , 2014, 13, 599-609.	1.1	17
46	Experimental study of filling capacity of self-compacting concrete and its influence on the properties of rock-filled concrete. <i>Cement and Concrete Research</i> , 2014, 56, 121-128.	4.6	36
47	Studies on structural and mechanical properties under isostatic compression with large-scale discrete element simulations. <i>Acta Mechanica Solida Sinica</i> , 2014, 27, 129-136.	1.0	4
48	Simulations of Bingham plastic flows with the multiple-relaxation-time lattice Boltzmann model. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 532-540.	2.0	24
49	Reflection and Transmission of Plane Waves at a Water-Porous Sediment Interface with a Double-Porosity Substrate. <i>Transport in Porous Media</i> , 2014, 103, 25-45.	1.2	24
50	Real-Time Dynamic Hybrid Testing Coupling Finite Element and Shaking Table. <i>Journal of Earthquake Engineering</i> , 2014, 18, 637-653.	1.4	22
51	Rock-filled concrete, the new norm of SCC in hydraulic engineering in China. <i>Cement and Concrete Composites</i> , 2014, 54, 89-99.	4.6	68
52	Development of a family of explicit algorithms for structural dynamics with unconditional stability. <i>Nonlinear Dynamics</i> , 2014, 77, 1157-1170.	2.7	71
53	A unified approach for long-term behavior and seismic response of AAR-affected concrete dams. <i>Soil Dynamics and Earthquake Engineering</i> , 2014, 63, 193-202.	1.9	26
54	Meso-scale particle modeling of concrete deterioration caused by alkali-aggregate reaction. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 2690-2705.	1.7	12

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55	Chemo-damage modeling and cracking analysis of AAR-affected concrete dams. Science China Technological Sciences, 2013, 56, 1449-1457.	2.0	14
56	Mesoscopic properties of dense granular materials: An overview. Frontiers of Structural and Civil Engineering, 2013, 7, 1-12.	1.2	2
57	Force fluctuations in sheared granular disks. Frontiers of Structural and Civil Engineering, 2013, 7, 46-49.	1.2	0
58	Application of granular solid hydrodynamics to a well-graded unbound granular material undergoing triaxial tests. Frontiers of Structural and Civil Engineering, 2013, 7, 83-88.	1.2	3
59	Accuracy of the half-power bandwidth method with a third-order correction for estimating damping in multi-DOF systems. Earthquake Engineering and Engineering Vibration, 2013, 12, 33-38.	1.1	26
60	Finite Element Analysis of Dam-Reservoir Interaction Using High-Order Doubly Asymptotic Open Boundary. , 2013, , 173-198.		0
61	Seismic Safety Evaluation of High Concrete Dams. , 2013, , 67-78.		2
62	Earthquake damage analysis of arch dams considering dam-water-foundation interaction. Soil Dynamics and Earthquake Engineering, 2013, 49, 64-74.	1.9	55
63	Numerical prediction of swelling in concrete arch dams affected by alkali-aggregate reaction. European Journal of Environmental and Civil Engineering, 2013, 17, 231-247.	1.0	26
64	Energy characteristics of simple shear granular flows. Granular Matter, 2013, 15, 119-128.	1.1	15
65	A CENTRIFUGE TEST FOR THE DYNAMIC STABILITY OF ARCH DAM-ABUTMENT SYSTEMS. Journal of Earthquake and Tsunami, 2013, 07, 1350032.	0.7	2
66	Seismic Safety of Arch Dams with Aging Effects. , 2013, , 387-406.		0
67	Numerical Simulation of Reinforcement Strengthening for High-Arch Dams to Resist Strong Earthquakes. , 2013, , 341-368.		0
68	Measurement and Evaluation of the Thermal Expansion Coefficient of Rock-Filled Concrete. Journal of Testing and Evaluation, 2013, 41, 951-958.	0.4	7
69	Chemo-Damage Model for Concrete Anisotropic Expansion Caused by Alkali-Aggregate Reaction. Applied Mechanics and Materials, 2012, 204-208, 3230-3235.	0.2	0
70	Nonlinear earthquake analysis of high arch dam-water-foundation rock systems. Earthquake Engineering and Structural Dynamics, 2012, 41, 1157-1176.	2.5	51
71	3D mode discrete element method with the elastoplastic model. Frontiers of Structural and Civil Engineering, 2012, 6, 57-68.	1.2	6
72	Numerical study on energy transformation in granular matter under biaxial compression. Granular Matter, 2011, 13, 503-510.	1.1	31

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73	Elastic energy and relaxation in triaxial compressions. <i>Granular Matter</i> , 2011, 13, 743-750.	1.1	11
74	Seismic safety of arch dams with aging effects. <i>Science China Technological Sciences</i> , 2011, 54, 522-530.	2.0	17
75	Time-domain analysis of gravity dam-reservoir interaction using high-order doubly asymptotic open boundary. <i>Computers and Structures</i> , 2011, 89, 668-680.	2.4	33
76	A comparative study of the different procedures for seismic cracking analysis of concrete dams. <i>Soil Dynamics and Earthquake Engineering</i> , 2011, 31, 1594-1606.	1.9	67
77	Finite Element Analysis of Dam-Reservoir Interaction Using High-Order Doubly Asymptotic Open Boundary. <i>Mathematical Problems in Engineering</i> , 2011, 2011, 1-23.	0.6	6
78	Delay-dependent stability and added damping of SDOF real-time dynamic hybrid testing. <i>Earthquake Engineering and Engineering Vibration</i> , 2010, 9, 425-438.	1.1	29
79	Visualization of force networks in 2D dense granular materials. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2010, 4, 109-115.	0.4	7
80	Practical procedure for predicting non-uniform temperature on the exposed face of arch dams. <i>Applied Thermal Engineering</i> , 2010, 30, 2146-2156.	3.0	53
81	UNDERSTANDING FORCE CHAINS IN DENSE GRANULAR MATERIALS. <i>International Journal of Modern Physics B</i> , 2010, 24, 5743-5759.	1.0	56
82	Analytical solutions for dynamic pressures of coupling fluid-porous medium-solid due to SV wave incidence. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009, 33, 1467-1484.	1.7	24
83	Modelling autogenous expansion for magnesia concrete in arch dams. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2008, 2, 211-218.	0.4	4
84	A fixed-grid bidirectional evolutionary structural optimization method and its applications in tunnelling engineering. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 73, 1788-1810.	1.5	19
85	Numerical simulation of reinforcement strengthening for high arch dams to resist strong earthquakes. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 1739-1761.	2.5	21
86	A coupling procedure of FE and SBFE for soil-structure interaction in the time domain. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 59, 1453-1471.	1.5	51
87	Analytical and experimental study on wave propagation problems in orthotropic media. <i>Science Bulletin</i> , 2001, 46, 289-296.	1.7	0
88	Non-linear seismic response of arch dams with contraction joint opening and joint reinforcements. <i>Earthquake Engineering and Structural Dynamics</i> , 2000, 29, 1547-1566.	2.5	44