

Sheng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,164
citations

331670

21
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254184

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docs citations

84
times ranked

3353
citing authors

#	ARTICLE	IF	CITATIONS
1	The load transfer mechanism in reinforced piled embankment under cyclic loading and unloading. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 1364-1378.	2.1	6
2	Particle breakage of granular soils: changing critical state line and constitutive modelling. <i>Acta Geotechnica</i> , 2022, 17, 755-768.	5.7	14
3	Particle Breakage Observed in Both Transitional and Non-transitional Carbonate Sands. <i>Lecture Notes in Civil Engineering</i> , 2022, , 935-943.	0.4	0
4	Unique relation between pore water pressure generated at the first loading cycle and liquefaction resistance. <i>Engineering Geology</i> , 2022, 296, 106476.	6.3	15
5	On compression behavior and particle breakage of carbonate silty sands. <i>Engineering Geology</i> , 2022, 297, 106492.	6.3	7
6	An Investigation of the Influence of Reconsolidation Properties on the Reliquefaction Resistance of Sand by Element Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	9
7	Experimental evaluation of the performance of a geotextile for a pressure-grouted soil nail. <i>Geotextiles and Geomembranes</i> , 2022, 50, 498-509.	4.6	4
8	A mathematic model for the soil freezing characteristic curve: the roles of adsorption and capillarity. <i>Cold Regions Science and Technology</i> , 2021, 181, 103178.	3.5	21
9	Permeability stability calculation model of foam-conditioned soil based on the permeability constant. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 540-559.	3.3	11
10	Nth-order rogue waves for the AB system via the determinants. <i>Applied Mathematics Letters</i> , 2021, 112, 106714.	2.7	20
11	Numerical Modeling of Water-Vapor Migration and Phase Transformation in Unsaturated Freezing Soils. <i>Lecture Notes in Civil Engineering</i> , 2021, , 925-931.	0.4	0
12	Experimental Investigation and Numerical Modeling of Coupled Elastoplastic Damage and Permeability of Saturated Hard Rock. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 1151-1169.	5.4	14
13	Experimental study of particle migration under cyclic loading: effects of load frequency and load magnitude. <i>Acta Geotechnica</i> , 2021, 16, 367-380.	5.7	17
14	CCNI2 plays a promoting role in the progression of colorectal cancer. <i>Cancer Medicine</i> , 2021, 10, 1913-1924.	2.8	2
15	Generalising the Kozeny-Carman equation to frozen soils. <i>Journal of Hydrology</i> , 2021, 594, 125885.	5.4	23
16	A generalized Hellinger-Reissner variational principle and its PFEM formulation for dynamic analysis of saturated porous media. <i>Computers and Geotechnics</i> , 2021, 132, 103994.	4.7	21
17	Cage-Expansion of Fullerenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12450-12454.	13.7	19
18	High-order irregular dark solitons for the AB system. <i>Physica Scripta</i> , 2021, 96, 105214.	2.5	1

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19	Thiophene-Based Double Helices: Radical Cations with SOMO's HOMO Energy Level Inversion. <i>Photochemistry and Photobiology</i> , 2021, 97, 1376-1390.	2.5	9
20	A semi-analytical model for a compaction-grouted soil nail with double grout bulbs considering compaction effect in sand. <i>Transportation Geotechnics</i> , 2021, 31, 100670.	4.5	3
21	Pumping effect of rainfall-induced excess pore pressure on particle migration. <i>Transportation Geotechnics</i> , 2021, 31, 100669.	4.5	4
22	Spatiotemporal distortion effects and interaction properties for certain nonlinear waves of the generalized AB system. <i>Nonlinear Dynamics</i> , 2021, 106, 2415-2429.	5.2	6
23	Peripheral Lymphocyte Subsets Absolute Counts as Feasible Clinical Markers for Predicting Surgical Outcome in Gastric Cancer Patients After Laparoscopic D2 Gastrectomy: A Prospective Cohort Study. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5633-5646.	3.5	5
24	Wave-packet behaviors of the defocusing nonlinear Schrödinger equation based on the modified physics-informed neural networks. <i>Chaos</i> , 2021, 31, 113107.	2.5	14
25	An analysis of vapour transfer in unsaturated freezing soils. <i>Cold Regions Science and Technology</i> , 2020, 169, 102914.	3.5	14
26	Parameterization of soil freezing characteristic curve for unsaturated soils. <i>Cold Regions Science and Technology</i> , 2020, 170, 102928.	3.5	51
27	Long-term setup of a displacement pile in clay: An analytical framework. <i>Ocean Engineering</i> , 2020, 218, 108143.	4.3	10
28	A frost heave model of unsaturated coarse-grained soil considering vapour transfer. <i>E3S Web of Conferences</i> , 2020, 195, 02017.	0.5	0
29	A Numerical Model of Vapour Transfer and Phase Change in Unsaturated Freezing Soils. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-11.	0.7	0
30	Critical dynamic stress and shakedown limit criterion of coarse-grained subgrade soil. <i>Transportation Geotechnics</i> , 2020, 23, 100354.	4.5	26
31	Designed Polymer Donors to Match an Amorphous Polymer Acceptor in All-Polymer Solar Cells. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2274-2281.	4.3	11
32	Utilization of Coal Gangue Aggregate for Railway Roadbed Construction in Practice. <i>Sustainability</i> , 2020, 12, 4583.	3.2	18
33	Implement the particle finite element method in ABAQUS. <i>Japanese Geotechnical Society Special Publication</i> , 2020, 8, 70-75.	0.2	0
34	The compaction effect on the performance of a compaction-grouted soil nail in sand. <i>Acta Geotechnica</i> , 2020, 15, 2983-2995.	5.7	39
35	Particle breakage of uniformly graded carbonate sands in dry/wet condition subjected to compression/shear tests. <i>Acta Geotechnica</i> , 2020, 15, 2379-2394.	5.7	37
36	A mathematical model of tortuosity in soil considering particle arrangement. <i>Vadose Zone Journal</i> , 2020, 19, e20004.	2.2	13

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37	High level of unmet needs and anxiety are associated with delayed initiation of adjuvant chemotherapy for colorectal cancer patients. <i>Supportive Care in Cancer</i> , 2020, 28, 5299-5306.	2.2	21
38	New Method to Evaluate Strengthen Efficiency by Dynamic Compaction. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	16
39	Dynamic profile of RT-PCR findings from 301 COVID-19 patients in Wuhan, China: A descriptive study. <i>Journal of Clinical Virology</i> , 2020, 127, 104346.	3.1	150
40	False negative of RT-PCR and prolonged nucleic acid conversion in COVID-19: Rather than recurrence. <i>Journal of Medical Virology</i> , 2020, 92, 1755-1756.	5.0	435
41	Modelling frost heave in unsaturated coarse-grained soils. <i>Acta Geotechnica</i> , 2020, 15, 3307-3320.	5.7	31
42	Profile of RT-PCR for SARS-CoV-2: A Preliminary Study From 56 COVID-19 Patients. <i>Clinical Infectious Diseases</i> , 2020, 71, 2249-2251.	5.8	206
43	Negative Effect of Installation on Performance of a Compaction-Grouted Soil Nail in Poorly Graded Stockton Beach Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	17
44	A unified thermal-hardening and thermal-softening constitutive model of soils. <i>Applied Mathematical Modelling</i> , 2019, 74, 73-84.	4.2	12
45	A stochastic particle breakage model for granular soils subjected to one-dimensional compression with emphasis on the evolution of coordination number. <i>Computers and Geotechnics</i> , 2019, 112, 72-80.	4.7	36
46	Seismic Active Earth Pressure for Soils with Tension Cracks. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	17
47	Evaluating the Influence of Specimen Preparation on Saturated Hydraulic Conductivity Using Nuclear Magnetic Resonance Technology. <i>Vadose Zone Journal</i> , 2019, 18, 1-7.	2.2	18
48	An analytical model for evaporation from unsaturated soil. <i>Computers and Geotechnics</i> , 2019, 108, 107-116.	4.7	34
49	A unified constitutive model for unsaturated soil under monotonic and cyclic loading. <i>Acta Geotechnica</i> , 2019, 14, 313-328.	5.7	25
50	Numerical Modelling of Vapour-Ice Desublimation Process in Unsaturated Freezing Soils. <i>Environmental Science and Engineering</i> , 2019, , 560-568.	0.2	1
51	Risk assessment model of tunnel water inrush based on improved attribute mathematical theory. <i>Journal of Central South University</i> , 2018, 25, 379-391.	3.0	22
52	A coupled model for liquid water-vapor-heat migration in freezing soils. <i>Cold Regions Science and Technology</i> , 2018, 148, 22-28.	3.5	35
53	A simple particle-size distribution model for granular materials. <i>Canadian Geotechnical Journal</i> , 2018, 55, 246-257.	2.8	16
54	Numerical Study of the Dynamic Compaction Process considering the Phenomenon of Particle Breakage. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-10.	0.7	4

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55	All-Thiophene-Based Double Helix: Synthesis, Crystal Structure, Chiroptical Property and Arylation. ACS Omega, 2018, 3, 16014-16020.	3.5	6
56	Thermo-elastoplastic Model for Soft Rock Considering Effects of Structure and Overconsolidation. Rock Mechanics and Rock Engineering, 2018, 51, 3771-3784.	5.4	12
57	Polymer Electron Acceptors Based on Iso-Naphthalene Diimide Unit with High LUMO Levels. Macromolecular Chemistry and Physics, 2017, 218, 1600606.	2.2	15
58	A unified thermo-elasto-viscoplastic model for soft rock. International Journal of Rock Mechanics and Minings Sciences, 2017, 93, 1-12.	5.8	29
59	Evolution of mechanical properties of soils subsequent to a pile jacked in natural saturated clays. Ocean Engineering, 2017, 136, 209-217.	4.3	11
60	A thermo-elastoplastic model for soft rocks considering structure. Comptes Rendus - Mecanique, 2017, 345, 752-763.	2.1	4
61	A theoretical method for determining sample mass in a sieving test. Computers and Geotechnics, 2017, 91, 12-16.	4.7	6
62	A New Mechanism of Canopy Effect in Unsaturated Freezing Soils. E3S Web of Conferences, 2016, 9, 16008.	0.5	1
63	Modelling water content redistribution during evaporation from sandy soil in the presence of water table. Computers and Geotechnics, 2016, 75, 210-224.	4.7	31
64	Importance of vapor flow in unsaturated freezing soil: a numerical study. Cold Regions Science and Technology, 2016, 126, 1-9.	3.5	73
65	Effect of temperature on the time-dependent behavior of geomaterials. Comptes Rendus - Mecanique, 2016, 344, 603-611.	2.1	4
66	Thiophene-Based Double Helices: Syntheses, X-ray Structures, and Chiroptical Properties. Journal of the American Chemical Society, 2016, 138, 10002-10010.	13.7	39
67	Fullerene Adducts Bearing Cyano Moiety for Both High Dielectric Constant and Good Active Layer Morphology of Organic Photovoltaics. Advanced Functional Materials, 2016, 26, 6107-6113.	14.9	36
68	Thermo-elastoplastic constitutive model for unsaturated soils. Acta Geotechnica, 2016, 11, 1287-1302.	5.7	18
69	Analysis of frost heave mechanisms in a high-speed railway embankment. Canadian Geotechnical Journal, 2016, 53, 520-529.	2.8	73
70	New constructive model for structures soil. Geomechanics and Engineering, 2016, 11, 725-738.	0.9	2
71	Numerical investigation on vapor transfer in unsaturated soil during freezing. Japanese Geotechnical Society Special Publication, 2015, 1, 29-34.	0.2	4
72	A new structured subloading cam clay model. Japanese Geotechnical Society Special Publication, 2015, 1, 61-65.	0.2	1

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73	Modification of thermo-elasto-viscoplastic model for soft rock and its application to THM analysis of heating tests. <i>Soils and Foundations</i> , 2014, 54, 176-196.	3.1	17
74	Thermo-hydro-mechanical-air coupling finite element method and its application to multi-phase problems. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2014, 6, 77-98.	8.1	10
75	From N,N-diphenyl-N-naphtho[2,1-b]thieno[2,3-b:3â€²,2â€²-d]dithiophene-5-yl-amine to propeller-shaped N,N,N-tri(naphtho[2,1-b]thieno[2,3-b:3â€²,2â€²-d]dithiophene-5-yl)-amine: syntheses and structures. <i>Tetrahedron</i> , 2014, 70, 3909-3914.	1.9	6
76	Long-term settlement prediction of high-speed railway bridge pile foundation. <i>Journal of Central South University</i> , 2014, 21, 2415-2424.	3.0	17
77	Experimental Study on Compression Modulus of Sandy Soil. , 2013, , .		0
78	Assessing frost susceptibility of soils using PCHeave. <i>Cold Regions Science and Technology</i> , 2013, 95, 27-38.	3.5	95
79	Unanswered questions in unsaturated soil mechanics. <i>Science China Technological Sciences</i> , 2013, 56, 1257-1272.	4.0	9
80	Synthesis and Structure of Bullâ€™s Horn-Shaped Oligothiophenoacene with Seven Fused Thiophene Rings. <i>Journal of Organic Chemistry</i> , 2013, 78, 6271-6275.	3.2	24
81	Thermal Deformation of Cement-Asphalt Mortar under Repetitive Heating and Cooling. <i>Advanced Materials Research</i> , 2013, 639-640, 304-308.	0.3	2
82	A simple thermo-elastoplastic model for geomaterials. <i>International Journal of Plasticity</i> , 2012, 34, 93-113.	8.8	58
83	Characterization of Pore Structure of Hardened Cement-Asphalt Paste by Mercury Intrusion Porosimetry. <i>Advanced Materials Research</i> , 0, 1004-1005, 1589-1593.	0.3	1
84	Cageâ€™Opened C 60 Isomers with Different Reactivities. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	0