Jun Yang

List of Publications by Year
in descending order

116	5,404	81743	85405
papers	citations	39 h-index	71 g-index

121	121	121	2516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shear modulus and damping ratio of saturated coral sand under generalised cyclic loadings. Geotechnique, 2024, 74, 116-133.	2.2	11
2	Characterising the effect of particle size disparity on liquefaction resistance of non-plastic silty sands from a critical state perspective. Geotechnique, 2023, 73, 323-336.	2.2	8
3	Undrained anisotropy and cyclic resistance of saturated silt subjected to various patterns of principal stress rotation. Geotechnique, 2020, 70, 317-331.	2.2	41
4	Critical state of polymer-coated sands. Geotechnique, 2020, 70, 839-841.	2.2	3
5	Influence of particle-size disparity on cyclic liquefaction resistance of silty sands. Geotechnique Letters, 2020, 10, 155-161.	0.6	9
6	Critical state of polymer-coated sands. Geotechnique, 2019, 69, 841-846.	2.2	18
7	Effect of scour on the structural response of an offshore wind turbine supported on tripod foundation. Applied Ocean Research, 2018, 73, 179-189.	1.8	39
8	Discrete Element Analysis of the K ₀ of Granular Soil and Its Relation to Small Strain Shear Stiffness. International Journal of Geomechanics, 2018, 18, .	1.3	14
9	Soil-tunnel interaction modelling for shield tunnels considering shearing dislocation in longitudinal joints. Tunnelling and Underground Space Technology, 2018, 78, 168-177.	3.0	155
10	Shear wave velocity in sand: effect of grain shape. Geotechnique, 2018, 68, 742-748.	2.2	71
11	Field Measurement and Analysis of Ground Vibration Induced by High-Speed Train. , 2018, , 119-132.		1
12	A unified framework for evaluating in situ state of sand with varying fines content. Geotechnique, 2018, 68, 177-183.	2.2	18
13	The critical state friction angle of granular materials: does it depend on grading?. Acta Geotechnica, 2018, 13, 535-547.	2.9	78
14	Laboratory Measurements of the Dynamic Properties of Shanghai Clay. , 2018, , 585-592.		1
15	Transient dynamic response of a shallow buried lined tunnel in saturated soil. Soil Dynamics and Earthquake Engineering, 2017, 94, 13-17.	1.9	11
16	Micromechanical origin of angle of repose in granular materials. Granular Matter, 2017, 19, 1.	1.1	28
17	Numerical analysis of the long-term performance of offshore wind turbines supported by monopiles. Ocean Engineering, 2017, 136, 94-105.	1.9	56
18	Field measurement and FE prediction of vibration reduction due to pile-raft foundation for high-tech workshop. Soil Dynamics and Earthquake Engineering, 2017, 101, 264-268.	1.9	12

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19	Shear Strength of Assemblies of Frictionless Particles. International Journal of Geomechanics, 2017, 17, .	1.3	10
20	Identification of Tunnel Settlement Caused by Land Subsidence in Soft Deposit of Shanghai. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	139
21	Three-dimensional dynamic response of a lined tunnel in a half-space of saturated soil under internal explosive loading. Soil Dynamics and Earthquake Engineering, 2017, 101, 157-161.	1.9	12
22	Multiobjective Path Optimization for Critical Infrastructure Links with Consideration to Seismic Resilience. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 836-855.	6.3	40
23	Determination of seismic compression of sand subjected to two horizontal components of earthquake ground motions. Soil Dynamics and Earthquake Engineering, 2017, 92, 330-333.	1.9	12
24	Effect of Particle Shape on the Formation of Sandpile. Springer Proceedings in Physics, 2017, , 767-776.	0.1	6
25	Shear wave velocity and shear modulus of silty sand. Japanese Geotechnical Society Special Publication, 2016, 2, 907-910.	0.2	0
26	Small-strain shear modulus of volcanic granular soil: An experimental investigation. Soil Dynamics and Earthquake Engineering, 2016, 86, 15-24.	1.9	33
27	Shear wave velocity and stiffness of sand: the role of non-plastic fines. Geotechnique, 2016, 66, 500-514.	2.2	119
28	An exact solution for three-dimensional (3D) dynamic response of a cylindrical lined tunnel in saturated soil to an internal blast load. Soil Dynamics and Earthquake Engineering, 2016, 90, 32-37.	1.9	19
29	PS wave based parallel seismic test for pile length assessment. Soils and Foundations, 2016, 56, 440-448.	1.3	4
30	Observed Effects of Interparticle Friction and Particle Size on Shear Behavior of Granular Materials. International Journal of Geomechanics, 2016, 16, .	1.3	74
31	DEM investigation on the effect of sample preparation on the shear behavior of granular soil. Particuology, 2016, 25, 111-121.	2.0	35
32	Theoretical analysis of a row of piles as passive barriers and an equivalent in-filled trench model. Journal of Central South University, 2015, 22, 1919-1928.	1.2	1
33	State variables for silty sands: Global void ratio or skeleton void ratio?. Soils and Foundations, 2015, 55, 99-111.	1.3	75
34	A numerical analysis of the shear behavior of granular soil with fines. Particuology, 2015, 21, 160-172.	2.0	55
35	The influence of the degree of saturation on dynamic response of a cylindrical lined cavity in a nearly saturated medium. Soil Dynamics and Earthquake Engineering, 2015, 71, 27-30.	1.9	12
36	Exploring the relationship between critical state and particle shape for granular materials. Journal of the Mechanics and Physics of Solids, 2015, 84, 196-213.	2.3	258

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37	Numerical prediction of ground vibrations induced by high-speed trains including wheelâ€“railâ€“soil coupled effects. Soil Dynamics and Earthquake Engineering, 2015, 77, 274-278.	1.9	16
38	Bender element tests in dry and saturated sand: Signal interpretation and result comparison. Soils and Foundations, 2015, 55, 951-962.	1.3	116
39	Laboratory Measurement of Small-Strain Shear Modulus of Volcanic Soil. , 2014, , .		6
40	On the role of grain shape in static liquefaction of sandâ€“fines mixtures. Geotechnique, 2014, 64, 740-745.	2.2	71
41	Failure Modes of Sand in Undrained Cyclic Loading: Impact of Sample Preparation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 152-169.	1.5	172
42	Pore-pressure generation and fluidization in a loess landslide triggered by the 1920 Haiyuan earthquake, China: A case study. Engineering Geology, 2014, 174, 36-45.	2.9	106
43	Identifying boundary between near field and far field in ground vibration caused by surface loading. Journal of Central South University, 2014, 21, 3284-3294.	1.2	12
44	Micro-scale modeling of anisotropy effects on undrained behavior of granular soils. Granular Matter, 2013, 15, 557-572.	1.1	45
45	Generalized Approach for Prediction of Jet Grout Column Diameter. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 2060-2069.	1.5	236
46	DEM simulations of the small strain stiffness of granular soils: effect of stress ratio. Granular Matter, 2013, 15, 287-298.	1.1	56
47	Laboratory investigation on relationship between degree of saturation, B-value and P-wave velocity. Journal of Central South University, 2013, 20, 2001-2007.	1.2	12
48	Laboratory measurements of small strain properties of dry sands by bender element. Soils and Foundations, 2013, 53, 735-745.	1.3	110
49	A discrete element analysis of elastic properties of granular materials. Granular Matter, 2013, 15, 139-147.	1.1	92
50	An analytical solution for the transient response of a cylindrical lined cavity in a poroelastic medium. Soil Dynamics and Earthquake Engineering, 2013, 46, 30-40.	1.9	29
51	Shear stiffness of granular material at small strains: does it depend on grain size?. Geotechnique, 2013, 63, 165-179.	2.2	162
52	Undrained shear behavior of loess saturated with different concentrations of sodium chloride solution. Engineering Geology, 2013, 155, 69-79.	2.9	172
53	Closure to â€œCyclic Strength of Sand under Sustained Shear Stressâ€•by J. Yang and H. Y. Sze. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 837-839.	1.5	1
54	On Correction Factors for Liquefaction Analysis of Embankments and Slopes. , 2013, , .		0

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55	On the physical meaning of equivalent skeleton void ratio for granular soil with fines. , 2013, , .		1
56	Is the quasi-steady state a real behaviour? A micromechanical perspective. J. YANG and B. B. DAI (2011).GÃ©otechnique61, No. 2, 175â€“183, http://dx.doi.org/10.1680/geot.8.P.129. Geotechnique, 2012, 62, 466-468.	2.2	2
57	Collapse of loose sand with the addition of fines: the role of particle shape. Geotechnique, 2012, 62, 1111-1125.	2.2	251
58	Improved Evaluation of Interface Friction on Steel Pipe Pile in Sand. Journal of Performance of Constructed Facilities, 2012, 26, 170-179.	1.0	17
59	Estimation of the Diameter of Jet-Grouted Column Based on Turbulent Kinematic Flow Theory. , 2012, , .		21
60	Base Capacity of Open-Ended Steel Pipe Piles in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1116-1128.	1.5	74
61	On the influence of inter-particle friction and dilatancy in granular materials: a numerical analysis. Granular Matter, 2012, 14, 433-447.	1.1	81
62	Mechanism and Assessment of Interface Shear between Steel Pipe Pile and Sand. , 2011, , .		5
63	Relating the maximum radial stress on pile shaft to pile base resistance. Geotechnique, 2011, 61, 1087-1092.	2.2	0
64	Static liquefaction behavior of saturated fiber-reinforced sand in undrained ring-shear tests. Geotextiles and Geomembranes, 2011, 29, 462-471.	2.3	87
65	Dynamic response of deep soft soil deposits under multidirectional earthquake loading. Engineering Geology, 2011, 121, 55-65.	2.9	26
66	Cyclic Strength of Sand under Sustained Shear Stress. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1275-1285.	1.5	80
67	Cyclic behaviour and resistance of saturated sand under non-symmetrical loading conditions. Geotechnique, 2011, 61, 59-73.	2.2	182
68	Is the quasi-steady state a real behaviour? A micromechanical perspective. Geotechnique, 2011, 61, 175-183.	2.2	58
69	DEM analysis of soil fabric effects on behaviour of sand S. YIMSIRI and K. SOGA (2010).GÃ©otechnique60, No. 6, 483â€“495. Geotechnique, 2011, 61, 715-719.	2.2	6
70	Soil unit weight estimated from CPTu in offshore soils. , 2010, , 389-394.		0
71	Site response to multi-directional earthquake loading: A practical procedure. Soil Dynamics and Earthquake Engineering, 2009, 29, 710-721.	1.9	50
72	Factors affecting site response to multi-directional earthquake loading. Engineering Geology, 2009, 107, 77-87.	2.9	36

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73	Initial Static Shear Effect on Cyclic Liquefaction Behaviour of Sand. HKIE Transactions, 2009, 16, 56-62.	1.9	0
74	A stepwise damping-solvent extraction method for large-scale dynamic soilâ€“structure interaction analysis in time domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 415-436.	1.7	2
75	Interpretation of torsional shear results for nonlinear stressâ€“strain relationship. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1247-1266.	1.7	3
76	Three-Dimensional Noncoaxial Plasticity Modeling of Shear Band Formation in Geomaterials. Journal of Engineering Mechanics - ASCE, 2008, 134, 322-329.	1.6	47
77	Use of State-Dependent Strength in Estimating End Bearing Capacity of Piles in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1010-1014.	1.5	11
78	Discussion: On seismic landslide hazard assessment. Geotechnique, 2008, 58, 831-834.	2.2	0
79	Quantifying and modelling fabric anisotropy of granular soils. Geotechnique, 2008, 58, 237-248.	2.2	234
80	Seismic Performance of a River Dike Improved by Sand Compaction Piles. Journal of Performance of Constructed Facilities, 2008, 22, 381-390.	1.0	5
81	Closure to â€œObserved Performance of Long Steel H-piles Jacked into Sandy Soilsâ€•by J. Yang, L. G. Tham, P. K. K. Lee and F. Yu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 900-901.	1.5	0
82	On seismic landslide hazard assessment. Geotechnique, 2007, 57, 707-713.	2.2	13
83	Undrained anisotropy and rotational shear in granular soil. Geotechnique, 2007, 57, 371-384.	2.2	179
84	Discussion: Behaviour of jacked and driven piles in sandy soil. Geotechnique, 2007, 57, 475-478.	2.2	0
85	Closure to â€œFrequency-Dependent Amplification of Unsaturated Surface Soil Layerâ€•by J. Yang. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1332-1335.	1.5	0
86	An operator-split ALE model for large deformation analysis of geomaterials. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 1375-1399.	1.7	38
87	Characteristics of vertical and horizontal ground motions recorded during the Niigata-ken Chuetsu, Japan Earthquake of 23 October 2004. Engineering Geology, 2007, 94, 50-64.	2.9	38
88	Frequency-Dependent Amplification of Unsaturated Surface Soil Layer. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 526-531.	1.5	18
89	Behaviour of jacked and driven piles in sandy soil. Geotechnique, 2006, 56, 245-259.	2.2	85
90	Observed Performance of Long Steel H-Piles Jacked into Sandy Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 24-35.	1.5	37

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91	Long-Term Displacement of Concrete Anchor Foundation of Suspension Bridge in Soft Soils. , 2006, , 215.		1
92	A simple approach to integration of acceleration data for dynamic soilâ€“structure interaction analysis. Soil Dynamics and Earthquake Engineering, 2006, 26, 725-734.	1.9	122
93	Influence Zone for End Bearing of Piles in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1229-1237.	1.5	60
94	Influence of Water Saturation on Seismic Site Amplification. , 2006, , 193-198.		1
95	Discussion of â€œShaft Resistance of Single Vertical and Batter Piles Driven in Sandâ€•by A. Hanna and T. Q. Nguyen. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 137-138.	1.5	2
96	GROUND MOVEMENTS DUE TO EXCAVATION WITH LATERAL SUPPORTING SYSTEMS. , 2005, , .		0
97	Discussion of â€œKinematic Pile Response to Vertical P-Wave Seismic Excitationâ€•by George Mylonakis and George Gazetas. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 119-120.	1.5	1
98	State-Dependent Strength of Sands from the Perspective of Unified Modeling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 186-198.	1.5	102
99	Evaluating Liquefaction Strength of Partially Saturated Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 975-979.	1.5	80
100	Discussion of â€œPassive Earth Pressure with Critical State Conceptâ€•by Yung-Show Fang, Ying-Chieh Ho, and Tsang-Jiang Chen. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 960-961.	1.5	0
101	Saturation Effects of Soils on Ground Motion at Free Surface Due to Incident SV Waves. Journal of Engineering Mechanics - ASCE, 2002, 128, 1295-1303.	1.6	19
102	Horizontal and vertical components of earthquake ground motions at liquefiable sites. Soil Dynamics and Earthquake Engineering, 2002, 22, 229-240.	1.9	37
103	Non-uniqueness of flow liquefaction line for loose sand. Geotechnique, 2002, 52, 757-760.	2.2	85
104	Liquefaction resistance of sand in relation to P-wave velocity. Geotechnique, 2002, 52, 295-298.	2.2	13
105	Saturation effects on horizontal and vertical motions in a layered soilâ€“bedrock system due to inclined SV waves. Soil Dynamics and Earthquake Engineering, 2001, 21, 527-536.	1.9	32
106	Analytical study of saturation effects on seismic vertical amplification of a soil layer. Geotechnique, 2001, 51, 161-165.	2.2	10
107	Effects of Pore-Water Saturation on Seismic Reflection and Transmission from a Boundary of Porous Soils. Bulletin of the Seismological Society of America, 2000, 90, 1313-1317.	1.1	15
108	Computation of individual contributions of two compression waves in vibration of water-saturated soils. Computers and Geotechnics, 2000, 27, 79-100.	2.3	11

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109	Influence of water saturation on horizontal and vertical motion at a porous soil interface induced by incident SV wave. Soil Dynamics and Earthquake Engineering, 2000, 19, 339-346.	1.9	22
110	Influence of water saturation on horizontal and vertical motion at a porous soil interface induced by incident P wave. Soil Dynamics and Earthquake Engineering, 2000, 19, 575-581.	1.9	12
111	Title is missing!. Journal of Earthquake Engineering, 2000, 4, 1.	1.4	0
112	Interpretation of Seismic Vertical Amplification Observed at an Array Site. Bulletin of the Seismological Society of America, 2000, 90, 275-285.	1.1	139
113	IMPORTANCE OF FLOW CONDITION ON SEISMIC WAVES AT A SATURATED POROUS SOLID BOUNDARY. Journal of Sound and Vibration, 1999, 221, 391-413.	2.1	35
114	ON THE VIBRATION OF SATURATED LAYERED HALF-SPACE DUE TO LOW FREQUENCY EXCITATION. Journal of Sound and Vibration, 1998, 213, 561-568.	2.1	0
115	Dynamic response of saturated layered half-space with different hydraulic interface conditions. Archive of Applied Mechanics, 1998, 68, 677-688.	1.2	3
116	Differentiation of Noisy Experimental Data for Interpretation of Nonlinear Stress-Strain Behavior. Journal of Engineering Mechanics - ASCE, 1998, 124, 705-712.	1.6	13