

Jun Yang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Shear modulus and damping ratio of saturated coral sand under generalised cyclic loadings. <i>Geotechnique</i> , 2024, 74, 116-133.	4.0	11
2	Characterising the effect of particle size disparity on liquefaction resistance of non-plastic silty sands from a critical state perspective. <i>Geotechnique</i> , 2023, 73, 323-336.	4.0	8
3	Undrained anisotropy and cyclic resistance of saturated silt subjected to various patterns of principal stress rotation. <i>Geotechnique</i> , 2020, 70, 317-331.	4.0	41
4	Critical state of polymer-coated sands. <i>Geotechnique</i> , 2020, 70, 839-841.	4.0	3
5	Influence of particle-size disparity on cyclic liquefaction resistance of silty sands. <i>Geotechnique Letters</i> , 2020, 10, 155-161.	1.2	9
6	Critical state of polymer-coated sands. <i>Geotechnique</i> , 2019, 69, 841-846.	4.0	18
7	Effect of scour on the structural response of an offshore wind turbine supported on tripod foundation. <i>Applied Ocean Research</i> , 2018, 73, 179-189.	4.1	39
8	Discrete Element Analysis of the $\langle i \rangle K \langle /i \rangle \langle sub \rangle O \langle /sub \rangle$ of Granular Soil and Its Relation to Small Strain Shear Stiffness. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	14
9	Soil-tunnel interaction modelling for shield tunnels considering shearing dislocation in longitudinal joints. <i>Tunnelling and Underground Space Technology</i> , 2018, 78, 168-177.	6.2	155
10	Shear wave velocity in sand: effect of grain shape. <i>Geotechnique</i> , 2018, 68, 742-748.	4.0	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. <i>Geotechnique</i> , 2018, 68, 177-183.	4.0	18
13	The critical state friction angle of granular materials: does it depend on grading?. <i>Acta Geotechnica</i> , 2018, 13, 535-547.	5.7	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. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 94, 13-17.	3.8	11
16	Micromechanical origin of angle of repose in granular materials. <i>Granular Matter</i> , 2017, 19, 1.	2.2	28
17	Numerical analysis of the long-term performance of offshore wind turbines supported by monopiles. <i>Ocean Engineering</i> , 2017, 136, 94-105.	4.3	56
18	Field measurement and FE prediction of vibration reduction due to pile-raft foundation for high-tech workshop. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 101, 264-268.	3.8	12

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19	Shear Strength of Assemblies of Frictionless Particles. International Journal of Geomechanics, 2017, 17, .	2.7	10
20	Identification of Tunnel Settlement Caused by Land Subsidence in Soft Deposit of Shanghai. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	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.	3.8	12
22	Multiobjective Path Optimization for Critical Infrastructure Links with Consideration to Seismic Resilience. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 836-855.	9.8	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.	3.8	12
24	Effect of Particle Shape on the Formation of Sandpile. Springer Proceedings in Physics, 2017, , 767-776.	0.2	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.	3.8	33
27	Shear wave velocity and stiffness of sand: the role of non-plastic fines. Geotechnique, 2016, 66, 500-514.	4.0	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.	3.8	19
29	PS wave based parallel seismic test for pile length assessment. Soils and Foundations, 2016, 56, 440-448.	3.1	4
30	Observed Effects of Interparticle Friction and Particle Size on Shear Behavior of Granular Materials. International Journal of Geomechanics, 2016, 16, .	2.7	74
31	DEM investigation on the effect of sample preparation on the shear behavior of granular soil. Particuology, 2016, 25, 111-121.	3.6	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.	3.0	1
33	State variables for silty sands: Global void ratio or skeleton void ratio?. Soils and Foundations, 2015, 55, 99-111.	3.1	75
34	A numerical analysis of the shear behavior of granular soil with fines. Particuology, 2015, 21, 160-172.	3.6	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.	3.8	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.	4.8	258

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37	Numerical prediction of ground vibrations induced by high-speed trains including wheel-rail-soil coupled effects. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 77, 274-278.	3.8	16
38	Bender element tests in dry and saturated sand: Signal interpretation and result comparison. <i>Soils and Foundations</i> , 2015, 55, 951-962.	3.1	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 sand-fines mixtures. <i>Geotechnique</i> , 2014, 64, 740-745.	4.0	71
41	Failure Modes of Sand in Undrained Cyclic Loading: Impact of Sample Preparation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, 152-169.	3.0	172
42	Pore-pressure generation and fluidization in a loess landslide triggered by the 1920 Haiyuan earthquake, China: A case study. <i>Engineering Geology</i> , 2014, 174, 36-45.	6.3	106
43	Identifying boundary between near field and far field in ground vibration caused by surface loading. <i>Journal of Central South University</i> , 2014, 21, 3284-3294.	3.0	12
44	Micro-scale modeling of anisotropy effects on undrained behavior of granular soils. <i>Granular Matter</i> , 2013, 15, 557-572.	2.2	45
45	Generalized Approach for Prediction of Jet Grout Column Diameter. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 2060-2069.	3.0	236
46	DEM simulations of the small strain stiffness of granular soils: effect of stress ratio. <i>Granular Matter</i> , 2013, 15, 287-298.	2.2	56
47	Laboratory investigation on relationship between degree of saturation, B-value and P-wave velocity. <i>Journal of Central South University</i> , 2013, 20, 2001-2007.	3.0	12
48	Laboratory measurements of small strain properties of dry sands by bender element. <i>Soils and Foundations</i> , 2013, 53, 735-745.	3.1	110
49	A discrete element analysis of elastic properties of granular materials. <i>Granular Matter</i> , 2013, 15, 139-147.	2.2	92
50	An analytical solution for the transient response of a cylindrical lined cavity in a poroelastic medium. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 46, 30-40.	3.8	29
51	Shear stiffness of granular material at small strains: does it depend on grain size?. <i>Geotechnique</i> , 2013, 63, 165-179.	4.0	162
52	Undrained shear behavior of loess saturated with different concentrations of sodium chloride solution. <i>Engineering Geology</i> , 2013, 155, 69-79.	6.3	172
53	Closure to "Cyclic Strength of Sand under Sustained Shear Stress" by J. Yang and H. Y. Sze. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 837-839.	3.0	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.	4.0	2
57	Collapse of loose sand with the addition of fines: the role of particle shape. Geotechnique, 2012, 62, 1111-1125.	4.0	251
58	Improved Evaluation of Interface Friction on Steel Pipe Pile in Sand. Journal of Performance of Constructed Facilities, 2012, 26, 170-179.	2.0	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.	3.0	74
61	On the influence of inter-particle friction and dilatancy in granular materials: a numerical analysis. Granular Matter, 2012, 14, 433-447.	2.2	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.	4.0	0
64	Static liquefaction behavior of saturated fiber-reinforced sand in undrained ring-shear tests. Geotextiles and Geomembranes, 2011, 29, 462-471.	4.6	87
65	Dynamic response of deep soft soil deposits under multidirectional earthquake loading. Engineering Geology, 2011, 121, 55-65.	6.3	26
66	Cyclic Strength of Sand under Sustained Shear Stress. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1275-1285.	3.0	80
67	Cyclic behaviour and resistance of saturated sand under non-symmetrical loading conditions. Geotechnique, 2011, 61, 59-73.	4.0	182
68	Is the quasi-steady state a real behaviour? A micromechanical perspective. Geotechnique, 2011, 61, 175-183.	4.0	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.	4.0	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.	3.8	50
72	Factors affecting site response to multi-directional earthquake loading. Engineering Geology, 2009, 107, 77-87.	6.3	36

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73	Initial Static Shear Effect on Cyclic Liquefaction Behaviour of Sand. HKIE Transactions, 2009, 16, 56-62.	0.1	0
74	A stepwise damping-solvent extraction method for large-scale dynamic soil-structure interaction analysis in time domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 415-436.	3.3	2
75	Interpretation of torsional shear results for nonlinear stress-strain relationship. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1247-1266.	3.3	3
76	Three-Dimensional Noncoaxial Plasticity Modeling of Shear Band Formation in Geomaterials. Journal of Engineering Mechanics - ASCE, 2008, 134, 322-329.	2.9	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.	3.0	11
78	Discussion: On seismic landslide hazard assessment. Geotechnique, 2008, 58, 831-834.	4.0	0
79	Quantifying and modelling fabric anisotropy of granular soils. Geotechnique, 2008, 58, 237-248.	4.0	234
80	Seismic Performance of a River Dike Improved by Sand Compaction Piles. Journal of Performance of Constructed Facilities, 2008, 22, 381-390.	2.0	5
81	Closure to "Observed Performance of Long Steel H-piles Jacked into Sandy Soils" by J. Yang, L. G. Tham, P. K. K. Lee and F. Yu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 900-901.	3.0	0
82	On seismic landslide hazard assessment. Geotechnique, 2007, 57, 707-713.	4.0	13
83	Undrained anisotropy and rotational shear in granular soil. Geotechnique, 2007, 57, 371-384.	4.0	179
84	Discussion: Behaviour of jacked and driven piles in sandy soil. Geotechnique, 2007, 57, 475-478.	4.0	0
85	Closure to "Frequency-Dependent Amplification of Unsaturated Surface Soil Layer" by J. Yang. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1332-1335.	3.0	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.	3.3	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.	6.3	38
88	Frequency-Dependent Amplification of Unsaturated Surface Soil Layer. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 526-531.	3.0	18
89	Behaviour of jacked and driven piles in sandy soil. Geotechnique, 2006, 56, 245-259.	4.0	85
90	Observed Performance of Long Steel H-Piles Jacked into Sandy Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 24-35.	3.0	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.	3.8	122
93	Influence Zone for End Bearing of Piles in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1229-1237.	3.0	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.	3.0	2
96	Pore pressure coefficient for soil and rock and its relation to compressional wave velocity. Geotechnique, 2005, 55, 251-256.	4.0	1
97	GROUND MOVEMENTS DUE TO EXCAVATION WITH LATERAL SUPPORTING SYSTEMS. , 2005, , .		0
98	Rayleigh surface waves in an idealised partially saturated soil. Geotechnique, 2005, 55, 409-414.	4.0	2
99	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.	3.0	1
100	State-Dependent Strength of Sands from the Perspective of Unified Modeling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 186-198.	3.0	102
101	Evaluating Liquefaction Strength of Partially Saturated Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 975-979.	3.0	80
102	Reappraisal of vertical motion effects on soil liquefaction. Geotechnique, 2004, 54, 671-676.	4.0	2
103	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.	3.0	0
104	Saturation Effects of Soils on Ground Motion at Free Surface Due to Incident SV Waves. Journal of Engineering Mechanics - ASCE, 2002, 128, 1295-1303.	2.9	19
105	Horizontal and vertical components of earthquake ground motions at liquefiable sites. Soil Dynamics and Earthquake Engineering, 2002, 22, 229-240.	3.8	37
106	Non-uniqueness of flow liquefaction line for loose sand. Geotechnique, 2002, 52, 757-760.	4.0	85
107	Liquefaction resistance of sand in relation to P-wave velocity. Geotechnique, 2002, 52, 295-298.	4.0	13
108	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.	3.8	32

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109	Analytical study of saturation effects on seismic vertical amplification of a soil layer. Geotechnique, 2001, 51, 161-165.	4.0	10
110	A note on Rayleigh wave velocity in saturated soils with compressible constituents. Canadian Geotechnical Journal, 2001, 38, 1360-1365.	2.8	0
111	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.	2.3	15
112	Computation of individual contributions of two compression waves in vibration of water-saturated soils. Computers and Geotechnics, 2000, 27, 79-100.	4.7	11
113	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.	3.8	22
114	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.	3.8	12
115	Title is missing!. Journal of Earthquake Engineering, 2000, 4, 1.	2.5	0
116	Interpretation of Seismic Vertical Amplification Observed at an Array Site. Bulletin of the Seismological Society of America, 2000, 90, 275-285.	2.3	139
117	Nonlinear site effects on strong ground motion at a reclaimed island. Canadian Geotechnical Journal, 2000, 37, 26-39.	2.8	5
118	IMPORTANCE OF FLOW CONDITION ON SEISMIC WAVES AT A SATURATED POROUS SOLID BOUNDARY. Journal of Sound and Vibration, 1999, 221, 391-413.	3.9	35
119	ON THE VIBRATION OF SATURATED LAYERED HALF-SPACE DUE TO LOW FREQUENCY EXCITATION. Journal of Sound and Vibration, 1998, 213, 561-568.	3.9	0
120	Dynamic response of saturated layered half-space with different hydraulic interface conditions. Archive of Applied Mechanics, 1998, 68, 677-688.	2.2	3
121	Differentiation of Noisy Experimental Data for Interpretation of Nonlinear Stress-Strain Behavior. Journal of Engineering Mechanics - ASCE, 1998, 124, 705-712.	2.9	13