Yaser Jafarian

List of Publications by Year
in descending order

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47	1,064	361413	454955
papers	citations	20 h-index	30 g-index

48	48	48	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of liquefaction triggering using strain energy concept and ANN model: Capacity Energy. Soil Dynamics and Earthquake Engineering, 2007, 27, 1056-1072.	3.8	106
2	Strain energy based evaluation of liquefaction and residual pore water pressure in sands using cyclic torsional shear experiments. Soil Dynamics and Earthquake Engineering, 2012, 35, 13-28.	3.8	82
3	Dynamic properties of calcareous and siliceous sands under isotropic and anisotropic stress conditions. Soils and Foundations, 2018, 58, 172-184.	3.1	76
4	Undrained Cyclic and Monotonic Behavior of Hormuz Calcareous Sand Using Hollow Cylinder Simple Shear Tests. International Journal of Civil Engineering, 2016, 14, 209-219.	2.0	43
5	Prediction of strain energy-based liquefaction resistance of sandâ€“silt mixtures: An evolutionary approach. Computers and Geosciences, 2011, 37, 1883-1893.	4.2	42
6	Strain-dependent dynamic properties of Bushehr siliceous-carbonate sand: Experimental and comparative study. Soil Dynamics and Earthquake Engineering, 2018, 107, 339-349.	3.8	39
7	Empirical predictive model for the vmax/amax ratio of strong ground motions using genetic programming. Computers and Geosciences, 2010, 36, 1523-1531.	4.2	36
8	Simplified Procedure for Coupled Seismic Sliding Movement of Slopes Using Displacement-Based Critical Acceleration. International Journal of Geomechanics, 2016, 16, .	2.7	36
9	Dynamic shear stiffness and damping ratio of marine calcareous and siliceous sands. Geo-Marine Letters, 2018, 38, 315-322.	1.1	35
10	Centrifuge and Numerical Models to Investigate Liquefaction-Induced Response of Shallow Foundations with Different Contact Pressures. International Journal of Civil Engineering, 2016, 14, 117-131.	2.0	31
11	On the efficiency and predictability of strain energy for the evaluation of liquefaction potential: A numerical study. Computers and Geotechnics, 2011, 38, 800-808.	4.7	28
12	Monotonic triaxial experiments to evaluate steady-state and liquefaction susceptibility of Babolsar sand. Journal of Zhejiang University: Science A, 2013, 14, 739-750.	2.4	28
13	Decoupled Solution for Seismic Permanent Displacement of Earth Slopes Using Deformation-Dependent Yield Acceleration. Journal of Earthquake Engineering, 2012, 16, 917-936.	2.5	27
14	Dynamic Properties of Calcareous Sand from the Persian Gulf in Comparison with Siliceous Sands Database. International Journal of Civil Engineering, 2020, 18, 245-249.	2.0	26
15	Probabilistic Assessment of Liquefaction Occurrence in Calcareous Fill Materials of Kawaihae Harbor, Hawaii. International Journal of Geomechanics, 2016, 16, .	2.7	25
16	Estimating shear wave velocity of soil deposits using polynomial neural networks: Application to liquefaction. Computers and Geosciences, 2012, 44, 86-94.	4.2	23
17	Seismic Sliding Analysis of Sandy Slopes Subjected to Pore-Water Pressure Buildup. International Journal of Geomechanics, 2017, 17, .	2.7	23
18	Small-strain dynamic properties of siliceous-carbonate sand under stress anisotropy. Soil Dynamics and Earthquake Engineering, 2020, 131, 106045.	3.8	23

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19	Simplified Soil Liquefaction Assessment Based on Cumulative Kinetic Energy Density: Attenuation Law and Probabilistic Analysis. International Journal of Geomechanics, 2014, 14, 267-281.	2.7	22
20	Centrifuge modeling of seismic foundation-soil-foundation interaction on liquefiable sand. Soil Dynamics and Earthquake Engineering, 2017, 97, 184-204.	3.8	22
21	Centrifuge study into the effect of liquefaction extent on permanent settlement and seismic response of shallow foundations. Soils and Foundations, 2018, 58, 228-240.	3.1	22
22	Predictive model for seismic sliding displacement of slopes based on a coupled stick-slip-rotation approach. Engineering Geology, 2018, 244, 25-40.	6.3	20
23	Bearing Capacity and Uneven Settlement of Consecutively Constructed Adjacent Footings Rested on Saturated Sand Using Model Tests. International Journal of Civil Engineering, 2019, 17, 737-749.	2.0	20
24	Seismic hazard analysis and local site effect of the 2017 Mw 7.3 Sarpol-e Zahab, Iran, earthquake. Natural Hazards, 2020, 103, 1783-1805.	3.4	20
25	Multivariate Fragility Functions for Seismic Landslide Hazard Assessment. Journal of Earthquake Engineering, 2021, 25, 579-596.	2.5	17
26	Predicting damping ratio of fine-grained soils using soft computing methodology. Arabian Journal of Geosciences, 2015, 8, 3959-3969.	1.3	16
27	Probabilistic correlation between laboratory and field liquefaction potentials using relative state parameter index (Î¾R). Soil Dynamics and Earthquake Engineering, 2010, 30, 1061-1072.	3.8	15
28	Scalar- and Vector-Valued Fragility Analyses of Gravity Quay Wall on Liquefiable Soil: Example of Kobe Port. International Journal of Geomechanics, 2019, 19, .	2.7	14
29	A coupled stick-slip-rotation model for earthquake-induced sliding displacement of slopes in Iran. Soil Dynamics and Earthquake Engineering, 2020, 135, 106199.	3.8	14
30	A micromechanical-based constitutive model for fibrous fine-grained composite soils. International Journal of Plasticity, 2017, 89, 150-172.	8.8	13
31	Load-Settlement Mechanism of Shallow Foundations Rested on Saturated Sand with Upward Seepage. International Journal of Geomechanics, 2017, 17, .	2.7	12
32	Physical and mechanical properties of sand stabilized by cement and natural zeolite. European Physical Journal Plus, 2018, 133, 1.	2.6	11
33	Seismic performance of end-bearing piled raft with countermeasure strategy against liquefaction using centrifuge model tests. Bulletin of Earthquake Engineering, 2019, 17, 5929-5961.	4.1	11
34	Prediction of cyclic resistance ratio for silty sands and its applications in the simplified liquefaction analysis. Computers and Geotechnics, 2013, 52, 54-62.	4.7	9
35	Simplified dynamic analysis to evaluate liquefaction-induced lateral deformation of earth slopes: a computational fluid dynamics approach. Earthquake Engineering and Engineering Vibration, 2014, 13, 555-568.	2.3	9
36	Impacts of Fixed-End and Flexible Boundary Conditions on Seismic Response of Shallow Foundations on Saturated Sand in 1-g Shaking Table Tests. Geotechnical Testing Journal, 2021, 44, 637-664.	1.0	9

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37	Shaking Table Experiments to Evaluate the Boundary Effects on Seismic Response of Saturated and Dry Sands in Level Ground Condition. International Journal of Civil Engineering, 2020, 18, 783-795.	2.0	8
38	Empirical model for frequency content estimation of strong ground motion records of Iran. Engineering Geology, 2022, 297, 106526.	6.3	8
39	Closure to â€œSimplified Procedure for Coupled Seismic Sliding Movement of Slopes Using Displacement-Based Critical Accelerationâ€•by Yaser Jafarian and Ali Lashgari. International Journal of Geomechanics, 2017, 17, .	2.7	7
40	Predictive model for seismic sliding displacement of slopes subjected to pulse-like motions. Bulletin of Engineering Geology and the Environment, 2021, 80, 6563-6582.	3.5	7
41	Prediction and experimental evaluation of soil-water retention behavior of skeletal calcareous soils. Bulletin of Engineering Geology and the Environment, 2020, 79, 2395-2410.	3.5	6
42	The unsaturated shear strength of calcareous soil in comparison with silicate soil. Marine Georesources and Geotechnology, 2021, 39, 200-218.	2.1	6
43	Probabilistic evaluation of seismic liquefaction potential in field conditions. Engineering Computations, 2011, 28, 675-700.	1.4	5
44	Seismic in-Soil Isolation of Solid Waste Landfill Using Geosynthetic Liners: Shaking Table Modeling of Tehran Landfill. International Journal of Civil Engineering, 2019, 17, 205-217.	2.0	4
45	Centrifuge Modeling for Seismic Performance of Floating Piled Raft with and without Drainage Wells in Liquefiable Site. International Journal of Geomechanics, 2021, 21, .	2.7	1
46	Effect of non-liquefiable layer on bearing capacity and settlement of shallow foundations. International Journal of Physical Modelling in Geotechnics, 2021, 21, 72-84.	0.6	0
47	Mitigating Liquefaction-Induced Displacements of Shallow Foundation using Helical Piles. International Journal of Physical Modelling in Geotechnics, 0, , 1-58.	0.6	0