

Shadi Najjar

List of Publications by Year in descending order

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papers

652
citations

759055

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all docs

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71
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear Strength of Fiber-Reinforced Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 490-499.	1.5	96
2	Effect of Sand Columns on the Undrained Load Response of Soft Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1263-1277.	1.5	62
3	Importance of Lower-Bound Capacities in the Design of Deep Foundations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 890-900.	1.5	50
4	A State-of-the-Art Review of Stone/Sand-Column Reinforced Clay Systems. Geotechnical and Geological Engineering, 2013, 31, 355-386.	0.8	42
5	Undrained shear strength characteristics of compacted clay reinforced with natural hemp fibers. International Journal of Geotechnical Engineering, 2016, 10, 263-270.	1.1	31
6	Evaluation of Engineering Characteristics of Stabilized Rammed-Earth Material Sourced from Natural Fines-Rich Soil. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	31
7	Residual Shear Strength for Interfaces between Pipelines and Clays at Low Effective Normal Stresses. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 695-706.	1.5	30
8	Effect of compaction method on the undrained strength of fiber-reinforced clay. Soils and Foundations, 2018, 58, 462-480.	1.3	25
9	Mechanics of the Interface Interaction between Hemp Fibers and Compacted Clay. International Journal of Geomechanics, 2019, 19, .	1.3	22
10	Probabilistic Modeling of the Inherent Variability in the Dynamic Modulus Master Curve of Asphalt Concrete. Transportation Research Record, 2016, 2576, 60-71.	1.0	20
11	Quantification of Model Uncertainty in Shear Strength Predictions for Fiber-Reinforced Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 116-133.	1.5	19
12	Use of Hemp Fibers in Sustainable Compacted Clay Systems. , 2014, , .		16
13	Numerical investigation of dip-slip fault propagation effects on offshore seabed sediments. Engineering Geology, 2018, 237, 149-167.	2.9	15
14	Tilt Table Test for Interface Shear Resistance Between Flowlines and Soils. , 2003, , 859.		13
15	Probabilistic Modeling of Dynamic Modulus Master Curves for Hot-Mix Asphalt Mixtures. Transportation Research Record, 2015, 2507, 90-99.	1.0	11
16	Quantification of the inherent uncertainty in the relaxation modulus and creep compliance of asphalt mixes. Mechanics of Time-Dependent Materials, 2018, 22, 331-350.	2.3	10
17	Development of Probabilistic Viscoelastic Continuum Damage Model for Asphalt Concrete. Transportation Research Record, 2019, 2673, 285-298.	1.0	10
18	Effect of Sand Columns on the Load Response of Soft Clays. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
19	Side Friction along Drilled Shafts in Weak Carbonate Rocks. , 2010, , .		9
20	Reliability functions for buried submarine pipelines in clay subjected to upheaval buckling. Applied Ocean Research, 2014, 48, 308-321.	1.8	8
21	Triaxial response of clays reinforced with granular columns. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 265-281.	0.7	8
22	Effect of Asphalt Mixture Components on the Uncertainty in Dynamic Modulus Mastercurves. Transportation Research Record, 2020, 2674, 135-148.	1.0	8
23	Importance of Proof-Load Tests in Foundation Reliability. , 2009, , .		7
24	Drained shear strength of compacted sand with clayey fines. International Journal of Geotechnical Engineering, 2015, 9, 513-520.	1.1	7
25	Uncertainty quantification of the bond stress â€“ displacement relationship of shoring anchors in different geologic units. Georisk, 2019, 13, 276-283.	2.6	6
26	Numerical finite element modelling of soil resistance against upheaval buckling of buried submarine pipelines. Applied Ocean Research, 2021, 106, 102478.	1.8	6
27	A Reliability-Based Approach to the Serviceability Limit State Design of Spread Footings on Granular Soil. , 2017, , .		5
28	Reliability-based design of spread footings on fibre-reinforced clay. Georisk, 2018, 12, 135-151.	2.6	5
29	Drained triaxial response of clay reinforced with sand columns. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2020, 173, 170-186.	0.7	5
30	Seismic performance of reinforced concrete shear wall buildings with underground stories. Earthquake and Structures, 2016, 10, 965-988.	1.0	5
31	Probabilistic Back Analysis of Failed Slopes using Bayesian Techniques. , 2013, , .		4
32	Updated normalized load-settlement model for full-scale footings on granular soils. Georisk, 2014, 8, 63-80.	2.6	4
33	Reliability-based design of spread footings on clays reinforced with aggregate piers. Georisk, 2017, 11, 75-89.	2.6	4
34	Kinematic calibration of serial manipulators using Bayesian inference. Robotica, 2018, 36, 738-766.	1.3	4
35	The Drained Response of Soft Clays Reinforced with Sand Column Groups. , 2020, , .		4
36	Rational Decision Framework for Designing Pile-Load Test Programs. Geotechnical Testing Journal, 2017, 40, 302-316.	0.5	4

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37	Impact of Proof Load Test Programs on the Reliability of Foundations. , 2015, , .		3
38	Importance of Lower-Bound Shear Strengths in the Reliability of Spatially Random Clayey Slopes. Geotechnical and Geological Engineering, 2020, 38, 6623-6639.	0.8	3
39	Large-Scale Instrumented Triaxial Setup for Investigating the Response of Soft Clay Reinforced with Sand Column Groups. International Journal of Geomechanics, 2021, 21, .	1.3	3
40	Drained and Undrained Response of Soft Clays Reinforced with Fully Penetrating Sand Columns. , 2011, , .		2
41	Effect of Sand Column Inclusions on the Drained Response of Soft Clays. , 2012, , .		2
42	Reliability of offshore pipelines subject to upheaval buckling. , 2015, , .		2
43	Inherent Variability in the Parameters Describing the Linear Viscoelastic Response of Asphalt Concrete. , 2017, , .		2
44	Investigation of Active Soil Pressures on Retaining Walls Using Finite Element Analyses. , 2017, , .		2
45	Finite Element Analysis of Offshore Pipelines Overlying Active Reverse Fault Rupture. , 2017, , .		2
46	Effect of Heating and Cooling Cycles on the Skin Friction of Energy Piles in Soft Clays. , 2018, , .		2
47	Reliability-Based Design of Spatially Random Two-Layered Clayey Slopes. Geotechnical and Geological Engineering, 2022, 40, 4563-4583.	0.8	2
48	A Reliability-Based Approach to the Design of Spread Footings on Granular Soil. , 2010, , .		1
49	Bayesian Updating of Load Settlement Curves for Footings on Cohesionless Soil. , 2011, , .		1
50	Comparative Study of Shear Modulus in Calcareous Sand and Sabkha Soils. , 2012, , .		1
51	Reliability Analyses of Clay-Embedded Offshore Pipelines Under Vertical Buckling Considering Lower-Bound Pipe-Soil Capacity. , 2012, , .		1
52	Reliability-Based Framework for Designing Test Programs for Piles. , 2017, , .		1
53	Resistance Factors for the Ultimate Limit State Design of Footings on Clays Reinforced with Stone Columns. , 2017, , .		1
54	Nonlinear finite element analysis of upheaval buckling of buried offshore pipelines in medium dense sand with fines. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	1

#	ARTICLE	IF	CITATIONS
55	Interface Resistance between Clays and Natural Hemp Fibers. , 2018, , .		1
56	Reliability-Based Stability Analysis of Fiber-Reinforced Infinite Slopes. , 2019, , .		1
57	Drained Triaxial Response of Clay Reinforced with Natural Hemp Fibers. , 2019, , .		1
58	The Effect of Sand Column Configuration on the Response of Reinforced Soft Clays. , 2021, , .		1
59	Reliability-Based Structural Design of Retaining Walls Supporting Spatially Variable Soils. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8, .	1.1	1
60	Importance of Residual Strengths in Factors of Safety and Reliability. , 2008, , .		0
61	Undrained Load Response of Soft Clays Reinforced with Geosynthetic-Encased Sand Columns. , 2010, , .		0
62	Effect of Spatial Variability and Model Uncertainty on the Design of Sockets in Weak Carbonate Rocks. , 2011, , .		0
63	Impact of Spatial Variability on the Design of Drilled Shafts in Weak Carbonate Rocks. , 2012, , .		0
64	Rapid Load Testing of Stone Columns. , 2017, , .		0
65	Reliability-Based Design Application for Fiber-Reinforced Clay. , 2017, , .		0
66	Finite element analysis of the propagation of Earth's surface deformation as a consequence of normal dip-slip offshore fault rupture. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	0
67	The Probabilistic Aspects of QA-QC for Geotechnical Applications. , 2017, , .		0
68	Effect of Columnar Sand Inclusions on the Cyclic Resistance of Anisotropically-Consolidated Clay. , 2018, , .		0
69	RELIABILITY ANALYSIS OF REINFORCED CONCRETE SLAB BRIDGES. International Journal of GEOMATE, 0, , .	0.1	0
70	Studying the effect of partial drainage on the response of soft clays reinforced with sand column groups. Acta Geotechnica, 0, , .	2.9	0
71	A Novel Proof of Concept Experimental Setup for Seabed-Pipe Interface Friction Measurements. Geotechnical Testing Journal, 2022, 45, 915-935.	0.5	0