

Shadi Najjar

List of Publications by Year in descending order

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times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	1.7	1
2	Reliability-Based Design of Spatially Random Two-Layered Clayey Slopes. Geotechnical and Geological Engineering, 2022, 40, 4563-4583.	1.7	2
3	A Novel Proof of Concept Experimental Setup for Seabed-Pipe Interface Friction Measurements. Geotechnical Testing Journal, 2022, 45, 915-935.	1.0	0
4	Numerical finite element modelling of soil resistance against upheaval buckling of buried submarine pipelines. Applied Ocean Research, 2021, 106, 102478.	4.1	6
5	The Effect of Sand Column Configuration on the Response of Reinforced Soft Clays. , 2021, , .		1
6	Large-Scale Instrumented Triaxial Setup for Investigating the Response of Soft Clay Reinforced with Sand Column Groups. International Journal of Geomechanics, 2021, 21, .	2.7	3
7	Drained triaxial response of clay reinforced with sand columns. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2020, 173, 170-186.	1.0	5
8	Importance of Lower-Bound Shear Strengths in the Reliability of Spatially Random Clayey Slopes. Geotechnical and Geological Engineering, 2020, 38, 6623-6639.	1.7	3
9	The Drained Response of Soft Clays Reinforced with Sand Column Groups. , 2020, , .		4
10	Effect of Asphalt Mixture Components on the Uncertainty in Dynamic Modulus Mastercurves. Transportation Research Record, 2020, 2674, 135-148.	1.9	8
11	Mechanics of the Interface Interaction between Hemp Fibers and Compacted Clay. International Journal of Geomechanics, 2019, 19, .	2.7	22
12	Uncertainty quantification of the bond stress “ displacement relationship of shoring anchors in different geologic units. Georisk, 2019, 13, 276-283.	3.5	6
13	Reliability-Based Stability Analysis of Fiber-Reinforced Infinite Slopes. , 2019, , .		1
14	Drained Triaxial Response of Clay Reinforced with Natural Hemp Fibers. , 2019, , .		1
15	Development of Probabilistic Viscoelastic Continuum Damage Model for Asphalt Concrete. Transportation Research Record, 2019, 2673, 285-298.	1.9	10
16	Numerical investigation of dip-slip fault propagation effects on offshore seabed sediments. Engineering Geology, 2018, 237, 149-167.	6.3	15
17	Kinematic calibration of serial manipulators using Bayesian inference. Robotica, 2018, 36, 738-766.	1.9	4
18	Nonlinear finite element analysis of upheaval buckling of buried offshore pipelines in medium dense sand with fines. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	1

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19	Effect of compaction method on the undrained strength of fiber-reinforced clay. <i>Soils and Foundations</i> , 2018, 58, 462-480.	3.1	25
20	Quantification of the inherent uncertainty in the relaxation modulus and creep compliance of asphalt mixes. <i>Mechanics of Time-Dependent Materials</i> , 2018, 22, 331-350.	4.4	10
21	Reliability-based design of spread footings on fibre-reinforced clay. <i>Georisk</i> , 2018, 12, 135-151.	3.5	5
22	Evaluation of Engineering Characteristics of Stabilized Rammed-Earth Material Sourced from Natural Fines-Rich Soil. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	31
23	Effect of Heating and Cooling Cycles on the Skin Friction of Energy Piles in Soft Clays. , 2018, , .		2
24	Interface Resistance between Clays and Natural Hemp Fibers. , 2018, , .		1
25	Effect of Columnar Sand Inclusions on the Cyclic Resistance of Anisotropically-Consolidated Clay. , 2018, , .		0
26	Inherent Variability in the Parameters Describing the Linear Viscoelastic Response of Asphalt Concrete. , 2017, , .		2
27	Rapid Load Testing of Stone Columns. , 2017, , .		0
28	Reliability-Based Design Application for Fiber-Reinforced Clay. , 2017, , .		0
29	Reliability-Based Framework for Designing Test Programs for Piles. , 2017, , .		1
30	Resistance Factors for the Ultimate Limit State Design of Footings on Clays Reinforced with Stone Columns. , 2017, , .		1
31	Investigation of Active Soil Pressures on Retaining Walls Using Finite Element Analyses. , 2017, , .		2
32	Finite Element Analysis of Offshore Pipelines Overlying Active Reverse Fault Rupture. , 2017, , .		2
33	Finite element analysis of the propagation of Earth's surface deformation as a consequence of normal dip-slip offshore fault rupture. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	1.3	0
34	A Reliability-Based Approach to the Serviceability Limit State Design of Spread Footings on Granular Soil. , 2017, , .		5
35	Reliability-based design of spread footings on clays reinforced with aggregate piers. <i>Georisk</i> , 2017, 11, 75-89.	3.5	4
36	The Probabilistic Aspects of QA-QC for Geotechnical Applications. , 2017, , .		0

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37	Rational Decision Framework for Designing Pile-Load Test Programs. <i>Geotechnical Testing Journal</i> , 2017, 40, 302-316.	1.0	4
38	Probabilistic Modeling of the Inherent Variability in the Dynamic Modulus Master Curve of Asphalt Concrete. <i>Transportation Research Record</i> , 2016, 2576, 60-71.	1.9	20
39	Undrained shear strength characteristics of compacted clay reinforced with natural hemp fibers. <i>International Journal of Geotechnical Engineering</i> , 2016, 10, 263-270.	2.0	31
40	Seismic performance of reinforced concrete shear wall buildings with underground stories. <i>Earthquake and Structures</i> , 2016, 10, 965-988.	1.0	5
41	Probabilistic Modeling of Dynamic Modulus Master Curves for Hot-Mix Asphalt Mixtures. <i>Transportation Research Record</i> , 2015, 2507, 90-99.	1.9	11
42	Triaxial response of clays reinforced with granular columns. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2015, 168, 265-281.	1.0	8
43	Impact of Proof Load Test Programs on the Reliability of Foundations. , 2015, , .		3
44	Reliability of offshore pipelines subject to upheaval buckling. , 2015, , .		2
45	Drained shear strength of compacted sand with clayey fines. <i>International Journal of Geotechnical Engineering</i> , 2015, 9, 513-520.	2.0	7
46	Updated normalized load-settlement model for full-scale footings on granular soils. <i>Georisk</i> , 2014, 8, 63-80.	3.5	4
47	Use of Hemp Fibers in Sustainable Compacted Clay Systems. , 2014, , .		16
48	Reliability functions for buried submarine pipelines in clay subjected to upheaval buckling. <i>Applied Ocean Research</i> , 2014, 48, 308-321.	4.1	8
49	A State-of-the-Art Review of Stone/Sand-Column Reinforced Clay Systems. <i>Geotechnical and Geological Engineering</i> , 2013, 31, 355-386.	1.7	42
50	Quantification of Model Uncertainty in Shear Strength Predictions for Fiber-Reinforced Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 116-133.	3.0	19
51	Probabilistic Back Analysis of Failed Slopes using Bayesian Techniques. , 2013, , .		4
52	Effect of Sand Column Inclusions on the Drained Response of Soft Clays. , 2012, , .		2
53	Comparative Study of Shear Modulus in Calcareous Sand and Sabkha Soils. , 2012, , .		1
54	Reliability Analyses of Clay-Embedded Offshore Pipelines Under Vertical Buckling Considering Lower-Bound Pipe-Soil Capacity. , 2012, , .		1

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55	Impact of Spatial Variability on the Design of Drilled Shafts in Weak Carbonate Rocks. , 2012, , .		0
56	Drained and Undrained Response of Soft Clays Reinforced with Fully Penetrating Sand Columns. , 2011, , .		2
57	Effect of Spatial Variability and Model Uncertainty on the Design of Sockets in Weak Carbonate Rocks. , 2011, , .		0
58	Bayesian Updating of Load Settlement Curves for Footings on Cohesionless Soil. , 2011, , .		1
59	Shear Strength of Fiber-Reinforced Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 490-499.	3.0	96
60	A Reliability-Based Approach to the Design of Spread Footings on Granular Soil. , 2010, , .		1
61	Side Friction along Drilled Shafts in Weak Carbonate Rocks. , 2010, , .		9
62	Undrained Load Response of Soft Clays Reinforced with Geosynthetic-Encased Sand Columns. , 2010, , .		0
63	Effect of Sand Columns on the Undrained Load Response of Soft Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1263-1277.	3.0	62
64	Importance of Lower-Bound Capacities in the Design of Deep Foundations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 890-900.	3.0	50
65	Effect of Sand Columns on the Load Response of Soft Clays. , 2009, , .		9
66	Importance of Proof-Load Tests in Foundation Reliability. , 2009, , .		7
67	Importance of Residual Strengths in Factors of Safety and Reliability. , 2008, , .		0
68	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.	3.0	30
69	Tilt Table Test for Interface Shear Resistance Between Flowlines and Soils. , 2003, , 859.		13
70	RELIABILITY ANALYSIS OF REINFORCED CONCRETE SLAB BRIDGES. International Journal of GEOMATE, 0, , .	0.3	0
71	Studying the effect of partial drainage on the response of soft clays reinforced with sand column groups. Acta Geotechnica, 0, , .	5.7	0