

Saman Soleimani Kutanaei

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41
papers

970
citations

19
h-index

30
g-index

41
ext. papers

1,245
ext. citations

2.9
avg, IF

5.37
L-index

#	Paper	IF	Citations
41	Prediction and modeling of mechanical properties in fiber reinforced self-compacting concrete using particle swarm optimization algorithm and artificial neural network. <i>Construction and Building Materials</i> , 2016 , 119, 277-287	6.7	97
40	Microstructure characteristics of cement-stabilized sandy soil using nanosilica. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 981-988	5.3	86
39	Triaxial behavior of fiber-reinforced cemented sand. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 579-593	2	56
38	Mechanical properties soil stabilized with nano calcium carbonate and reinforced with carpet waste fibers. <i>Construction and Building Materials</i> , 2019 , 211, 1094-1104	6.7	52
37	Mechanical Properties of Sandy Soil Improved with Cement and Nanosilica. <i>Open Engineering</i> , 2015 , 5,	1.7	52
36	Modeling and optimization of a trench layer location around a pipeline using artificial neural networks and particle swarm optimization algorithm. <i>Tunnelling and Underground Space Technology</i> , 2014 , 40, 192-202	5.7	41
35	Experimental Study of Combined Effects of Fibers and Nanosilica on Mechanical Properties of Cemented Sand. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 06016001	3	38
34	Prediction of energy absorption capability in fiber reinforced self-compacting concrete containing nano-silica particles using artificial neural network. <i>Latin American Journal of Solids and Structures</i> , 2014 , 11, 966-979	1.4	38
33	Effect of granulated rubber on shear strength of fine-grained sand. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 936-944	5.3	37
32	Prediction of combined effects of fibers and cement on the mechanical properties of sand using particle swarm optimization algorithm. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 487-501	2	37
31	Effects of Nanosilica Particles and Randomly Distributed Fibers on the Ultrasonic Pulse Velocity and Mechanical Properties of Cemented Sand. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016230	3	36
30	Static and Cyclic Triaxial Behavior of Cemented Sand with Nanosilica. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018269	3	33
29	Prediction of combined effects of fibers and nanosilica on the mechanical properties of self-compacting concrete using artificial neural network. <i>Latin American Journal of Solids and Structures</i> , 2014 , 11, 1906-1923	1.4	33
28	Site effect assessment using microtremor measurement, equivalent linear method, and artificial neural network (case study: Babol, Iran). <i>Arabian Journal of Geosciences</i> , 2015 , 8, 1453-1466	1.8	32
27	Modeling of ground motion rotational components for near-fault and far-fault earthquake according to soil type. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 3785-3797	1.8	27
26	Evaluation of effect of soil characteristics on the seismic amplification factor using the neural network and reliability concept. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 3881-3891	1.8	27
25	Effect of fiber reinforcement on deformability properties of cemented sand. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 1576-1590	2	25

24	Investigation of the Kenaf fiber hybrid length on the properties of the cement-treated sandy soil. <i>Transportation Geotechnics</i> , 2020 , 22, 100301	4	25
23	Investigation of the deformability properties of fiber reinforced cemented sand. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 1913-1938	2	21
22	Mesh-free modeling of liquefaction around a pipeline under the influence of trench layer. <i>Acta Geotechnica</i> , 2015 , 10, 343-355	4.9	19
21	Control-volume-based finite element modelling of liquefaction around a pipeline. <i>Geomatics, Natural Hazards and Risk</i> , 2016 , 7, 1287-1306	3.6	18
20	Identification of soil properties based on accelerometer records and comparison with other methods. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	18
19	Shear behavior of fiber-reinforced sand composite. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	17
18	Experimental study of impact of cement treatment on the shear behavior of loess and clay. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	12
17	Investigation of the effect of the coal wastes on the mechanical properties of the cement-treated sandy soil. <i>Construction and Building Materials</i> , 2020 , 239, 117848	6.7	12
16	Modeling of compressive strength of cemented sandy soil. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 791-807	2	12
15	Triaxial behaviour of a cemented sand reinforced with Kenaf fibres. <i>European Journal of Environmental and Civil Engineering</i> , 2021 , 25, 1268-1286	1.5	11
14	Evaluation of the impact of fiber reinforcement on the durability of lignosulfonate stabilized clayey sand under wet-dry condition. <i>Transportation Geotechnics</i> , 2020 , 23, 100359	4	10
13	Assessment of seismic amplification factor of excavation with support system. <i>Earthquake Engineering and Engineering Vibration</i> , 2019 , 18, 555-566	2	10
12	Prediction of Liquefaction Potential of Sandy Soil around a Submarine Pipeline under Earthquake Loading. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2019 , 10, 04019002	1.5	10
11	Effects of copper sludge on cemented clay using ultrasonic pulse velocity. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 433-444	2	8
10	Evaluating the durability, microstructure and mechanical properties of a clayey-sandy soil stabilized with copper slag-based geopolymer against wetting-drying cycles. <i>Bulletin of Engineering Geology and the Environment</i> , 2021 , 80, 5031-5051	4	7
9	Investigating the effect of rotational components on the progressive collapse of steel structures. <i>Engineering Failure Analysis</i> , 2021 , 121, 105094	3.2	5
8	Comparison of different local site effect estimation methods in site with high thickness of alluvial layer deposits: a case study of Babol city. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	3
7	Modeling and sensitivity analysis of bearing capacity in driven piles using hybrid ANNBSO algorithm. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	2

6	Application of LRBF-DQ and CVBFEM Methods for Evaluating Saturated Sand Liquefaction around Buried Pipeline. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022 , 13,	1.5	1
5	Effect of post-construction moisture condition on mechanical behaviour of Fiber-reinforced-cemented-sand (FRCS). <i>Geomechanics and Geoengineering</i> , 1-13	1.4	1
4	Influence of the Non-Woven Geotextile (NWG) on the engineering properties of clayey-sand treated with copper slag-based geopolymer. <i>Construction and Building Materials</i> , 2021 , 306, 124830	6.7	1
3	The effect of adding polypropylene fibers on the freeze-thaw cycle durability of lignosulfonate stabilised clayey sand. <i>Cold Regions Science and Technology</i> , 2021 , 193, 103418	3.8	0
2	Effect of coal waste on grain failure of cement-stabilized sand due to compaction. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	0
1	The presence of colloidal nano silica in sandy soils: a review. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	0