

Ghasem Habibagahi

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

711
citations

623188

14
h-index

580395

25
g-index

38
all docs

38
docs citations

38
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydro-mechanical behavior of undisturbed collapsible loessial soils under different stress state conditions. <i>Engineering Geology</i> , 2015, 195, 28-41.	2.9	92
2	Effective Stress in Unsaturated Soils: A Thermodynamic Approach Based on the Interfacial Energy and Hydromechanical Coupling. <i>Transport in Porous Media</i> , 2013, 96, 369-396.	1.2	78
3	Drying response and effective stress in a double porosity aggregated soil. <i>Engineering Geology</i> , 2009, 105, 44-50.	2.9	66
4	Stabilization of dispersive soils by means of biological calcite precipitation. <i>Geoderma</i> , 2018, 315, 130-137.	2.3	64
5	Modelling the mechanical behaviour of unsaturated soils using a genetic algorithm-based neural network. <i>Computers and Geotechnics</i> , 2011, 38, 2-13.	2.3	55
6	A neural network framework for mechanical behavior of unsaturated soils. <i>Canadian Geotechnical Journal</i> , 2003, 40, 684-693.	1.4	54
7	Post-construction settlement of rockfill dams analyzed via adaptive network-based fuzzy inference systems. <i>Computers and Geotechnics</i> , 2002, 29, 211-233.	2.3	29
8	Pore Network Investigation on Hysteresis Phenomena and Influence of Stress State on the SWRC. <i>International Journal of Geomechanics</i> , 2015, 15, .	1.3	29
9	Predicting effective stress parameter of unsaturated soils using neural networks. <i>Computers and Geotechnics</i> , 2012, 40, 89-96.	2.3	28
10	Effect of Confining Stress on Soil Water Retention Curve and its Impact on the Shear Strength of Unsaturated Soils. <i>Vadose Zone Journal</i> , 2014, 13, 1-11.	1.3	26
11	The role of suction and degree of saturation on the hydro-mechanical response of a dual porosity siltâ€“bentonite mixture. <i>Applied Clay Science</i> , 2013, 83-84, 83-90.	2.6	24
12	Prediction of SWCC using artificial intelligent systems: A comparative study. <i>Scientia Iranica</i> , 2011, 18, 1002-1008.	0.3	22
13	Biological Stabilization of a Swelling Fine-Grained Soil: The Role of Microstructural Changes in the Shear Behavior. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 405-414.	1.0	22
14	A hyperbolic model for volume change behavior of collapsible soils. <i>Canadian Geotechnical Journal</i> , 1998, 35, 264-272.	1.4	18
15	Bearing capacity factor, $N_{\hat{3}}$, for unsaturated soils by ZEL method. <i>Acta Geotechnica</i> , 2010, 5, 177-188.	2.9	15
16	Reservoir induced earthquakes analyzed via radial basis function networks. <i>Soil Dynamics and Earthquake Engineering</i> , 1998, 17, 53-56.	1.9	13
17	Foundations bearing capacity subjected to seepage by the kinematic approach of the limit analysis. <i>Frontiers of Structural and Civil Engineering</i> , 2013, 7, 446-455.	1.2	10
18	A Novel Approach to Measure the Volume Change of Triaxial Soil Samples Based on Image Processing. <i>Journal of Applied Sciences</i> , 2008, 8, 2387-2395.	0.1	10

#	ARTICLE	IF	CITATIONS
19	A Modified Osmotic Direct Shear Apparatus for Testing Unsaturated Soils. Geotechnical Testing Journal, 2013, 36, 20120092.	0.5	8
20	Mechanics of Unsaturated Soils: from Equilibrium to Transient Conditions. , 2013, , .		7
21	Biological treatment of swelling soils using microbial calcite precipitation. , 2014, , 917-922.		6
22	Removal of dissolved toluene in underground water with nanowires of manganese oxide. Adsorption Science and Technology, 2018, 36, 393-407.	1.5	4
23	Heat generation by ultrasound wave propagation in porous media with low permeability: Theoretical framework and coupled numerical modeling. Computers and Geotechnics, 2020, 124, 103607.	2.3	4
24	The Effective Stress in Unsaturated Soils: Insights from Thermodynamics. , 2012, , 5-11.		4
25	Discussion of "Matric Suction a Stress Variable" by Ning Lu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 407-407.	1.5	3
26	SWRC Modeling in Unsaturated Soils: A Pore Network Approach. , 2013, , .		3
27	Hydro-mechanical response of an expansive silt-bentonite mixture. , 2010, , 175-180.		3
28	A laboratory investigation on suppression of dust from wind erosion using biocementation with Bacillus amyloliquefaciens. Scientia Iranica, 2018, .	0.3	3
29	Seismic response of earth dams considering dynamic properties of unsaturated zone. E3S Web of Conferences, 2016, 9, 08002.	0.2	2
30	Dissolution-Seepage Coupled Analysis through Formations Containing Soluble Materials. Journal of Engineering Mechanics - ASCE, 2007, 133, 713-722.	1.6	1
31	Influence of Confining Stress on the Effective Stress Parameter. , 2013, , .		1
32	Determination of the effective stress parameter. , 2010, , 901-905.		1
33	Prediction of Collapse Potential via Artificial Neural Networks. , 0, , .		1
34	A study on the saturation degree dependency of the seismic behaviour of retaining walls. E3S Web of Conferences, 2016, 9, 05001.	0.2	0
35	Effective Stresses of an Unsaturated Expansive Soil Determined from Volume Change and Shear Response. , 2022, , .		0
36	A Genetic Algorithm Approach for Critical Non-Circular Slip Surface Analysis. , 0, , .		0