

Mounir Bouassida

List of Publications by Year in descending order

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77
papers

949
citations

516710

16
h-index

526287

27
g-index

82
all docs

82
docs citations

82
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved soft clay characteristics due to stone column installation. Computers and Geotechnics, 2007, 34, 104-111.	4.7	151
2	Bearing capacity of a foundation resting on a soil reinforced by a group of columns. Geotechnique, 1995, 45, 25-34.	4.0	56
3	Ultimate Bearing Capacity of Soft Clays Reinforced by a Group of Columns Application to a Deep Mixing Technique. Soils and Foundations, 2004, 44, 91-101.	3.1	44
4	Limit Analysis of Rigid Foundations on Floating Columns. International Journal of Geomechanics, 2009, 9, 89-101.	2.7	42
5	A homogenization method for estimating the bearing capacity of soils reinforced by columns. International Journal for Numerical and Analytical Methods in Geomechanics, 2005, 29, 989-1004.	3.3	34
6	Optimization of Design of Column-Reinforced Foundations. International Journal of Geomechanics, 2014, 14, .	2.7	33
7	Characterization of Tunisian marine sediments in Rades and Gabes harbors. International Journal of Sediment Research, 2014, 29, 391-401.	3.5	31
8	Effects of Densification and Stiffening on Liquefaction Risk of Reinforced Soil by Stone Columns. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	25
9	Extreme Load of Soils Reinforced by Columns: The Case of an Isolated Column. Soils and Foundations, 1995, 35, 21-35.	3.1	21
10	Clay and Marl Formation Susceptibility in Mila Province, Algeria. Geotechnical and Geological Engineering, 2010, 28, 805-813.	1.7	21
11	On settlement of stone column foundation by Priebe's method. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2010, 163, 101-107.	1.0	20
12	Observed Behaviour of Laterally Expanded Stone Column in Soft Soil. Geotechnical and Geological Engineering, 2013, 31, 739-752.	1.7	20
13	Experimental study for the mechanical characterization of Tunis soft soil reinforced by a group of sand columns. Soils and Foundations, 2015, 55, 181-191.	3.1	19
14	Effect of Granular-Column Installation on Excess Pore Pressure Variation during Soil Liquefaction. International Journal of Geomechanics, 2016, 16, .	2.7	19
15	On settlement prediction of soft clay reinforced by a group of stone columns. Innovative Infrastructure Solutions, 2017, 2, 1.	2.2	18
16	Numerical analysis of the installation effects on the behaviour of soft clay improved by stone columns. Geomechanics and Geoengineering, 2017, 12, 73-85.	1.8	17
17	Estimation par une approche variationnelle du tassement d'une fondation rigide sur sol renforcé par colonnes. Revue Française De Géotechnique, 2003, , 21-29.	0.1	17
18	Discussion on Tunis Soft Soil Sensitivity. Geotechnical and Geological Engineering, 2009, 27, 631-643.	1.7	16

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19	Stability analysis of an embankment resting upon a column-reinforced soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 1243-1256.	3.3	16
20	Numerical Analysis of Elastoplastic Behavior of Stone Column Foundation. Geotechnical and Geological Engineering, 2012, 30, 813-825.	1.7	16
21	Cylindrical Cavity Expansion in Elastoplastic Medium with a Variable Potential Flow. International Journal of Geomechanics, 2013, 13, 9-15.	2.7	16
22	A homogenization approach to estimate the ultimate bearing capacity of a stone column reinforced foundation. International Journal of Geotechnical Engineering, 2007, 1, 61-69.	2.0	14
23	Ultimate Bearing Capacity of a Strip Footing on Ground Reinforced by a Trench. International Journal of Geomechanics, 2015, 15, .	2.7	14
24	Étude expérimentale du renforcement de la vase de Tunis par colonnes de sable - Application pour la validation de la résistance en compression thésorique d'une cellule composite confinée. Revue Française De Géotechnique, 1996, , 3-12.	0.1	14
25	Micromechanical modelling of dry and saturated cement paste: Porosity assessment using ultrasonic waves. Mechanics Research Communications, 2013, 51, 8-14.	1.8	13
26	Parametric Study of a Clayey Specimen Reinforced by a Granular Column. International Journal of Geomechanics, 2015, 15, .	2.7	13
27	Experimental Study of Tunis Soft Soil Improved by Deep Mixing Column. Geotechnical and Geological Engineering, 2017, 35, 931-947.	1.7	13
28	Novel tool for optimised design of reinforced soils by columns. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2012, 165, 31-40.	1.0	12
29	Creep behavior of unsaturated cohesive soils subjected to various stress levels. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	12
30	Numerical analysis of cargo liquefaction mechanism under the swell motion. Marine Structures, 2018, 57, 52-71.	3.8	12
31	Capacité portante ultime d'un sol renforcé par une tranchée. Revue Européenne De Génie Civil, 2002, 6, 1381-1395.	0.0	11
32	Ultimate Lateral Resistance of Piles in Cohesive Soil. DFI Journal, 2013, 7, 59-68.	0.2	10
33	Prediction of stone column ultimate bearing capacity using expansion cavity model. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 106-115.	1.0	9
34	Assessment of observed behavior of soil reinforced by rigid inclusions. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	9
35	Physical modeling of load transfer in reinforced soil by rigid inclusions. International Journal of Geotechnical Engineering, 2012, 6, 331-342.	2.0	8
36	Phosphogypsum Management Challenges in Tunisia. Sustainable Civil Infrastructures, 2019, , 88-104.	0.2	8

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37	Bearing capacity of foundation on soil reinforced by deep mixing columns. <i>Geomechanics and Geoengineering</i> , 2022, 17, 309-320.	1.8	8
38	Calibration of an Elastoplastic Model for the Prediction of Stone Column Ultimate Bearing Capacity. , 2008, , .		7
39	Étude expérimentale en vue d'un modèle de comportement pour la vase de Tunis. <i>Revue Française De Géotechnique</i> , 2008, , 25-36.	0.1	7
40	3D Consolidation of Tunis Soft Clay Improved by Geodrains. <i>Geotechnical Testing Journal</i> , 2017, 40, 361-370.	1.0	7
41	Effective Width Rule in the Analysis of Footing on Reinforced Sand Slope. <i>Studia Geotechnica Et Mechanica</i> , 2019, 41, 42-55.	0.5	7
42	Extreme pressure due to expanded cylindrical and spherical cavity in a limitless medium: applications in soil mechanics. <i>Acta Geotechnica</i> , 2007, 2, 87-96.	5.7	6
43	Detecting defects in geomembranes of landfill liner systems: durable electrical method. <i>International Journal of Geotechnical Engineering</i> , 2013, 7, 130-135.	2.0	6
44	Assessment of observed behavior of Sidi El Barrak Dam (Tunisia). <i>Innovative Infrastructure Solutions</i> , 2016, 1, 1.	2.2	6
45	Impact of wall movements on the location of passive Earth thrust. <i>Open Geosciences</i> , 2021, 13, 570-581.	1.7	6
46	Phosphogypsum Management Perspectives. Massive Valorization or Massive Storage?. <i>Acta Scientific Agriculture</i> , 2019, 3, 184-189.	0.2	6
47	Numerical study of bending test on compacted clay by Discrete Element Method: tensile strength determination. <i>International Journal of Computer Applications in Technology</i> , 2009, 34, 13.	0.5	5
48	Numerical simulation of wet deposited Phosphogypsum embankment resting on dry deposited one. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	5
49	Experimental study on a scaled test model of soil reinforced by stone columns. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 1561-1580.	2.1	5
50	Performance of Soft Clays Reinforced by Floating Columns. , 2015, , 433-449.		4
51	Study of the behavior of Tunis soft clay. <i>Innovative Infrastructure Solutions</i> , 2016, 1, 1.	2.2	4
52	Geotechnical Characteristics of Tanjung Bin Coal Bottom Ash. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 932, 012055.	0.6	4
53	Rational design of foundations on soil reinforced by columns. <i>Innovative Infrastructure Solutions</i> , 2016, 1, 1.	2.2	3
54	Numerical Simulation of the Effect of Loading Angle on Initial Cracks Position Point: Application to the Brazilian Test. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3573.	2.5	3

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55	New Approach for Characterization and Mitigation of the Swelling Phenomenon. <i>Frontiers in Built Environment</i> , 2022, 8, .	2.3	3
56	Comprehensive design of columnar reinforced foundations. <i>International Journal of Geotechnical Engineering</i> , 2013, 7, 156-164.	2.0	2
57	Discussion: Prediction of stone column ultimate capacity using cavity expansion model. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2015, 168, 231-234.	1.0	2
58	Assessment of the Foundation of Tunisia Ghezala Dam. <i>Geotechnical and Geological Engineering</i> , 2015, 33, 87-93.	1.7	2
59	Study of the Behavior of Tunis Soft Clay. , 2016, , .		2
60	Experimental study of Tunis soft soil improved by vacuum consolidation associated with geodrains. <i>Geomechanics and Geoengineering</i> , 2017, 12, 291-304.	1.8	2
61	Design of Columnar-Reinforced Foundations. , 2012, , .		2
62	Discussion: Bearing capacity of a foundation resting on a soil improved by a group of columns. <i>Geotechnique</i> , 1996, 46, 570-572.	4.0	1
63	Optimized design of foundations on soil reinforced by floating columns. <i>Ce/Papers</i> , 2018, 2, 165-176.	0.3	1
64	Contribution to the Study of Geotechnical Characterization and Behaviour of Tunis Soft Clay. <i>Sustainable Civil Infrastructures</i> , 2019, , 160-174.	0.2	1
65	Investigating Priebe's method for settlement estimation of foundation resting on soil reinforced by stone columns. , 2008, , 321-325.		1
66	A software programme for designing columnar reinforced soils. , 2008, , 327-332.		1
67	Use of Recharge Impulse Technology in Deep Foundations Set-up. , 2017, , .		1
68	Evaluation of Liquefaction Potential of New Caledonian Nickel Ores. <i>Sustainable Civil Infrastructures</i> , 2018, , 149-161.	0.2	1
69	Settlement of soft soil treated with group of floating bottom ash columns. , 0, 239, 270-277.		1
70	Detecting Defects in Geomembranes of Landfill Liner Systems – A Durable Electrical Method. , 2011, , .		0
71	Numerical Behavior of Reinforced Soil by Rigid Inclusion. , 2016, , .		0
72	Experimental Study of Stone Columns Installation in Kaolin Clay. , 2012, , .		0

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73	Application of Vacuum Consolidation for the Improvement of Tunis Soft Soil. Sustainable Civil Infrastructures, 2018, , 100-107.	0.2	0
74	Numerical Analysis of Liquefaction Susceptibility of Reinforced Soil with Stone Columns. Sustainable Civil Infrastructures, 2018, , 57-66.	0.2	0
75	Optimized Foundation Design in Geotechnical Engineering. Advances in Civil and Industrial Engineering Book Series, 2019, , 222-234.	0.2	0
76	Numerical Study of Passive Earth Pressure on Retaining Walls. Sustainable Civil Infrastructures, 2020, , 89-105.	0.2	0
77	Experimental study on ground improvement using bottom ash columns. AIP Conference Proceedings, 2021, , .	0.4	0