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	Bearing capacity of foundation on soil reinforced by deep mixing columns. Geomechanics and Geoengineering, 2022, 17, 309-320.	1.8	8
2	Experimental study on a scaled test model of soil reinforced by stone columns. European Journal of Environmental and Civil Engineering, 2022, 26, 1561-1580.	2.1	5
3	New Approach for Characterization and Mitigation of the Swelling Phenomenon. Frontiers in Built Environment, 2022, 8, .	2.3	3
4	Numerical Simulation of the Effect of Loading Angle on Initial Cracks Position Point: Application to the Brazilian Test. Applied Sciences (Switzerland), 2021, 11, 3573.	2.5	3
5	Impact of wall movements on the location of passive Earth thrust. Open Geosciences, 2021, 13, 570-581.	1.7	6
6	Experimental study on ground improvement using bottom ash columns. AIP Conference Proceedings, 2021, , .	0.4	0
7	Numerical simulation of wet deposited Phosphogypsum embankment resting onÂdry deposited one. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	5
8	Numerical Study of Passive Earth Pressure on Retaining Walls. Sustainable Civil Infrastructures, 2020, , 89-105.	0.2	0
9	Contribution to the Study of Geotechnical Characterization and Behaviour of Tunis Soft Clay. Sustainable Civil Infrastructures, 2019, , 160-174.	0.2	1
10	Phosphogypsum Management Challenges in Tunisia. Sustainable Civil Infrastructures, 2019, , 88-104.	0.2	8
11	Effective Width Rule in the Analysis of Footing on Reinforced Sand Slope. Studia Geotechnica Et Mechanica, 2019, 41, 42-55.	0.5	7
12	Phosphogypsum Management Perspectives. Massive Valorization or Massive Storage?. Acta Scientific Agriculture, 2019, 3, 184-189.	0.2	6
13	Optimized Foundation Design in Geotechnical Engineering. Advances in Civil and Industrial Engineering Book Series, 2019, , 222-234.	0.2	0
14	Creep behavior of unsaturated cohesive soils subjected to various stress levels. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	12
15	Numerical analysis of cargo liquefaction mechanism under the swell motion. Marine Structures, 2018, 57, 52-71.	3.8	12
16	Optimized design of foundations on soil reinforced by floating columns. Ce/Papers, 2018, 2, 165-176.	0.3	1
17	Application of Vacuum Consolidation for the Improvement of Tunis Soft Soil. Sustainable Civil Infrastructures, 2018, , 100-107.	0.2	0
18	Evaluation of Liquefaction Potential of New Caledonian Nickel Ores. Sustainable Civil Infrastructures, 2018, , 149-161.	0.2	1

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19	Numerical Analysis of Liquefaction Susceptibility of Reinforced Soil with Stone Columns. Sustainable Civil Infrastructures, 2018, , 57-66.	0.2	0
20	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
21	Experimental Study of Tunis Soft Soil Improved by Deep Mixing Column. Geotechnical and Geological Engineering, 2017, 35, 931-947.	1.7	13
22	On settlement prediction of soft clay reinforced by a group of stone columns. Innovative Infrastructure Solutions, 2017, 2, 1.	2.2	18
23	Experimental study of Tunis soft soil improved by vacuum consolidation associated with geodrains. Geomechanics and Geoengineering, 2017, 12, 291-304.	1.8	2
24	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
25	3D Consolidation of Tunis Soft Clay Improved by Geodrains. Geotechnical Testing Journal, 2017, 40, 361-370.	1.0	7
26	Use of Recharge Impulse Technology in Deep Foundations Set-up. , 2017, , .		1
27	Numerical Behavior of Reinforced Soil by Rigid Inclusion. , 2016, , .		0
28	Study of the Behavior of Tunis Soft Clay. , 2016, , .		2
29	Rational design of foundations on soil reinforced by columns. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	3
30	Assessment of observed behavior of soil reinforced by rigid inclusions. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	9
31	Study of the behavior of Tunis soft clay. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	4
32	Assessment of observed of behavior of Sidi El Barrak Dam (Tunisia). Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	6
33	Effect of Granular-Column Installation on Excess Pore Pressure Variation during Soil Liquefaction. International Journal of Geomechanics, 2016, 16, .	2.7	19
34	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
35	Discussion: Prediction of stone column ultimate capacity using cavity expansion model. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 231-234.	1.0	2
36	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

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37	Performance of Soft Clays Reinforced by Floating Columns. , 2015, , 433-449.		4
38	Assessment of the Foundation of Tunisia Ghezala Dam. Geotechnical and Geological Engineering, 2015, 33, 87-93.	1.7	2
39	Parametric Study of a Clayey Specimen Reinforced by a Granular Column. International Journal of Geomechanics, 2015, 15, .	2.7	13
40	Ultimate Bearing Capacity of a Strip Footing on Ground Reinforced by a Trench. International Journal of Geomechanics, 2015, 15, .	2.7	14
41	Optimization of Design of Column-Reinforced Foundations. International Journal of Geomechanics, 2014, 14, .	2.7	33
42	Characterization of Tunisian marine sediments in Rades and Gabes harbors. International Journal of Sediment Research, 2014, 29, 391-401.	3.5	31
43	Micromechanical modelling of dry and saturated cement paste: Porosity assessment using ultrasonic waves. Mechanics Research Communications, 2013, 51, 8-14.	1.8	13
44	Cylindrical Cavity Expansion in Elastoplastic Medium with a Variable Potential Flow. International Journal of Geomechanics, 2013, 13, 9-15.	2.7	16
45	Comprehensive design of columnar reinforced foundations. International Journal of Geotechnical Engineering, 2013, 7, 156-164.	2.0	2
46	Observed Behaviour of Laterally Expanded Stone Column in Soft Soil. Geotechnical and Geological Engineering, 2013, 31, 739-752.	1.7	20
47	Ultimate Lateral Resistance of Piles in Cohesive Soil. DFI Journal, 2013, 7, 59-68.	0.2	10
48	Detecting defects in geomembranes of landfill liner systems: durable electrical method. International Journal of Geotechnical Engineering, 2013, 7, 130-135.	2.0	6
49	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
50	Physical modeling of load transfer in reinforced soil by rigid inclusions. International Journal of Geotechnical Engineering, 2012, 6, 331-342.	2.0	8
51	Numerical Analysis of Elastoplastic Behavior of Stone Column Foundation. Geotechnical and Geological Engineering, 2012, 30, 813-825.	1.7	16
52	Design of Columnar-Reinforced Foundations. , 2012, , .		2
53	Experimental Study of Stone Columns Installation in Kaolin Clay. , 2012, , .		0
54	Detecting Defects in Geomembranes of Landfill Liner Systemsâ€"A Durable Electrical Method. , 2011, , .		0

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55	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
56	Clay and Marl Formation Susceptibility in Mila Province, Algeria. Geotechnical and Geological Engineering, 2010, 28, 805-813.	1.7	21
57	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
58	Discussion on Tunis Soft Soil Sensitivity. Geotechnical and Geological Engineering, 2009, 27, 631-643.	1.7	16
59	Limit Analysis of Rigid Foundations on Floating Columns. International Journal of Geomechanics, 2009, 9, 89-101.	2.7	42
60	Numerical study of bending test on compacted clay by Discrete Element Method: tensile strength determination. International Journal of Computer Applications in Technology, 2009, 34, 13.	0.5	5
61	Calibration of an Elastoplastic Model for the Prediction of Stone Column Ultimate Bearing Capacity. , 2008, , .		7
62	Ã‰tude expÃ©rimentale en vue dâ€™un modÃ¨le de comportement pour la vase de Tunis. Revue FranÃ§aise De GÃ©otechnique, 2008, , 25-36.	0.1	7
63	Investigating Priebeâ€™s method for settlement estimation of foundation resting on soil reinforced by stone columns. , 2008, , 321-325.		1
64	A software programme for designing columnar reinforced soils. , 2008, , 327-332.		1
65	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
66	Extreme pressure due to expanded cylindrical and spherical cavity in a limitless medium: applications in soil mechanics. Acta Geotechnica, 2007, 2, 87-96.	5.7	6
67	Improved soft clay characteristics due to stone column installation. Computers and Geotechnics, 2007, 34, 104-111.	4.7	151
68	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
69	Ultimate Bearing Capacity of Soft Clays Reinforced by a Group of Columnsâ€”Application to a Deep Mixing Technique. Soils and Foundations, 2004, 44, 91-101.	3.1	44
70	Estimation par une approche variationnelle du tassement dâ€™une fondation rigide sur sol renforcÃ© par colonnes. Revue FranÃ§aise De GÃ©otechnique, 2003, , 21-29.	0.1	17
71	CapacitÃ© portante ultime d'un sol renforcÃ© par une tranchÃ©e. Revue EuropÃ©enne De GÃ©nie Civil, 2002, 6, 1381-1395.	0.0	11
72	Discussion: Bearing capacity of a foundation resting on a soil improved by a group of columns. Geotechnique, 1996, 46, 570-572.	4.0	1

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73	Ã‰tude expÃ©rimentale du renforcement de la vase de Tunis par colonnes de sable - Application pour la validation de la rÃ©sistance en compression thÃ©orique d'une cellule composite confinÃ©e. Revue FranÃ§aise De GÃ©otechnique, 1996, , 3-12.	0.1	14
74	Extreme Load of Soils Reinforced by Columns: The Case of an Isolated Column. Soils and Foundations, 1995, 35, 21-35.	3.1	21
75	Bearing capacity of a foundation resting on a soil reinforced by a group of columns. Geotechnique, 1995, 45, 25-34.	4.0	56
76	Geotechnical Characteristics of Tanjung Bin Coal Bottom Ash. IOP Conference Series: Materials Science and Engineering, 0, 932, 012055.	0.6	4
77	Settlement of soft soil treated with group of floating bottom ash columns. , 0, 239, 270-277.		1