Mohammed Y Fattah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4481727/publications.pdf

Version: 2024-02-01

146	1,599	394421	526287
papers	citations	19 h-index	27 g-index

147	147	147	783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of soil suction on swelling pressure of bentonite-sand mixtures. European Journal of Environmental and Civil Engineering, 2022, 26, 2554-2568.	2.1	25
2	A study on leaching of collapsible gypseous soils. International Journal of Geotechnical Engineering, 2022, 16, 44-54.	2.0	23
3	Geotechnical properties of clayey soil improved by sewage sludge ash. Journal of the Air and Waste Management Association, 2022, 72, 34-47.	1.9	11
4	Bearing capacity of foundation on soil reinforced by deep mixing columns. Geomechanics and Geoengineering, 2022, 17, 309-320.	1.8	8
5	Simulation of behaviour of swelling soil supported by a retaining wall. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2022, 175, 293-302.	0.8	8
6	Effect of Embedment Depth on Cyclic Behavior of Tank Footings on Dry Sand. Transportation Infrastructure Geotechnology, 2022, 9, 220-235.	3.1	2
7	Response of Different Machine Foundation Shapes Resting on Dry Sand to Dynamic Loading. Tikrit Journal of Engineering Science, 2022, 27, 29-39.	0.3	4
8	Analysis of Asphalt Geogrid Reinforced Pavement Rutting by Finite Element Method. IOP Conference Series: Earth and Environmental Science, 2022, 961, 012049.	0.3	4
9	Strengthening Of Soft Soil Using Caboxymethyl Cellelouse Biopolymer. IOP Conference Series: Earth and Environmental Science, 2022, 961, 012030.	0.3	7
10	Numerical Simulation of the Effect of Repeated Load and Waste Polypropylene on the Behavior of Asphalt Layers. IOP Conference Series: Earth and Environmental Science, 2022, 961, 012039.	0.3	0
11	Permanent Deformation Characterization of Stone Matrix Asphalt Reinforced by Different Types of Fibers. Engineering Journal, 2022, 28, 99-116.	0.6	6
12	A model for variation with time of flexiblepavement temperature. Open Engineering, 2022, 12, 176-183.	1.6	6
13	Typical strength of asphalt mixtures compacted by gyratory compactor. Journal of the Mechanical Behavior of Materials, 2022, 31, 186-192.	1.8	0
14	Reducing settlement of soft clay using different grouting materials. Journal of the Mechanical Behavior of Materials, 2022, 31, 240-247.	1.8	4
15	Swelling Behavior of Unsaturated Expansive Soil. Transportation Infrastructure Geotechnology, 2021, 8, 37-58.	3.1	17
16	Effect of soil saturation on load transfer in a pile excited by pure vertical vibration. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2021, 174, 132-144.	0.8	13
17	Vertical and horizontal displacement of model piles in dry soil with horizontal excitation. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2021, 174, 239-258.	0.8	11
18	Geogrid reinforcement optimal location under different tire contact stress assumptions. International Journal of Pavement Research and Technology, 2021, 14, 357-365.	2.6	7

#	Article	IF	Citations
19	Experimental and numerical modeling of moving retaining wall in expansive soil. Geomechanics and Geoengineering, 2021, 16, 116-132.	1.8	10
20	Compressibility Characteristics of Soft Clays Treated by Graphene Oxide. Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University, 2021, 56, .	0.2	3
21	Comparison between methods of soil saturation on determination of the soil water characteristic curve of cohesive soils. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	9
22	Finite element analysis of a zoned earth dam under earthquake excitation. IOP Conference Series: Materials Science and Engineering, 2021, 1067, 012074.	0.6	1
23	Distribution of Stresses in Reinforced and Unreinforced Flexible Pavement Layers under Dynamic Load. IOP Conference Series: Materials Science and Engineering, 2021, 1090, 012023.	0.6	0
24	Dispersion characteristics of MgO-treated dispersive clay. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	12
25	Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive. Ain Shams Engineering Journal, 2021, 12, 3619-3627.	6.1	18
26	Geogrid bridging over existing shallow flexible PVC buried pipe â€“ Experimental study. Tunnelling and Underground Space Technology, 2021, 113, 103945.	6.2	13
27	Characteristics of Asphalt Binder and Mixture Modified With Waste Polypropylene. Engineering and Technology Journal, 2021, 39, 1224-1230.	0.7	6
28	Improvement of Soft Clayey Soil by Bio-polymer. Engineering and Technology Journal, 2021, 39, 1301-1306.	0.7	6
29	Earthquake Response of Model Footings on Soft Clays Strengthened by Stone Columns. Engineering and Technology Journal, 2021, 39, 1216-1222.	0.7	1
30	Function and Application of Geogrid in Flexible Pavement under Dynamic Load. Engineering and Technology Journal, 2021, 39, 1231-1241.	0.7	3
31	Tracing of stresses and pore water pressure changes during a multistage modified relaxation test model on organic soil. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	2
32	Investigation of the end bearing load in pile group model in dry soil under horizontal excitation. Acta Geotechnica Slovenica, 2021, 18, 79-106.	0.3	12
33	Effect of Pile's Number on the Behavior of Piled Raft Foundation. Engineering and Technology Journal, 2021, 39, 1080-1091.	0.7	5
34	Numerical Analysis of Treatment of Highly Expansive Soil by Partial Replacement with Crushed Concrete. IOP Conference Series: Earth and Environmental Science, 2021, 856, 012005.	0.3	3
35	Influence of Geogrid Reinforcement of Sand in Transfer of Dynamic Loading to Underground Structure. IOP Conference Series: Earth and Environmental Science, 2021, 856, 012013.	0.3	0
36	Characteristics of Soft Clays Enhanced by Graphene Oxide. IOP Conference Series: Earth and Environmental Science, 2021, 856, 012018.	0.3	1

#	Article	IF	Citations
37	Experimental Investigation for Dynamic Response of Saturated Clay Under Machine Foundation. Lecture Notes in Civil Engineering, 2021, , 365-374.	0.4	4
38	Case Study of Retaining Wall Supporting Swelling Soil in Mosul City. Lecture Notes in Civil Engineering, 2021, , 27-37.	0.4	2
39	Production of Waste Rubber-Made Geogrid Reinforcement for Strengthening Weak Soils. Lecture Notes in Civil Engineering, 2021, , 265-278.	0.4	0
40	Settlement of Ring Footing Resting on Geocell Reinforced Sandy Soil under Cyclic Load. E3S Web of Conferences, 2021, 318, 01003.	0.5	1
41	Cavity Effects on Axially Loaded Single Pipe Piles Embedded in a Sand Deposit. , 2021, , .		3
42	Consistency Characteristics of Dispersive Clays. Engineering and Technology Journal, 2021, 39, 1753-1759.	0.7	2
43	Dynamic Behavior of Pavement Layers on Sand Subgrade. Engineering and Technology Journal, 2021, 39, 1760-1770.	0.7	0
44	The Role of Granular Cushion in Load Sharing of Unconnected Piled Rafts in Clayey Soils. Engineering and Technology Journal, 2021, 39, 1789-1796.	0.7	2
45	EXPLORING THE EFFECT OF ORGANIC ADDITIVES ON PHYSICAL PROPERTIES OF BITUMEN. E-GFOS, 2021, 12, 49-60.	0.3	0
46	Effect of saturation on response of a single pile embedded in saturated sandy soil to vertical vibration. European Journal of Environmental and Civil Engineering, 2020, 24, 381-400.	2.1	17
47	Load sharing and behavior of single pile embedded in unsaturated swelling soil. European Journal of Environmental and Civil Engineering, 2020, 24, 1967-1992.	2.1	18
48	Erosion of dune sands stabilised by grouting with limeâ€“silica fume mix. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2020, 173, 3-18.	1.0	6
49	Experimental investigation on the bearing capacity of skirted foundations on submerged gypseous soil. Marine Georesources and Geotechnology, 2020, 38, 1151-1162.	2.1	18
50	Creep characteristics and pore water pressure changes during loading of water storage tank on soft organic soil. International Journal of Geotechnical Engineering, 2020, 14, 527-537.	2.0	9
51	Effect of soil plug removal on the load-carrying capacity of symmetric and non-symmetric pile groups. Ships and Offshore Structures, 2020, 15, 911-933.	1.9	9
52	Relationship between the matric suction and the shear strength in unsaturated soil. Case Studies in Construction Materials, 2020, 13, e00441.	1.7	18
53	Measuring pile shaft and tip capacities of a single pile embedded in saturated and unsaturated expansive clayey soil. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012086.	0.6	2
54	Bearing capacity of piles in unsaturated soil from theoretical and experimental approaches. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012101.	0.6	0

#	Article	IF	Citations
55	Effect of Track Speed on the Behavior of Railway Track Ballast System underlain by Clay. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012114.	0.6	8
56	Time-dependent collapse potential of unsaturated collapsible gypseous soils. World Journal of Engineering, 2020, 17, 283-294.	1.6	16
57	Dynamic response of pile group model in sandy soil to lateral excitation. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012091.	0.6	2
58	Dynamic Response of Machine Foundation Resting on End Bearing Piles. IOP Conference Series: Materials Science and Engineering, 2020, 978, 012038.	0.6	0
59	Evaluate Resistance of Warm Asphalt Mixtures to Rutting. IOP Conference Series: Materials Science and Engineering, 2020, 745, 012109.	0.6	7
60	Behavior of Group of Plugged and Unplugged Pipe Piles in Soil Containing Cavities. IOP Conference Series: Materials Science and Engineering, 2020, 888, 012068.	0.6	1
61	Effect of mode of vibration on the response of machine foundation on sand. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012089.	0.6	0
62	Effect of diameter on the load carrying capacity of Closed-Open Ended Pipe piles. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012096.	0.6	1
63	Effect of Embedment Depth for Circular Footing on the Amplitude of Displacement under Dynamic Load. IOP Conference Series: Materials Science and Engineering, 2020, 671, 012024.	0.6	2
64	Model Studies on Load Sharing for Shaft and Tip of Pile Groups in Saturated and Unsaturated Soils. Geotechnical and Geological Engineering, 2020, 38, 4227-4242.	1.7	7
65	Evaluation of the moisture damage of warm asphalt mixtures. Innovative Infrastructure Solutions, 2020, 5, 1.	2.2	5
66	Cyclic Settlement of Footings of Different Shapes Resting on Clayey Soil. Engineering and Technology Journal, 2020, 38, 465-477.	0.7	3
67	Application of energy absorbing layer to soil-structure interaction analysis. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012097.	0.6	3
68	New Trend to Measure the Saturation Point and Suction in Granular Soil. Engineering and Technology Journal, 2020, 38, 1570-1579.	0.7	4
69	Laboratory Study on Load Carrying Capacity of Pile Group in Unsaturated Clay. Arabian Journal for Science and Engineering, 2019, 44, 4613-4627.	3.0	10
70	Contact pressure distribution under circular shallow foundation subjected to vertical and rocking vibration modes. Journal of Building Engineering, 2019, 26, 100908.	3.4	4
71	Bearing capacity of isolated square footing resting on contaminated sandy soil with crude oil. Egyptian Journal of Petroleum, 2019, 28, 281-288.	2.6	5
72	Behavior of Swelling Soil Treated by Grid Geocell Columns under a Tank Footing. IOP Conference Series: Materials Science and Engineering, 2019, 579, 012041.	0.6	4

#	Article	IF	Citations
73	Evaluation of the mechanical stability of asphalt mixture using the gyratory compactor. International Journal of Pavement Research and Technology, 2019, 12, 508-518.	2.6	10
74	Stress distribution from railway track over geogrid reinforced ballast underlain by clay. Earthquake Engineering and Engineering Vibration, 2019, 18, 77-93.	2.3	25
75	Assessment of Mechanical Stability Performance of Asphalt Mixture Using Superpave Gyratory Compactor. Journal of Transportation Engineering Part B: Pavements, 2019, 145, 04019004.	1.5	13
76	Behavior of Different Materials for Stone Column Construction. Journal of Engineering and Applied Sciences, 2019, 14, 1162-1168.	0.2	12
77	Determination of the Soil Water Characteristic Curve for Unsaturated Gypseous Soil from Model Tests. Research Journal of Applied Sciences, 2019, 13, 544-551.	0.1	4
78	Effect of Load Frequency on the Track Rail and Subgrade Layer Settlement. Journal of Engineering and Applied Sciences, 2019, 14, 6723-6730.	0.2	7
79	Strength characteristics of dune sand stabilized with lime-silica fume mix. International Journal of Pavement Engineering, 2018, 19, 874-882.	4.4	13
80	Load distribution in pile group embedded in sandy soil containing cavity. KSCE Journal of Civil Engineering, 2018, 22, 509-519.	1.9	13
81	Behavior of Flexible Buried Pipes Under Geocell Reinforced Subbase Subjected to Repeated Loading. International Journal of Geotechnical Earthquake Engineering, 2018, 9, 22-41.	0.6	28
82	Effect of hydraulic conductivity of unsaturated soil on the earth dam performance. MATEC Web of Conferences, 2018, 162, 01008.	0.2	2
83	Impact Induced Responses of Saturated and Dry Dense Sand. International Journal of Geotechnical Earthquake Engineering, 2018, 9, 63-85.	0.6	4
84	Design and Improvement of foundation soil for high-rise construction. MATEC Web of Conferences, 2018, 170, 03001.	0.2	6
85	Bearing Capacity of Uplift Piles with End Gates. Springer Series in Geomechanics and Geoengineering, 2018, , 893-897.	0.1	6
86	Experimental and Numerical Behavior of Railway Track Over Geogrid Reinforced Ballast Underlain by Soft Clay. Sustainable Civil Infrastructures, 2018, , 1-26.	0.2	18
87	Crude Oil Effect on the Clayey Soil Mechanical and Physical Properties. International Journal of Engineering and Technology(UAE), 2018, 7, 453.	0.3	5
88	Variation of Suction during Wetting of Unsaturated Collapsible Gypseous Soils. International Journal of Engineering and Technology(UAE), 2018, 7, 79.	0.3	16
89	Liquefaction Potential of Sandy Soil from Small Laboratory Machine Foundation Model. International Review of Civil Engineering, 2018, 9, 11.	0.1	3
90	Stabilization of soft kaolin clay with silica fume and lime. International Journal of Geotechnical Engineering, 2017, 11, 90-96.	2.0	59

#	Article	IF	Citations
91	Estimation of bearing capacity of floating group of stone columns. Engineering Science and Technology, an International Journal, 2017, 20, 1166-1172.	3.2	34
92	Determination of the soilâ€“water characteristic curve of unsaturated bentoniteâ€“sand mixtures. Environmental Earth Sciences, 2017, 76, 1.	2.7	27
93	Stress transfer from pile group in saturated and unsaturated soil using theoretical and experimental approaches. MATEC Web of Conferences, 2017, 120, 06005.	0.2	2
94	Stresses and pore water pressure induced by machine foundation on saturated sand. Ocean Engineering, 2017, 146, 268-281.	4.3	20
95	Vertical vibration capacity of a single pile in dry sand. Marine Georesources and Geotechnology, 2017, 35, 1111-1120.	2.1	10
96	Dynamic Response of Saturated Soil - Foundation System Acted upon by Vibration. Journal of Earthquake Engineering, 2017, 21, 1158-1188.	2.5	22
97	Development of Excess Pore Water Pressure around Piles Excited by Pure Vertical Vibration. International Journal of Civil Engineering, 2017, 15, 907-920.	2.0	9
98	Determination of liquefaction potential for two selected sites in Kerbala city- middle of Iraq. International Journal of Engineering and Technology(UAE), 2017, 7, 25.	0.3	2
99	Dynamic response of plates on elastic foundation under eccentric impact load. MATEC Web of Conferences, 2017, 120, 06006.	0.2	1
100	Determination of Collapse Potential of Gypseous Soil from Field and Laboratory Tests. Diyala Journal of Engineering Sciences, 2017, 10, 75-85.	0.3	15
101	Compaction and Collapse Characteristics of Dune Sand Stabilized with Lime-Silica Fume Mix. Earth Sciences Research Journal, 2016, 20, 1.	0.6	10
102	IMPROVING GEOTECHNICAL CHARACTERISTICS OF KAOLIN SOIL USING SILICA FUME AND LIME. Special Topics and Reviews in Porous Media, 2016, 7, 77-85.	1.1	28
103	Load transfer and arching analysis in reinforced embankment. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2016, 169, 797-808.	0.8	12
104	Behavior and characteristics of compacted expansive unsaturated bentonite-sand mixture. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 629-639.	8.1	28
105	Estimation of bearing capacity of open-ended model piles in sand. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	23
106	Treatment of Soil Swelling Using Geogrid Reinforced Columns. Italian Journal of Geosciences, 2016, 135, 83-94.	0.8	18
107	Prediction models for fatigue resistance of local hot mix asphalt. Road Materials and Pavement Design, 2016, 17, 793-809.	4.0	11
108	Experimental Analysis of Embankment on Ordinary and Encased Stone Columns. International Journal of Geomechanics, 2016, 16, .	2.7	74

#	Article	IF	Citations
109	Bearing capacity of open-ended pipe piles with restricted soil plug. Ships and Offshore Structures, 2016, 11, 501-516.	1.9	38
110	Vibration response of saturated sand - foundation system. Earthquake and Structures, 2016, 11, 83-107.	1.0	12
111	Numerical Simulation Of The Treatment Of Soil Swelling Using Grid Geocell Columns. Slovak Journal of Civil Engineering, 2015, 23, 9-18.	0.5	7
112	Characteristics of Clays Stabilized with Lime-Silica Fume Mix. Italian Journal of Geosciences, 2015, 134, 104-113.	0.8	35
113	Investigation on the Behavior of Conical Shell Foundations Composed of Reactive Powder Concrete Embedded on Sandy Soil. Advances in Structural Engineering, 2015, 18, 1859-1873.	2.4	4
114	Finite-element analysis of a piled machine foundation. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2015, 168, 421-432.	0.8	12
115	Dynamic response of a lined tunnel with transmitting boundaries. Earthquake and Structures, 2015, 8, 275-304.	1.0	16
116	Effect of Embedment Depth on Response of Machine Foundation on Saturated Sand. Arabian Journal for Science and Engineering, 2015, 40, 3075-3098.	1.1	20
117	Experimental study on the behavior of strip footing on sandy soil bounded by a wall. Arabian Journal of Geosciences, 2015, 8, 4779-4790.	1.3	15
118	Wetting and drying collapse behaviour of collapsible gypseous soils treated by grouting. Arabian Journal of Geosciences, 2015, 8, 2035-2049.	1.3	31
119	Improvement of bearing capacity of footing on soft clay grouted with lime-silica fume mix. Geomechanics and Engineering, 2015, 8, 113-132.	0.9	25
120	Effect of pile group geometry on bearing capacity of piled raft foundations. Structural Engineering and Mechanics, 2015, 54, 829-853.	1.0	15
121	Soil arching analysis in embankments on soft clays reinforced by stone columns. Structural Engineering and Mechanics, 2015, 56, 507-534.	1.0	28
122	Experimental and Theoretical Study on Bearing Capacity of Conical Shell Foundations Composed of Reactive Powder Concrete. Acta Geodynamica Et Geomaterialia, 2015, , 411-426.	0.5	5
123	Studying collapse potential of gypseous soil treated by grouting. Soils and Foundations, 2014, 54, 396-404.	3.1	39
124	Bearing Capacity of Rectangular Footing on Sandy Soil Bounded by a Wall. Arabian Journal for Science and Engineering, 2014, 39, 7621-7633.	1.1	21
125	Prediction of liquefaction potential and pore water pressure beneath machine foundations. Open Engineering, 2014, 4, .	1.6	7
126	Coupled pile-soil interaction analysis in undrained condition. Journal of Central South University, 2013, 20, 1376-1383.	3.0	6

#	Article	IF	Citations
127	Prediction of settlement trough induced by tunneling in cohesive ground. Acta Geotechnica, 2013, 8, 167-179.	5.7	35
128	Treatment of collapse of gypseous soils by grouting. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2013, 166, 32-43.	1.0	16
129	Experimental evaluation of stress concentration ratio of model stone columns strengthened by additives. International Journal of Physical Modelling in Geotechnics, 2013, 13, 79-98.	0.6	16
130	Time dependent behavior of piled raft foundation in clayey soil. Geomechanics and Engineering, 2013, 5, 17-36.	0.9	22
131	Pile-clayey soil interaction analysis by boundary element method. Journal of Rock Mechanics and Geotechnical Engineering, 2012, 4, 28-43.	8.1	7
132	Treatment of Collapsibility of Gypseous Soils by Dynamic Compaction. Geotechnical and Geological Engineering, 2012, 30, 1369-1387.	1.7	19
133	A Procedure for Analysing Reinforced Embankments. Arabian Journal for Science and Engineering, 2012, 37, 1547-1555.	1.1	4
134	Finite Element Analysis of Geogrid Encased Stone Columns. Geotechnical and Geological Engineering, 2012, 30, 713-726.	1.7	35
135	A Study on the Behaviour of Geogrid Encased Capped Stone Columns by the Finite Element Method. International Journal of GEOMATE, 2012, , .	0.3	4
136	Boundary Element Analysis of a Lined Tunnel Problem. International Journal of Engineering, Transactions B: Applications, 2012, 25, 89-97.	0.7	9
137	Response to â€œDiscussion of Stress Concentration Ratio of Model Stone Columns in Soft Claysâ€•by Fattah, M., Shlash, K., and Al-Waily, M.. Geotechnical Testing Journal, 2012, 35, 104256.	1.0	0
138	Numerical Simulation of Triaxial Test in Clayey Soil Using Different Constitutive Relations. Advanced Materials Research, 2011, 243-249, 2973-2977.	0.3	3
139	Effect of Reduced Zone on Time-Dependent Analysis of Tunnels. Advances in Civil Engineering, 2011, 2011, 1-12.	0.7	5
140	Stress Concentration Ratio of Model Stone Columns in Soft Clays. Geotechnical Testing Journal, 2011, 34, 50-60.	1.0	16
141	Analysis of strip footings resting on reinforced granular trench by the finite element method. International Journal of Geotechnical Engineering, 2010, 4, 471-482.	2.0	13
142	Experimental and Statistical Study on Single and Groups of Stone Columns. Key Engineering Materials, 0, 857, 399-408.	0.4	2
143	Load carrying capacity of rectangular foundation on geogrid reinforced sloped sandy soil. IOP Conference Series: Materials Science and Engineering, 0, 737, 012094.	0.6	8
144	Effect of Nano-Carbon on Geotechnics Features of Gypseous Soils. Key Engineering Materials, 0, 895, 20-30.	0.4	1

#	Article	IF	Citations
145	Compressibility Characteristics of Soft Clays Treated by Graphene. IOP Conference Series: Materials Science and Engineering, 0, 978, 012035.	0.6	1
146	Settlement of Railway Track on Reinforced Ballast Overlain by Clayey. Journal of Transportation and Logistics, 0, , .	0.4	2