

# Mohammed Y Fattah

## List of Publications by Year in descending order

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146  
papers

1,599  
citations

394421

19  
h-index

526287

27  
g-index

147  
all docs

147  
docs citations

147  
times ranked

783  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Experimental Analysis of Embankment on Ordinary and Encased Stone Columns. International Journal of Geomechanics, 2016, 16, .   | 2.7 | 74        |
| 2  | Stabilization of soft kaolin clay with silica fume and lime. International Journal of Geotechnical Engineering, 2017, 11, 90-96.  | 2.0 | 59        |
| 3  | Studying collapse potential of gypseous soil treated by grouting. Soils and Foundations, 2014, 54, 396-404.   | 3.1 | 39        |
| 4  | Bearing capacity of open-ended pipe piles with restricted soil plug. Ships and Offshore Structures, 2016, 11, 501-516.  | 1.9 | 38        |
| 5  | Finite Element Analysis of Geogrid Encased Stone Columns. Geotechnical and Geological Engineering, 2012, 30, 713-726.   | 1.7 | 35        |
| 6  | Prediction of settlement trough induced by tunneling in cohesive ground. Acta Geotechnica, 2013, 8, 167-179.  | 5.7 | 35        |
| 7  | Characteristics of Clays Stabilized with Lime-Silica Fume Mix. Italian Journal of Geosciences, 2015, 134, 104-113.  | 0.8 | 35        |
| 8  | Estimation of bearing capacity of floating group of stone columns. Engineering Science and Technology, an International Journal, 2017, 20, 1166-1172.                           | 3.2 | 34        |
| 9  | Wetting and drying collapse behaviour of collapsible gypseous soils treated by grouting. Arabian Journal of Geosciences, 2015, 8, 2035-2049.                                    | 1.3 | 31        |
| 10 | 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        |
| 11 | Behavior and characteristics of compacted expansive unsaturated bentonite-sand mixture. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 629-639.               | 8.1 | 28        |
| 12 | 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        |
| 13 | Soil arching analysis in embankments on soft clays reinforced by stone columns. Structural Engineering and Mechanics, 2015, 56, 507-534.  | 1.0 | 28        |
| 14 | Determination of the soil-water characteristic curve of unsaturated bentonite-sand mixtures. Environmental Earth Sciences, 2017, 76, 1.   | 2.7 | 27        |
| 15 | 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        |
| 16 | Stress distribution from railway track over geogrid reinforced ballast underlain by clay. Earthquake Engineering and Engineering Vibration, 2019, 18, 77-93.                    | 2.3 | 25        |
| 17 | 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        |
| 18 | Estimation of bearing capacity of open-ended model piles in sand. Arabian Journal of Geosciences, 2016, 9, 1.   | 1.3 | 23        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A study on leaching of collapsible gypseous soils. International Journal of Geotechnical Engineering, 2022, 16, 44-54.  | 2.0 | 23        |
| 20 | Dynamic Response of Saturated Soil - Foundation System Acted upon by Vibration. Journal of Earthquake Engineering, 2017, 21, 1158-1188.   | 2.5 | 22        |
| 21 | Time dependent behavior of piled raft foundation in clayey soil. Geomechanics and Engineering, 2013, 5, 17-36.  | 0.9 | 22        |
| 22 | 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        |
| 23 | 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        |
| 24 | Stresses and pore water pressure induced by machine foundation on saturated sand. Ocean Engineering, 2017, 146, 268-281.  | 4.3 | 20        |
| 25 | Treatment of Collapsibility of Gypseous Soils by Dynamic Compaction. Geotechnical and Geological Engineering, 2012, 30, 1369-1387.  | 1.7 | 19        |
| 26 | Treatment of Soil Swelling Using Geogrid Reinforced Columns. Italian Journal of Geosciences, 2016, 135, 83-94.  | 0.8 | 18        |
| 27 | 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        |
| 28 | Experimental investigation on the bearing capacity of skirted foundations on submerged gypseous soil. Marine Georesources and Geotechnology, 2020, 38, 1151-1162.                     | 2.1 | 18        |
| 29 | Relationship between the matric suction and the shear strength in unsaturated soil. Case Studies in Construction Materials, 2020, 13, e00441.   | 1.7 | 18        |
| 30 | Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive. Ain Shams Engineering Journal, 2021, 12, 3619-3627.                                 | 6.1 | 18        |
| 31 | Experimental and Numerical Behavior of Railway Track Over Geogrid Reinforced Ballast Underlain by Soft Clay. Sustainable Civil Infrastructures, 2018, , 1-26.                         | 0.2 | 18        |
| 32 | 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        |
| 33 | Swelling Behavior of Unsaturated Expansive Soil. Transportation Infrastructure Geotechnology, 2021, 8, 37-58.   | 3.1 | 17        |
| 34 | Treatment of collapse of gypseous soils by grouting. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2013, 166, 32-43.   | 1.0 | 16        |
| 35 | 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        |
| 36 | Dynamic response of a lined tunnel with transmitting boundaries. Earthquake and Structures, 2015, 8, 275-304.   | 1.0 | 16        |

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|----|---|-----|-----------|
| 37 | Time-dependent collapse potential of unsaturated collapsible gypseous soils. World Journal of Engineering, 2020, 17, 283-294.   | 1.6 | 16        |
| 38 | Variation of Suction during Wetting of Unsaturated Collapsible Gypseous Soils. International Journal of Engineering and Technology(UAE), 2018, 7, 79.                                     | 0.3 | 16        |
| 39 | Stress Concentration Ratio of Model Stone Columns in Soft Clays. Geotechnical Testing Journal, 2011, 34, 50-60.   | 1.0 | 16        |
| 40 | 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        |
| 41 | Effect of pile group geometry on bearing capacity of piled raft foundations. Structural Engineering and Mechanics, 2015, 54, 829-853.   | 1.0 | 15        |
| 42 | Determination of Collapse Potential of Gypseous Soil from Field and Laboratory Tests. Diyala Journal of Engineering Sciences, 2017, 10, 75-85.  | 0.3 | 15        |
| 43 | 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        |
| 44 | Strength characteristics of dune sand stabilized with lime-silica fume mix. International Journal of Pavement Engineering, 2018, 19, 874-882.   | 4.4 | 13        |
| 45 | Load distribution in pile group embedded in sandy soil containing cavity. KSCE Journal of Civil Engineering, 2018, 22, 509-519.   | 1.9 | 13        |
| 46 | Assessment of Mechanical Stability Performance of Asphalt Mixture Using Superpave Gyrotory Compactor. Journal of Transportation Engineering Part B: Pavements, 2019, 145, 04019004.       | 1.5 | 13        |
| 47 | 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        |
| 48 | Geogrid bridging over existing shallow flexible PVC buried pipe – Experimental study. Tunnelling and Underground Space Technology, 2021, 113, 103945.                                     | 6.2 | 13        |
| 49 | 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        |
| 50 | 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        |
| 51 | Dispersion characteristics of MgO-treated dispersive clay. Arabian Journal of Geosciences, 2021, 14, 1.   | 1.3 | 12        |
| 52 | 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        |
| 53 | Vibration response of saturated sand - foundation system. Earthquake and Structures, 2016, 11, 83-107.  | 1.0 | 12        |
| 54 | Behavior of Different Materials for Stone Column Construction. Journal of Engineering and Applied Sciences, 2019, 14, 1162-1168.  | 0.2 | 12        |

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|----|--|-----|-----------|
| 55 | Prediction models for fatigue resistance of local hot mix asphalt. <i>Road Materials and Pavement Design</i> , 2016, 17, 793-809.  | 4.0 | 11        |
| 56 | Geotechnical properties of clayey soil improved by sewage sludge ash. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 34-47.  | 1.9 | 11        |
| 57 | Vertical and horizontal displacement of model piles in dry soil with horizontal excitation. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2021, 174, 239-258. | 0.8 | 11        |
| 58 | Compaction and Collapse Characteristics of Dune Sand Stabilized with Lime-Silica Fume Mix. <i>Earth Sciences Research Journal</i> , 2016, 20, 1.   | 0.6 | 10        |
| 59 | Vertical vibration capacity of a single pile in dry sand. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 1111-1120.  | 2.1 | 10        |
| 60 | Laboratory Study on Load Carrying Capacity of Pile Group in Unsaturated Clay. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4613-4627.  | 3.0 | 10        |
| 61 | Evaluation of the mechanical stability of asphalt mixture using the gyratory compactor. <i>International Journal of Pavement Research and Technology</i> , 2019, 12, 508-518.                        | 2.6 | 10        |
| 62 | Experimental and numerical modeling of moving retaining wall in expansive soil. <i>Geomechanics and Geoengineering</i> , 2021, 16, 116-132.  | 1.8 | 10        |
| 63 | Development of Excess Pore Water Pressure around Piles Excited by Pure Vertical Vibration. <i>International Journal of Civil Engineering</i> , 2017, 15, 907-920.                                    | 2.0 | 9         |
| 64 | Creep characteristics and pore water pressure changes during loading of water storage tank on soft organic soil. <i>International Journal of Geotechnical Engineering</i> , 2020, 14, 527-537.       | 2.0 | 9         |
| 65 | Effect of soil plug removal on the load-carrying capacity of symmetric and non-symmetric pile groups. <i>Ships and Offshore Structures</i> , 2020, 15, 911-933.                                      | 1.9 | 9         |
| 66 | Comparison between methods of soil saturation on determination of the soil water characteristic curve of cohesive soils. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.                        | 1.3 | 9         |
| 67 | Boundary Element Analysis of a Lined Tunnel Problem. <i>International Journal of Engineering, Transactions B: Applications</i> , 2012, 25, 89-97.  | 0.7 | 9         |
| 68 | Effect of Track Speed on the Behavior of Railway Track Ballast System underlain by Clay. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 737, 012114.                        | 0.6 | 8         |
| 69 | Load carrying capacity of rectangular foundation on geogrid reinforced sloped sandy soil. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 737, 012094.                          | 0.6 | 8         |
| 70 | Bearing capacity of foundation on soil reinforced by deep mixing columns. <i>Geomechanics and Geoengineering</i> , 2022, 17, 309-320.  | 1.8 | 8         |
| 71 | Simulation of behaviour of swelling soil supported by a retaining wall. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2022, 175, 293-302.                     | 0.8 | 8         |
| 72 | Pile-clayey soil interaction analysis by boundary element method. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2012, 4, 28-43.  | 8.1 | 7         |

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|----|---|-----|-----------|
| 73 | Prediction of liquefaction potential and pore water pressure beneath machine foundations. Open Engineering, 2014, 4, .  | 1.6 | 7         |
| 74 | Numerical Simulation Of The Treatment Of Soil Swelling Using Grid Geocell Columns. Slovak Journal of Civil Engineering, 2015, 23, 9-18.                               | 0.5 | 7         |
| 75 | Evaluate Resistance of Warm Asphalt Mixtures to Rutting. IOP Conference Series: Materials Science and Engineering, 2020, 745, 012109.                                 | 0.6 | 7         |
| 76 | 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         |
| 77 | Geogrid reinforcement optimal location under different tire contact stress assumptions. International Journal of Pavement Research and Technology, 2021, 14, 357-365. | 2.6 | 7         |
| 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 | Strengthening Of Soft Soil Using Caboxymethyl Celledulose Biopolymer. IOP Conference Series: Earth and Environmental Science, 2022, 961, 012030.                      | 0.3 | 7         |
| 80 | Coupled pile-soil interaction analysis in undrained condition. Journal of Central South University, 2013, 20, 1376-1383.  | 3.0 | 6         |
| 81 | Design and Improvement of foundation soil for high-rise construction. MATEC Web of Conferences, 2018, 170, 03001.   | 0.2 | 6         |
| 82 | Bearing Capacity of Uplift Piles with End Gates. Springer Series in Geomechanics and Geoengineering, 2018, , 893-897.   | 0.1 | 6         |
| 83 | Erosion of dune sands stabilised by grouting with lime-silica fume mix. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2020, 173, 3-18.       | 1.0 | 6         |
| 84 | Characteristics of Asphalt Binder and Mixture Modified With Waste Polypropylene. Engineering and Technology Journal, 2021, 39, 1224-1230.                             | 0.7 | 6         |
| 85 | Improvement of Soft Clayey Soil by Bio-polymer. Engineering and Technology Journal, 2021, 39, 1301-1306.  | 0.7 | 6         |
| 86 | Permanent Deformation Characterization of Stone Matrix Asphalt Reinforced by Different Types of Fibers. Engineering Journal, 2022, 28, 99-116.                        | 0.6 | 6         |
| 87 | A model for variation with time of flexiblepavement temperature. Open Engineering, 2022, 12, 176-183.   | 1.6 | 6         |
| 88 | Effect of Reduced Zone on Time-Dependent Analysis of Tunnels. Advances in Civil Engineering, 2011, 2011, 1-12.  | 0.7 | 5         |
| 89 | 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         |
| 90 | Evaluation of the moisture damage of warm asphalt mixtures. Innovative Infrastructure Solutions, 2020, 5, 1.  | 2.2 | 5         |

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|-----|--|-----|-----------|
| 91  | Experimental and Theoretical Study on Bearing Capacity of Conical Shell Foundations Composed of Reactive Powder Concrete. <i>Acta Geodynamica Et Geomaterialia</i> , 2015, , 411-426.    | 0.5 | 5         |
| 92  | Crude Oil Effect on the Clayey Soil Mechanical and Physical Properties. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 453.                                  | 0.3 | 5         |
| 93  | Effect of Pile's Number on the Behavior of Piled Raft Foundation. <i>Engineering and Technology Journal</i> , 2021, 39, 1080-1091.   | 0.7 | 5         |
| 94  | A Procedure for Analysing Reinforced Embankments. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 1547-1555.  | 1.1 | 4         |
| 95  | Investigation on the Behavior of Conical Shell Foundations Composed of Reactive Powder Concrete Embedded on Sandy Soil. <i>Advances in Structural Engineering</i> , 2015, 18, 1859-1873. | 2.4 | 4         |
| 96  | Impact Induced Responses of Saturated and Dry Dense Sand. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2018, 9, 63-85.  | 0.6 | 4         |
| 97  | Contact pressure distribution under circular shallow foundation subjected to vertical and rocking vibration modes. <i>Journal of Building Engineering</i> , 2019, 26, 100908.            | 3.4 | 4         |
| 98  | Behavior of Swelling Soil Treated by Grid Geocell Columns under a Tank Footing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 579, 012041.                     | 0.6 | 4         |
| 99  | A Study on the Behaviour of Geogrid Encased Capped Stone Columns by the Finite Element Method. <i>International Journal of GEOMATE</i> , 2012, , .                                       | 0.3 | 4         |
| 100 | Determination of the Soil Water Characteristic Curve for Unsaturated Gypseous Soil from Model Tests. <i>Research Journal of Applied Sciences</i> , 2019, 13, 544-551.                    | 0.1 | 4         |
| 101 | Experimental Investigation for Dynamic Response of Saturated Clay Under Machine Foundation. <i>Lecture Notes in Civil Engineering</i> , 2021, , 365-374.                                 | 0.4 | 4         |
| 102 | Response of Different Machine Foundation Shapes Resting on Dry Sand to Dynamic Loading. <i>Tikrit Journal of Engineering Science</i> , 2022, 27, 29-39.                                  | 0.3 | 4         |
| 103 | New Trend to Measure the Saturation Point and Suction in Granular Soil. <i>Engineering and Technology Journal</i> , 2020, 38, 1570-1579.   | 0.7 | 4         |
| 104 | Analysis of Asphalt Geogrid Reinforced Pavement Rutting by Finite Element Method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 961, 012049.                     | 0.3 | 4         |
| 105 | Reducing settlement of soft clay using different grouting materials. <i>Journal of the Mechanical Behavior of Materials</i> , 2022, 31, 240-247.   | 1.8 | 4         |
| 106 | Numerical Simulation of Triaxial Test in Clayey Soil Using Different Constitutive Relations. <i>Advanced Materials Research</i> , 2011, 243-249, 2973-2977.                              | 0.3 | 3         |
| 107 | Compressibility Characteristics of Soft Clays Treated by Graphene Oxide. <i>Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University</i> , 2021, 56, .                       | 0.2 | 3         |
| 108 | Function and Application of Geogrid in Flexible Pavement under Dynamic Load. <i>Engineering and Technology Journal</i> , 2021, 39, 1231-1241.  | 0.7 | 3         |

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|-----|--|-----|-----------|
| 109 | Liquefaction Potential of Sandy Soil from Small Laboratory Machine Foundation Model. International Review of Civil Engineering, 2018, 9, 11.   | 0.1 | 3         |
| 110 | Cyclic Settlement of Footings of Different Shapes Resting on Clayey Soil. Engineering and Technology Journal, 2020, 38, 465-477.   | 0.7 | 3         |
| 111 | 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         |
| 112 | Application of energy absorbing layer to soil-structure interaction analysis. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012097.   | 0.6 | 3         |
| 113 | Cavity Effects on Axially Loaded Single Pipe Piles Embedded in a Sand Deposit. , 2021, , .   |     | 3         |
| 114 | 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         |
| 115 | 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         |
| 116 | Effect of hydraulic conductivity of unsaturated soil on the earth dam performance. MATEC Web of Conferences, 2018, 162, 01008.   | 0.2 | 2         |
| 117 | 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         |
| 118 | Experimental and Statistical Study on Single and Groups of Stone Columns. Key Engineering Materials, 0, 857, 399-408.  | 0.4 | 2         |
| 119 | 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         |
| 120 | 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         |
| 121 | Effect of Embedment Depth on Cyclic Behavior of Tank Footings on Dry Sand. Transportation Infrastructure Geotechnology, 2022, 9, 220-235.  | 3.1 | 2         |
| 122 | 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         |
| 123 | Case Study of Retaining Wall Supporting Swelling Soil in Mosul City. Lecture Notes in Civil Engineering, 2021, , 27-37.  | 0.4 | 2         |
| 124 | Settlement of Railway Track on Reinforced Ballast Overlain by Clayey. Journal of Transportation and Logistics, 0, , .  | 0.4 | 2         |
| 125 | Consistency Characteristics of Dispersive Clays. Engineering and Technology Journal, 2021, 39, 1753-1759.  | 0.7 | 2         |
| 126 | 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         |



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|-----|---|-----|-----------|
| 127 | Dynamic response of plates on elastic foundation under eccentric impact load. MATEC Web of Conferences, 2017, 120, 06006.   | 0.2 | 1         |
| 128 | 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         |
| 129 | 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         |
| 130 | Finite element analysis of a zoned earth dam under earthquake excitation. IOP Conference Series: Materials Science and Engineering, 2021, 1067, 012074.                                   | 0.6 | 1         |
| 131 | Earthquake Response of Model Footings on Soft Clays Strengthened by Stone Columns. Engineering and Technology Journal, 2021, 39, 1216-1222.   | 0.7 | 1         |
| 132 | Effect of Nano-Carbon on Geotechnics Features of Gypseous Soils. Key Engineering Materials, 0, 895, 20-30.  | 0.4 | 1         |
| 133 | Characteristics of Soft Clays Enhanced by Graphene Oxide. IOP Conference Series: Earth and Environmental Science, 2021, 856, 012018.  | 0.3 | 1         |
| 134 | Compressibility Characteristics of Soft Clays Treated by Graphene. IOP Conference Series: Materials Science and Engineering, 0, 978, 012035.  | 0.6 | 1         |
| 135 | Settlement of Ring Footing Resting on Geocell Reinforced Sandy Soil under Cyclic Load. E3S Web of Conferences, 2021, 318, 01003.  | 0.5 | 1         |
| 136 | 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         |
| 137 | Dynamic Response of Machine Foundation Resting on End Bearing Piles. IOP Conference Series: Materials Science and Engineering, 2020, 978, 012038.   | 0.6 | 0         |
| 138 | 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         |
| 139 | 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         |
| 140 | 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         |
| 141 | Response to "Discussion of Stress Concentration Ratio of Model Stone Columns in Soft Clays" by Fattah, M., Shlash, K., and Al-Waily, M.. Geotechnical Testing Journal, 2012, 35, 104256.  | 1.0 | 0         |
| 142 | Production of Waste Rubber-Made Geogrid Reinforcement for Strengthening Weak Soils. Lecture Notes in Civil Engineering, 2021, , 265-278.  | 0.4 | 0         |
| 143 | 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         |
| 144 | Dynamic Behavior of Pavement Layers on Sand Subgrade. Engineering and Technology Journal, 2021, 39, 1760-1770.  | 0.7 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | EXPLORING THE EFFECT OF ORGANIC ADDITIVES ON PHYSICAL PROPERTIES OF BITUMEN. E-GFOS, 2021, 12, 49-60.                                     | 0.3 | 0         |
| 146 | Typical strength of asphalt mixtures compacted by gyratory compactor. Journal of the Mechanical Behavior of Materials, 2022, 31, 186-192. | 1.8 | 0         |