

# Hany El Naggar

## List of Publications by Citations

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39  
papers

218  
citations

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h-index

13  
g-index

39  
ext. papers

309  
ext. citations

2.5  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
39	Using TDA as an Engineered Stress-Reduction Fill over Preexisting Buried Pipes. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2019</b> , 10, 04018034	1.5	27
38	Earth Pressure Reduction System Using Geogrid-Reinforced Platform Bridging for Buried Utilities. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2015</b> , 141, 04015024	3.4	20
37	Coupled TDA Geocell Stress-Bridging System for Buried Corrugated Metal Pipes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2020</b> , 146, 04020052	3.4	17
36	Strength and Stiffness Properties of Green Lightweight Fill Mixtures. <i>Geotechnical and Geological Engineering</i> , <b>2016</b> , 34, 867-876	1.5	16
35	Innovative Application of Tire-Derived Aggregate around Corrugated Steel Plate Culverts. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2020</b> , 11, 04020025	1.5	15
34	Compressibility and Shear Strength Properties of Tire-Derived Aggregate Mixed with Lightweight Aggregate. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2019</b> , 10, 04018031	1.5	14
33	Evaluation of Piled Raft Performance Using a Verified 3D Nonlinear Numerical Model. <i>Geotechnical and Geological Engineering</i> , <b>2017</b> , 35, 1831-1845	1.5	10
32	Effect of Sample Size on TDA Shear Strength Parameters in Direct Shear Tests. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 1110-1119	1.7	10
31	Numerical Evaluation of Buried Wave Barriers Performance. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2020</b> , 6, 1	2	9
30	Shallow foundations on lightweight TDA backfill: Field tests and 3D numerical modelling. <i>Computers and Geotechnics</i> , <b>2020</b> , 126, 103761	4.4	9
29	Numerical Study on Buckling of End-Bearing Piles in Soft Soil Subjected to Axial Loads. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 3183-3201	1.5	8
28	North American Overview and a Canadian Perspective on the Use of Tire-Derived Aggregate in Highway Embankment Construction <b>2015</b> , 635-655		8
27	Using TDA underneath shallow foundations: simplified design procedure. <i>International Journal of Geotechnical Engineering</i> , <b>2019</b> , 1-15	1.5	6
26	Dynamic Characterization of Tire Derived Aggregates. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04020471	3	6
25	Seismic Design of Metal Arch Culverts: Design Codes Vs. Full Dynamic Analysis. <i>Journal of Earthquake Engineering</i> , <b>2019</b> , 1-38	1.8	5
24	Three-dimensional finite element modeling of corrugated metal pipes. <i>Transportation Geotechnics</i> , <b>2021</b> , 27, 100467	4	5
23	Effect of the Particle Size on the TDA Shear Strength and Stiffness Parameters in Large-Scale Direct Shear Tests. <i>Geotechnics</i> , <b>2021</b> , 1, 1-17		5

22	Earth pressure distribution around flexible arch pipes. <i>Engineering Structures</i> , <b>2021</b> , 237, 112226	4.7	4
21	Soil-Structure Interaction of Steel Fiber Reinforced Concrete Slab Strips on a Geogrid Reinforced Subgrade. <i>Geotechnical and Geological Engineering</i> , <b>2015</b> , 33, 727-738	1.5	3
20	Optimizing the Unconnected Piled Raft Foundation for Soft Clay Soils: Numerical Study. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 1095-1102	1.9	3
19	Axial Behavior of Innovative Sand-Coated GFRP Piles in Cohesionless Soil. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 04020179	3.1	3
18	Development of an empirical hyperbolic material model for TDA utilizing large-scale triaxial testing. <i>International Journal of Geotechnical Engineering</i> , 1-10	1.5	3
17	Improving the Stability of High Embankments Founded on Soft Marine Clay by Utilizing Prefabricated Vertical Drains and Controlling the Pace of Construction. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2021</b> , 7, 1	2	3
16	Design of Ram-Compacted Bearing Base Piling Foundations by Simple Numerical Modelling Approach and Artificial Intelligence Technique. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2021</b> , 7, 1	2	2
15	Evaluation of the Shear Strength Behavior of TDA Mixed with Fine and Coarse Aggregates for Backfilling around Buried Structures. <i>Sustainability</i> , <b>2021</b> , 13, 5087	3.6	2
14	Effect of the Particle Size on TDA Shear Strength Parameters in Triaxial Tests. <i>Buildings</i> , <b>2021</b> , 11, 76	3.2	2
13	Numerical Modeling of the Lateral Behavior of Concrete-Filled FRP Tube Piles in Sand. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 04020108	3.1	1
12	Numerical analysis of lateral earth pressure coefficient in inclined mine stopes. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , <b>2021</b> , 7, 1	3.8	1
11	Effect of the Employed Material Model on the Predicted Behaviour of Corrugated Metal Pipes. <i>Transportation Research Record</i> , 036119812110164	1.7	1
10	Optimising deep mixed soil zones in land reclamation projects. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , <b>2016</b> , 169, 54-63	1	0
9	Dynamic Properties of Granulated Rubber Using Different Laboratory Tests. <i>Buildings</i> , <b>2021</b> , 11, 186	3.2	0
8	Enhancing the interface friction between glass fiber-reinforced polymer sheets and sandy soils through sand coating. <i>Geomechanics and Geoengineering</i> , <b>2020</b> , 15, 186-202	1.4	0
7	Numerical Simulation of the Installation of Vibro Displacement Columns in Normally Consolidated Clay Using a Field Case Study. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2021</b> , 7, 1	2	0
6	Simplified material model for concrete containing high-content of tire-derived coarse aggregate under compression loading. <i>Canadian Journal of Civil Engineering</i> , <b>2021</b> , 48, 912-924	1.3	0
5	Effects of construction sequence and pace on the stability of high embankments founded on soft marine clay. <i>Transportation Geotechnics</i> , <b>2021</b> , 30, 100635	4	0

- 4 Novel adaptation of Marstons stress solution for inclined backfilled stopes. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 8221-8221 6.1
- 3 Evaluation of the Static Design Procedure in the Canadian Foundation Engineering Manual for Piles in Cohesionless Soil. *Geosciences (Switzerland)*, **2021**, 11, 472 2.7
- 2 Numerical Modelling of Induced Stresses in Buried Corrugated Metal Structures due to Compaction Efforts. *Transportation Geotechnics*, **2022**, 32, 100706 4
- 1 Utilizing I-shaped shear links as dampers to improve the behavior of concentrically braced frames. *Structural Design of Tall and Special Buildings*,e1895 1.8