Ahmed Ebid

List of Publications by Year
in descending order

43 papers	450 citations	932766 10 h-index	839053 18 g-index
45 all docs	45 docs citations	45 times ranked	119 citing authors

#	Article	IF	Citations
1	35ÂYears of (AI) in Geotechnical Engineering: State of the Art. Geotechnical and Geological Engineering, 2021, 39, 637-690.	0.8	72
2	Prediction of shear strength of FRP reinforced beams with and without stirrups using (GP) technique. Ain Shams Engineering Journal, 2021, 12, 2493-2510.	3.5	55
3	Multi-Objective Optimization of Sustainable Concrete Containing Fly Ash Based on Environmental and Mechanical Considerations. Buildings, 2022, 12, 948.	1.4	25
4	Artificial Intelligence for Developing Accurate Preliminary Cost Estimates for Composite Flooring Systems of Multi-Storey Buildings. Journal of Asian Architecture and Building Engineering, 2022, 21, 120-132.	1.2	24
5	Implementing QFD in decision making for selecting the optimal structural system for buildings. Construction Innovation, 2021, 21, 345-360.	1.5	21
6	Decision support system for optimum soft clay improvement technique for highway construction projects. Ain Shams Engineering Journal, 2020, 11, 213-223.	3.5	20
7	Prediction and performance analysis of compression index of multiple-binder-treated soil by genetic programming approach. Nanotechnology for Environmental Engineering, 2021, 6, 1.	2.0	20
8	Using Artificial Intelligence Techniques to Predict Punching Shear Capacity of Lightweight Concrete Slabs. Materials, 2022, 15, 2732.	1.3	20
9	Improving the Self-Healing of Cementitious Materials with a Hydrogel System. Gels, 2022, 8, 278.	2.1	20
10	Estimation of the undrained shear strength of east Port-Said clay using the genetic programming. Ain Shams Engineering Journal, 2020, 11, 961-969.	3.5	19
11	Selecting optimum structural system for R.C. multi-story buildings considering direct cost. Structures, 2020, 24, 296-303.	1.7	12
12	Decision support system to select the optimum steel portal frame coverage system. Ain Shams Engineering Journal, 2021, 12, 73-82.	3.5	12
13	Predicting nanocomposite binder improved unsaturated soil UCS using genetic programming. Nanotechnology for Environmental Engineering, 2021, 6, 1.	2.0	12
14	Effects of Sulfate and Sulfuric Acid on Efficiency of Geopolymers as Concrete Repair Materials. Gels, 2022, 8, 53.	2.1	10
15	Estimation of the erodibility of treated unsaturated lateritic soil using support vector machine-polynomial and -radial basis function and random forest regression techniques. Cleaner Materials, 2022, 3, 100039.	1.9	9
16	An Integrated Approach to Using Sheep Wool as a Fibrous Material for Enhancing Strength and Transport Properties of Concrete Composites. Materials, 2022, 15, 1638.	1.3	9
17	Predicting Nanobinder-Improved Unsaturated Soil Consistency Limits Using Genetic Programming and Artificial Neural Networks. Applied Computational Intelligence and Soft Computing, 2021, 2021, 1-13.	1.6	8
18	Shrinkage Limit Multi-AI-Based Predictive Models for Sustainable Utilization of Activated Rice Husk Ash for Treating Expansive Pavement Subgrade. Transportation Infrastructure Geotechnology, 2022, 9, 835-853.	1.9	6

#	Article	IF	Citations
19	Predictive models of volumetric stability (durability) and erodibility of lateritic soil treated with different nanotextured bio-ashes with application of loss of strength on immersion; GP, ANN and EPR performance study. Cleaner Materials, 2021, 1, 100006.	1.9	6
20	Estimating the subgrade reaction at deep braced excavation bed in dry granular soil using genetic programming (GP). Results in Engineering, 2022, 13, 100328.	2.2	6
21	Enhanced Acoustic Properties of a Novel Prepacked Aggregates Concrete Reinforced with Waste Polypropylene Fibers. Materials, 2022, 15, 1173.	1.3	6
22	Optimum Design of Fully Composite, Unstiffened, Built-Up, Hybrid Steel Girder Using GRG, NLR, and ANN Techniques. Journal of Engineering (United States), 2022, 2022, 1-25.	0.5	6
23	Evaluating the lateral subgrade reaction of soil using horizontal pile load test results. Ain Shams Engineering Journal, 2022, 13, 101734.	3.5	5
24	Effect of desiccation on ashcrete (HSDA)-treated soft soil used as flexible pavement foundation: zero carbon stabilizer approach. International Journal of Low-Carbon Technologies, 2022, 17, 563-570.	1.2	4
25	Estimating the swelling potential of non-carbon–based binder (NCBB)-treated clayey soil for sustainable green subgrade using AI (GP, ANN and EPR) techniques. International Journal of Low-Carbon Technologies, 2022, 17, 807-815.	1.2	4
26	Estimating the Optimum Weight for Latticed Power-Transmission Towers Using Different (AI) Techniques. Designs, 2022, 6, 62.	1.3	4
27	Decision model to identify the optimum retaining wall type for restricted highway projects sites. International Journal of Construction Management, 2023, 23, 1387-1394.	2.2	3
28	Estimating the Economic Quantities of Different Concrete Slab Types. International Journal of Innovative Research in Science, Engineering and Technology, 2015, 04, 2661-2669.	0.4	3
29	Estimating the Ultimate Bearing Capacity for Strip Footing Near and within Slopes Using AI (GP, ANN,) Tj ETQq1 1 0.784314 rgBT /Ov	0.5	3
30	Simplified Approach to Consider Cracking Effect on the Behavior of Laterally Loaded RC Piles. International Journal of Innovative Research in Science, Engineering and Technology, 2015, 4, 9589-9598.	0.4	2
31	Predicting the behaviour of laterally loaded flexible free head pile in layered soil using different AI (EPR, ANN and GP) techniques. Multiscale and Multidisciplinary Modeling, Experiments and Design, 0, , 1.	0.9	2
32	The Numerical Analysis of Replenishment of Hydrogel Void Space Concrete Using Hydrogels Containing Nano-Silica Particles through ELM-ANFIS. Gels, 2022, 8, 299.	2.1	2
33	AI (ANN, GP, and EPR)-based predictive models of bulk density, linear-volumetric shrinkage & desiccation cracking of HSDA-treated black cotton soil for sustainable subgrade. Geomechanics and Geoengineering, 0, , 1-20.	0.9	2
34	Evolutionary Prediction of Soil Loss from Observed Rainstorm Parameters in an Erosion Watershed Using Genetic Programming. Applied and Environmental Soil Science, 2021, 2021, 1-15.	0.8	1
35	Prediction of Soil Liquefaction Using Genetic Programming. SSRN Electronic Journal, 0, , .	0.4	1
36	Prediction of Uplift Capacity for Shallow Foundations Using Genetic Programming. SSRN Electronic Journal, 0, , .	0.4	1

#	Article	IF	Citations
37	Effect of Wrapping Reinforced Concrete Surface with FRP Sheets on Corrosion Resistance. International Journal of Engineering and Advanced Technology, 2019, 9, 2645-2649.	0.2	1
38	Different AI Predictive Models for Pavement Subgrade Stiffness and Resilient Deformation of Geopolymer Cement-Treated Lateritic Soil with Ordinary Cement Addition. International Journal of Pavement Research and Technology, 0, , .	1.3	1
39	Erodibility of Nanocomposite-Improved Unsaturated Soil Using Genetic Programming, Artificial Neural Networks, and Evolutionary Polynomial Regression Techniques. Sustainability, 2022, 14, 7403.	1.6	1
40	Estimation of Bearing Capacity of Strip Footing Rested on Bilayered Soil Profile Using FEM-AI-Coupled Techniques. Advances in Civil Engineering, 2022, 2022, 1-11.	0.4	1
41	Theoretical Study for R.C. Columns Strengthened with GFRP with Different Main Steel Ratio. SSRN Electronic Journal, 0, , .	0.4	0
42	Effect of Plastering Layer on Corrosion Resistances of Reinforced Concrete Beams. International Journal of Engineering and Advanced Technology, 2019, 9, 1390-1393.	0.2	0
43	Efficiencies of Different Techniques to Protect Rebars Against Corrosion. International Journal of Engineering and Advanced Technology, 2019, 9, 647-651.	0.2	0