Ehsan Sadrossadat

List of Publications by Year
in descending order

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16 papers	426 citations	759055 12 h-index	887953 17 g-index
17 all docs	17 docs citations	17 times ranked	294 citing authors

#	Article	IF	Citations
1	Prediction of the resilient modulus of flexible pavement subgrade soils using adaptive neuro-fuzzy inference systems. Construction and Building Materials, 2016, 123, 235-247.	3.2	70
2	Explicit formulation of bearing capacity of shallow foundations on rock masses using artificial neural networks: application and supplementary studies. Environmental Earth Sciences, 2015, 73, 3417-3431.	1.3	40
3	New design equations for estimation of ultimate bearing capacity of shallow foundations resting on rock masses. Geoscience Frontiers, 2016, 7, 91-99.	4.3	37
4	Numerical ANFIS-Based Formulation for Prediction of the Ultimate Axial Load Bearing Capacity of Piles Through CPT Data. Geotechnical and Geological Engineering, 2018, 36, 2057-2076.	0.8	36
5	Multi-objective mixture design of cemented paste backfill using particle swarm optimisation algorithm. Minerals Engineering, 2020, 153, 106385.	1.8	34
6	Indirect estimation of the ultimate bearing capacity of shallow foundations resting on rock masses. International Journal of Rock Mechanics and Minings Sciences, 2015, 80, 107-117.	2.6	31
7	Numerical formulation of confined compressive strength and strain of circular reinforced concrete columns using gene expression programming approach. Structural Concrete, 2018, 19, 783-794.	1.5	30
8	Development of ECO-UHPC utilizing gold mine tailings as quartz sand alternative. Cleaner Engineering and Technology, 2021, 4, 100176.	2.1	29
9	Towards application of linear genetic programming for indirect estimation of the resilient modulus of pavements subgrade soils. Road Materials and Pavement Design, 2018, 19, 139-153.	2.0	26
10	Multi-objective mixture design and optimisation of steel fiber reinforced UHPC using machine learning algorithms and metaheuristics. Engineering With Computers, 2022, 38, 2569-2582.	3.5	23
11	Use of adaptive neuro-fuzzy inference system and gene expression programming methods for estimation of the bearing capacity of rock foundations. Engineering Computations, 2018, 35, 2078-2106.	0.7	22
12	A NEW DESIGN EQUATION FOR PREDICTION OF ULTIMATE BEARING CAPACITY OF SHALLOW FOUNDATION ON GRANULAR SOILS. Journal of Civil Engineering and Management, 2014, 19, S78-S90.	1.9	12
13	New empirical formulations for indirect estimation of peak-confined compressive strength and strain of circular RC columns using LGP method. Engineering With Computers, 2018, 34, 865-880.	3.5	12
14	Predictive modelling of the M_R of subgrade cohesive soils incorporating CPT-related parameters through a soft-computing approach. Road Materials and Pavement Design, 2020, 21, 701-719.	2.0	9
15	An Evolutionary-Based Prediction Model of the 28-Day Compressive Strength of High-Performance Concrete Containing Cementitious Materials. Advances in Civil Engineering Materials, 2019, 8, 484-497.	0.2	7
16	An engineered ML model for prediction of the compressive strength of Eco-SCC based on type and proportions of materials. Cleaner Materials, 2022, 4, 100072.	1.9	3