Tayfun Dede

List of Publications by Year
in descending order

25 papers	685 citations	623734 14 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	604 citing authors

#	Article	IF	Citations
1	Estimates of energy consumption in Turkey using neural networks with the teaching–learning-based optimization algorithm. Energy, 2014, 75, 295-303.	8.8	93
2	Weight minimization of trusses with genetic algorithm. Applied Soft Computing Journal, 2011, 11, 2565-2575.	7.2	74
3	Combined size and shape optimization of structures with a new meta-heuristic algorithm. Applied Soft Computing Journal, 2015, 28, 250-258.	7.2	73
4	Application of Teaching-Learning-Based-Optimization algorithm for the discrete optimization of truss structures. KSCE Journal of Civil Engineering, 2014, 18, 1759-1767.	1.9	62
5	Modeling stream dissolved oxygen concentration using teaching–learning based optimization algorithm. Environmental Earth Sciences, 2015, 73, 6565-6576.	2.7	55
6	Design of reinforced concrete cantilever retaining wall using Grey wolf optimization algorithm. Structures, 2020, 23, 245-253.	3.6	51
7	Optimum design of grillage structures to LRFD-AISC with teaching-learning based optimization. Structural and Multidisciplinary Optimization, 2013, 48, 955-964.	3.5	39
8	Implementation of different encoding types on structural optimization based on adaptive genetic algorithm. Finite Elements in Analysis and Design, 2009, 45, 826-835.	3.2	25
9	Prediction of berm geometry using a set of laboratory tests combined with teaching–learning-based optimization and artificial bee colony algorithms. Applied Ocean Research, 2014, 48, 103-113.	4.1	24
10	Optimum design of reinforced concrete counterfort retaining walls using TLBO, Jaya algorithm. Structures, 2020, 25, 285-296.	3.6	24
11	Structural optimization with teaching-learning-based optimization algorithm. Structural Engineering and Mechanics, 2013, 47, 495-511.	1.0	24
12	A teaching learning based optimization for truss structures with frequency constraints. Structural Engineering and Mechanics, 2015, 53, 833-845.	1.0	23
13	Stacking sequence optimization for maximum fundamental frequency of simply supported antisymmetric laminated composite plates using Teaching–learning-based Optimization. KSCE Journal of Civil Engineering, 2017, 21, 2281-2288.	1.9	19
14	Jaya: A New Meta-heuristic Algorithm for the Optimization of Braced Dome Structures. Advances in Intelligent Systems and Computing, 2020, , 13-20.	0.6	18
15	Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing) technique. Engineering With Computers, 2021, 37, 477-487.	6.1	15
16	3D cost optimization of 3 story RC constructional building using Jaya algorithm. Structures, 2022, 40, 803-811.	3.6	15
17	Plasticity models for concrete material based on different criteria including Bresler–Pister. Materials & Design, 2010, 31, 278-286.	5.1	13
18	Comparative study of plasticity models for concrete material by using different criteria including Hsieh–Ting–Chen criterion. Materials & Design, 2010, 31, 1482-1489.	5.1	12

#	Article	IF	Citations
19	Artificial Intelligence Applications in Civil Engineering. Advances in Civil Engineering, 2019, 2019, 1-3.	0.7	10
20	Optimizing of Discrete Time-Cost in Construction Projects Using New Adaptive Weight Formulations. KSCE Journal of Civil Engineering, 2022, 26, 511-521.	1.9	6
21	Composed material models for nonlinear behavior of reinforced concrete. Computers and Concrete, 2013, 12, 303-318.	0.7	3
22	Ä°nÅŸaat SektÃ¶rÃ¼nde Ä°ÅŸ GÃ¼venliÄŸi MevzuatlarÄ±nÄ±n AlgÄ±lanabilirliÄŸi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2019, 7, 1087-1099.	0.7	2
23	Advanced Optimization Techniques and Their Applications in Civil Engineering. Advances in Civil Engineering, 2018, 2018, 1-2.	0.7	1
24	Truss optimization with frequency constraints based on TLBO algorithm. AIP Conference Proceedings, 2020, , .	0.4	1
25	DECISION-MAKING PROCESS TECHNIQUES USED IN THE OPTIMIZATION OF CONSTRUCTION PROJECTS. E-Journal of New World Sciences Academy, 2018, 13, 128-136.	0.2	0