Saeed Gholizadeh

List of Publications by Year
in descending order

41 papers	1,478 citations	218592 26 h-index	330025 37 g-index
41 all docs	41 docs citations	41 times ranked	840 citing authors

#	Article	IF	Citations
1	Layout optimization of truss structures by hybridizing cellular automata and particle swarm optimization. Computers and Structures, 2013, 125, 86-99.	2.4	97
2	Structural optimization with frequency constraints by genetic algorithm using wavelet radial basis function neural network. Journal of Sound and Vibration, 2008, 312, 316-331.	2.1	88
3	Optimum design of structures by an improved genetic algorithm using neural networks. Advances in Engineering Software, 2005, 36, 757-767.	1.8	86
4	Assessment of load carrying capacity of castellated steel beams by neural networks. Journal of Constructional Steel Research, 2011, 67, 770-779.	1.7	82
5	Performance-based optimum seismic design of steel structures by a modified firefly algorithm and a new neural network. Advances in Engineering Software, 2015, 81, 50-65.	1.8	76
6	Optimal design of structures subjected to time history loading by swarm intelligence and an advanced metamodel. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 2936-2949.	3.4	71
7	A new Newton metaheuristic algorithm for discrete performance-based design optimization of steel moment frames. Computers and Structures, 2020, 234, 106250.	2.4	67
8	Shape optimization of structures for frequency constraints by sequential harmony search algorithm. Engineering Optimization, 2013, 45, 627-646.	1.5	61
9	Performance based discrete topology optimization of steel braced frames by a new metaheuristic. Advances in Engineering Software, 2018, 123, 77-92.	1.8	56
10	Seismic layout optimization of steel braced frames by an improved dolphin echolocation algorithm. Structural and Multidisciplinary Optimization, 2016, 54, 1011-1029.	1.7	53
11	Multi-objective seismic design optimization of steel frames by a chaotic meta-heuristic algorithm. Engineering With Computers, 2017, 33, 1045-1060.	3.5	42
12	Structural optimization by wavelet transforms and neural networks. Applied Mathematical Modelling, 2011, 35, 915-929.	2.2	41
13	Optimal design of arch dams subjected to earthquake loading by a combination of simultaneous perturbation stochastic approximation and particle swarm algorithms. Applied Soft Computing Journal, 2011, 11, 39-48.	4.1	41
14	Optimum shape design of arch dams for earthquake loading using a fuzzy inference system and wavelet neural networks. Engineering Optimization, 2009, 41, 473-493.	1.5	40
15	Design optimization of tall steel buildings by a modified particle swarm algorithm. Structural Design of Tall and Special Buildings, 2014, 23, 285-301.	0.9	40
16	Optimal placement of steel plate shear walls for steel frames by bat algorithm. Structural Design of Tall and Special Buildings, 2015, 24, 1-18.	0.9	40
17	Optimal seismic design of steel structures by an efficient soft computing based algorithm. Journal of Constructional Steel Research, 2010, 66, 85-95.	1.7	39
18	An improved fireworks algorithm for discrete sizing optimization of steel skeletal structures. Engineering Optimization, 2018, 50, 1829-1849.	1.5	37

#	Article	IF	Citations
19	Performance-Based Optimum Design of Steel Frames by an Improved Quantum Particle Swarm Optimization. Advances in Structural Engineering, 2014, 17, 143-156.	1.2	36
20	Seismic fragility assessment of optimally designed steel moment frames. Engineering Structures, 2019, 179, 37-51.	2.6	34
21	Collapse-performance-aided design optimization of steel concentrically braced frames. Engineering Structures, 2019, 197, 109411.	2.6	32
22	Optimal design of structures for earthquake loads by a hybrid RBF-BPSO method. Earthquake Engineering and Engineering Vibration, 2008, 7, 13-24.	1.1	31
23	Optimum design of steel frame structures by a modified dolphin echolocation algorithm. Structural Engineering and Mechanics, 2015, 55, 535-554.	1.0	31
24	Optimal Design of Structures for Earthquake Loading by Self Organizing Radial Basis Function Neural Networks. Advances in Structural Engineering, 2010, 13, 339-356.	1.2	30
25	Shape optimization of arch dams by metaheuristics and neural networks for frequency constraints. Scientia Iranica, 2011, 18, 1020-1027.	0.3	28
26	An intelligent neural system for predicting structural response subject to earthquakes. Advances in Engineering Software, 2009, 40, 630-639.	1.8	27
27	Improved black hole and multiverse algorithms for discrete sizing optimization of planar structures. Engineering Optimization, 2019, 51, 1645-1667.	1.5	27
28	Reliability‐based optimum seismic design of RC frames by a metamodel and metaheuristics. Structural Design of Tall and Special Buildings, 2019, 28, e1552.	0.9	22
29	Topology optimization of nonlinear single-layer domes by an improved electro-search algorithm and its performance analysis using statistical tests. Structural and Multidisciplinary Optimization, 2020, 62, 1821-1848.	1.7	19
30	Multi-objective design optimization of steel moment frames considering seismic collapse safety. Engineering With Computers, 2021, 37, 1315-1328.	3.5	16
31	Reliability-Based Seismic Optimization of Steel Frames by Metaheuristics and Neural Networks. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, 04016013.	1.1	15
32	Damage‐controlled performance‐based design optimization of steel moment frames. Structural Design of Tall and Special Buildings, 2018, 27, e1498.	0.9	15
33	Topology optimization of nonlinear single layer domes by a new metaheuristic. Steel and Composite Structures, 2014, 16, 681-701.	1.3	13
34	Design of steel frames by an enhanced moth-flame optimization algorithm. Steel and Composite Structures, 2017, 24, 129-140.	1.3	13
35	Optimum Shape Design of Arch Dams by a Combination of Simultaneous Perturbation Stochastic Approximation and Genetic Algorithm Methods. Advances in Structural Engineering, 2008, 11, 501-510.	1.2	11
36	On the seismic collapse capacity of optimally designed steel braced frames. Engineering With Computers, 2022, 38, 985-997.	3.5	6

#	Article	IF	Citations
37	Performance-Based Optimum Seismic Design of Steel Dual Braced Frames by Bat Algorithm. Modeling and Optimization in Science and Technologies, 2016, , 95-114.	0.7	4
38	Mainshock–aftershock low-cycle fatigue damage evaluation of performance-based optimally designed steel moment frames. Engineering Structures, 2021, 237, 112207.	2.6	4
39	Optimal design of double layer barrel vaults considering nonlinear behavior. Structural Engineering and Mechanics, 2016, 58, 1109-1126.	1.0	3
40	Seismic collapse safety analysis of performance-based optimally designed reinforced concrete frames considering life-cycle cost. Journal of Building Engineering, 2021, 44, 103430.	1.6	3
41	Optimum Design of Structures for Earthquake Loading by a Cellular Evolutionary Algorithm and Neural Networks. , 0, , 306-322.		1