

# Saeed Gholizadeh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/957548/publications.pdf>

Version: 2024-02-01

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	On the seismic collapse capacity of optimally designed steel braced frames. <i>Engineering With Computers</i> , 2022, 38, 985-997.	3.5	6
2	Multi-objective design optimization of steel moment frames considering seismic collapse safety. <i>Engineering With Computers</i> , 2021, 37, 1315-1328.	3.5	16
3	Mainshockâ€œaftershock low-cycle fatigue damage evaluation of performance-based optimally designed steel moment frames. <i>Engineering Structures</i> , 2021, 237, 112207.	2.6	4
4	Seismic collapse safety analysis of performance-based optimally designed reinforced concrete frames considering life-cycle cost. <i>Journal of Building Engineering</i> , 2021, 44, 103430.	1.6	3
5	Topology optimization of nonlinear single-layer domes by an improved electro-search algorithm and its performance analysis using statistical tests. <i>Structural and Multidisciplinary Optimization</i> , 2020, 62, 1821-1848.	1.7	19
6	A new Newton metaheuristic algorithm for discrete performance-based design optimization of steel moment frames. <i>Computers and Structures</i> , 2020, 234, 106250.	2.4	67
7	Collapse-performance-aided design optimization of steel concentrically braced frames. <i>Engineering Structures</i> , 2019, 197, 109411.	2.6	32
8	Improved black hole and multiverse algorithms for discrete sizing optimization of planar structures. <i>Engineering Optimization</i> , 2019, 51, 1645-1667.	1.5	27
9	Seismic fragility assessment of optimally designed steel moment frames. <i>Engineering Structures</i> , 2019, 179, 37-51.	2.6	34
10	Reliabilityâ€œbased optimum seismic design of RC frames by a metamodel and metaheuristics. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1552.	0.9	22
11	An improved fireworks algorithm for discrete sizing optimization of steel skeletal structures. <i>Engineering Optimization</i> , 2018, 50, 1829-1849.	1.5	37
12	Performance based discrete topology optimization of steel braced frames by a new metaheuristic. <i>Advances in Engineering Software</i> , 2018, 123, 77-92.	1.8	56
13	Damageâ€œcontrolled performanceâ€œbased design optimization of steel moment frames. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1498.	0.9	15
14	Multi-objective seismic design optimization of steel frames by a chaotic meta-heuristic algorithm. <i>Engineering With Computers</i> , 2017, 33, 1045-1060.	3.5	42
15	Reliability-Based Seismic Optimization of Steel Frames by Metaheuristics and Neural Networks. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017, 3, 04016013.	1.1	15
16	Design of steel frames by an enhanced moth-flame optimization algorithm. <i>Steel and Composite Structures</i> , 2017, 24, 129-140.	1.3	13
17	Seismic layout optimization of steel braced frames by an improved dolphin echolocation algorithm. <i>Structural and Multidisciplinary Optimization</i> , 2016, 54, 1011-1029.	1.7	53
18	Performance-Based Optimum Seismic Design of Steel Dual Braced Frames by Bat Algorithm. <i>Modeling and Optimization in Science and Technologies</i> , 2016, , 95-114.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Optimal design of double layer barrel vaults considering nonlinear behavior. <i>Structural Engineering and Mechanics</i> , 2016, 58, 1109-1126.	1.0	3
20	Performance-based optimum seismic design of steel structures by a modified firefly algorithm and a new neural network. <i>Advances in Engineering Software</i> , 2015, 81, 50-65.	1.8	76
21	Optimal placement of steel plate shear walls for steel frames by bat algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2015, 24, 1-18.	0.9	40
22	Optimum design of steel frame structures by a modified dolphin echolocation algorithm. <i>Structural Engineering and Mechanics</i> , 2015, 55, 535-554.	1.0	31
23	Design optimization of tall steel buildings by a modified particle swarm algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2014, 23, 285-301.	0.9	40
24	Performance-Based Optimum Design of Steel Frames by an Improved Quantum Particle Swarm Optimization. <i>Advances in Structural Engineering</i> , 2014, 17, 143-156.	1.2	36
25	Topology optimization of nonlinear single layer domes by a new metaheuristic. <i>Steel and Composite Structures</i> , 2014, 16, 681-701.	1.3	13
26	Layout optimization of truss structures by hybridizing cellular automata and particle swarm optimization. <i>Computers and Structures</i> , 2013, 125, 86-99.	2.4	97
27	Shape optimization of structures for frequency constraints by sequential harmony search algorithm. <i>Engineering Optimization</i> , 2013, 45, 627-646.	1.5	61
28	Shape optimization of arch dams by metaheuristics and neural networks for frequency constraints. <i>Scientia Iranica</i> , 2011, 18, 1020-1027.	0.3	28
29	Assessment of load carrying capacity of castellated steel beams by neural networks. <i>Journal of Constructional Steel Research</i> , 2011, 67, 770-779.	1.7	82
30	Structural optimization by wavelet transforms and neural networks. <i>Applied Mathematical Modelling</i> , 2011, 35, 915-929.	2.2	41
31	Optimal design of arch dams subjected to earthquake loading by a combination of simultaneous perturbation stochastic approximation and particle swarm algorithms. <i>Applied Soft Computing Journal</i> , 2011, 11, 39-48.	4.1	41
32	Optimal Design of Structures for Earthquake Loading by Self Organizing Radial Basis Function Neural Networks. <i>Advances in Structural Engineering</i> , 2010, 13, 339-356.	1.2	30
33	Optimal seismic design of steel structures by an efficient soft computing based algorithm. <i>Journal of Constructional Steel Research</i> , 2010, 66, 85-95.	1.7	39
34	An intelligent neural system for predicting structural response subject to earthquakes. <i>Advances in Engineering Software</i> , 2009, 40, 630-639.	1.8	27
35	Optimal design of structures subjected to time history loading by swarm intelligence and an advanced metamodel. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 2936-2949.	3.4	71
36	Optimum shape design of arch dams for earthquake loading using a fuzzy inference system and wavelet neural networks. <i>Engineering Optimization</i> , 2009, 41, 473-493.	1.5	40

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Optimum design of structures by an improved genetic algorithm using neural networks. Advances in Engineering Software, 2005, 36, 757-767.	1.8	86
41	Optimum Design of Structures for Earthquake Loading by a Cellular Evolutionary Algorithm and Neural Networks. , 0, , 306-322.		1