Mahdi Azizi

List of Publications by Year
in descending order

31 papers	1,176 citations	516561 16 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	362 citing authors

#	Article	IF	Citations
1	Fire Hawk Optimizer: a novel metaheuristic algorithm. Artificial Intelligence Review, 2023, 56, 287-363.	9.7	85
2	Improved arithmetic optimization algorithm for design optimization of fuzzy controllers in steel building structures with nonlinear behavior considering near fault ground motion effects. Artificial Intelligence Review, 2022, 55, 4041-4075.	9.7	10
3	Shape and size optimization of truss structures by Chaos game optimization considering frequency constraints. Journal of Advanced Research, 2022, 41, 89-100.	4.4	27
4	Crystal structure optimization approach to problem solving in mechanical engineering design. Multidiscipline Modeling in Materials and Structures, 2022, 18, 1-23.	0.6	13
5	Optimization of Large-Scale Frame Structures Using Fuzzy Adaptive Quantum Inspired Charged System Search. International Journal of Steel Structures, 2022, 22, 686-707.	0.6	13
6	Optimum design of truss structures by Material Generation Algorithm with discrete variables. Decision Analytics Journal, 2022, 3, 100043.	2.7	10
7	Design optimization of fuzzy controllers in building structures using the crystal structure algorithm (CryStAl). Advanced Engineering Informatics, 2022, 52, 101616.	4.0	12
8	Optimal design of low- and high-rise building structures by Tribe-Harmony Search algorithm. Decision Analytics Journal, 2022, 3, 100067.	2.7	9
9	Multiobjective Atomic Orbital Search (MOAOS) for Global and Engineering Design Optimization. IEEE Access, 2022, 10, 67727-67746.	2.6	16
10	Optimum structural design of full-scale steel buildings using drift-tribe-charged system search. Earthquake Engineering and Engineering Vibration, 2022, 21, 825-842.	1.1	3
11	Chaos Game Optimization: a novel metaheuristic algorithm. Artificial Intelligence Review, 2021, 54, 917-1004.	9.7	154
12	Tribe-charged system search for global optimization. Applied Mathematical Modelling, 2021, 93, 115-133.	2.2	20
13	Tribe–charged system search for parameter configuration of nonlinear systems with large search domains. Engineering Optimization, 2021, 53, 18-31.	1.5	28
14	Optimization of Engineering Design Problems Using Atomic Orbital Search Algorithm. IEEE Access, 2021, 9, 102497-102519.	2.6	32
15	Designing Fuzzy Controllers for Frame Structures Based on Ground Motion Prediction Using Grasshopper Optimization Algorithm: A Case Study of Tabriz, Iran. Springer Tracts in Nature-inspired Computing, 2021, , 153-180.	1.2	4
16	Multi-Objective Crystal Structure Algorithm (MOCrySt\Al): Introduction and Performance Evaluation. IEEE Access, 2021, 9, 117795-117812.	2.6	46
17	Material Generation Algorithm: A Novel Metaheuristic Algorithm for Optimization of Engineering Problems. Processes, 2021, 9, 859.	1.3	67
18	Atomic orbital search: A novel metaheuristic algorithm. Applied Mathematical Modelling, 2021, 93, 657-683.	2.2	150

#	Article	IF	Citations
19	Fuzzy Adaptive Charged System Search for global optimization. Applied Soft Computing Journal, 2021, 109, 107518.	4.1	16
20	Optimum design of steel building structures using migration-based vibrating particles system. Structures, 2021, 33, 1394-1413.	1.7	16
21	Experimental and analytical investigations of a novel energy dissipation device for seismic protection of engineering structures. Structures, 2021, 34, 1201-1211.	1.7	4
22	An Extensive Review of Charged System Search Algorithm for Engineering Optimization Applications. Springer Tracts in Nature-inspired Computing, 2021, , 309-334.	1.2	7
23	Crystal Structure Algorithm (CryStAl): A Metaheuristic Optimization Method. IEEE Access, 2021, 9, 71244-71261.	2.6	103
24	Optimal Parameter Identification of Fuzzy Controllers in Nonlinear Buildings Based on Seismic Hazard Analysis Using Tribe-Charged System Search. Studies in Systems, Decision and Control, 2021, , 99-132.	0.8	4
25	Active Vibration Control of Seismically Excited Building Structures by Upgraded Grey Wolf Optimizer. IEEE Access, 2021, 9, 166658-166673.	2.6	7
26	Optimum design of fuzzy controller using hybrid ant lion optimizer and Jaya algorithm. Artificial Intelligence Review, 2020, 53, 1553-1584.	9.7	59
27	Optimum design of building structures using Tribe-Interior Search Algorithm. Structures, 2020, 28, 1616-1633.	1.7	27
28	Optimal design of real-size building structures using quantum-behaved developed swarm optimizer. Structural Design of Tall and Special Buildings, 2020, 29, e1747.	0.9	35
29	Optimization of constrained mathematical and engineering design problems using chaos game optimization. Computers and Industrial Engineering, 2020, 145, 106560.	3.4	91
30	Optimal tuning of fuzzy parameters for structural motion control using multiverse optimizer. Structural Design of Tall and Special Buildings, 2019, 28, e1652.	0.9	28
31	Upgraded Whale Optimization Algorithm for fuzzy logic based vibration control of nonlinear steel structure. Engineering Structures, 2019, 192, 53-70.	2.6	78