

Shahin Jalili

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

328
citations

759233

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839539

18
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all docs

25
docs citations

25
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	League Championship Algorithms for Optimum Design of Pin-Jointed Structures. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	4.7	32
2	A Cultural Algorithm for Optimal Design of Truss Structures. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1721-1747.	1.0	30
3	Enhanced Biogeography-based Optimization: A New Method for Size and Shape Optimization of Truss Structures with Natural Frequency Constraints. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 1406-1430.	1.0	28
4	Hybridizing electromagnetism-like mechanism algorithm with migration strategy for layout and size optimization of truss structures with frequency constraints. <i>Neural Computing and Applications</i> , 2016, 27, 953-971.	5.6	28
5	Design optimization of truss structures with continuous and discrete variables by hybrid of biogeography-based optimization and differential evolution methods. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1495.	1.9	23
6	Chaotic biogeography algorithm for size and shape optimization of truss structures with frequency constraints. <i>Periodica Polytechnica: Civil Engineering</i> , 2014, 58, 397-422.	0.6	20
7	Optimum discrete design of steel tower structures using optics inspired optimization method. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1466.	1.9	20
8	A comprehensive survey on cultural algorithms. <i>Swarm and Evolutionary Computation</i> , 2021, 62, 100846.	8.1	19
9	A biogeography-based optimization for optimum discrete design of skeletal structures. <i>Engineering Optimization</i> , 2016, 48, 1491-1514.	2.6	18
10	Optimum Design of Truss Structures Under Frequency Constraints using Hybrid CSS-MBLS Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1840-1853.	1.9	16
11	Optimum design of steel building structures using migration-based vibrating particles system. <i>Structures</i> , 2021, 33, 1394-1413.	3.6	16
12	An optics inspired optimization method for optimal design of truss structures. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1598.	1.9	15
13	Combining Migration and Differential Evolution Strategies for Optimum Design of Truss Structures with Dynamic Constraints. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 289-312.	1.9	11
14	Application of metaheuristics for signal optimisation in transportation networks: A comprehensive survey. <i>Swarm and Evolutionary Computation</i> , 2021, 63, 100865.	8.1	10
15	Investigating the effects of flax fibers application on multi-objective optimization of laminated composite plates for simultaneous cost minimization and frequency gap maximization. <i>Journal of Building Engineering</i> , 2020, 32, 101477.	3.4	7
16	On the performance of flax fibres in multi-objective design of laminated composite plates for buckling and cost. <i>Structures</i> , 2021, 33, 3094-3106.	3.6	7
17	Simultaneous Size and Shape Optimization of Dome-Shaped Structures Using Improved Cultural Algorithm. <i>Studies in Computational Intelligence</i> , 2019, , 93-120.	0.9	6
18	A new structural reanalysis approach based on the polynomial-type extrapolation methods. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 1033-1049.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Premier League Championship Algorithm: A Multi-population-Based Algorithm and Its Application on Structural Design Optimization. <i>Studies in Computational Intelligence</i> , 2019, , 215-240.	0.9	4
20	Performance assessment of meta-heuristics for composite layup optimisation. <i>Neural Computing and Applications</i> , 2022, 34, 2031-2054.	5.6	3
21	Decommissioning cost modelling for offshore wind farms: A bottom-up approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101628.	2.7	3
22	Optimisation of Signal Timings in a Road Network. <i>Springer Proceedings in Complexity</i> , 2020, , 257-268.	0.3	3
23	Design of Pin Jointed Structures under Stress and Deflection Constraints Using Hybrid Electromagnetism-like Mechanism and Migration Strategy Algorithm. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	2
24	A Decision Support System for Decommissioning of Offshore Windfarms: The Data Platform. , 2021, , .		2
25	Structural sensitivity reanalysis formulations based on the polynomial-type extrapolation methods. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 1027-1050.	3.5	0