Benchmark case studies in structural design optimizati

Citation Report

#	ARTICLE	IF	CITATIONS
1	Structural variation theorems extended to integrated force method for the analysis of skeletal structures. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1050-1063.	2.1	0
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.	3.9	88
3	Sizing optimization of truss structures by method of centers and force formulation. International Journal of Solids and Structures, 2010, 47, 2508-2524.	2.7	53
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6	Truss optimization with dynamic constraints using a particle swarm algorithm. Expert Systems With Applications, 2011, 38, 957-968.	7.6	246
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9	New Approximation Method for Structural Optimization. Journal of Computing in Civil Engineering, 2012, 26, 236-247.	4.7	8
10	Truss optimization with natural frequency constraints using a hybridized CSS-BBBC algorithm with trap recognition capability. Computers and Structures, 2012, 102-103, 14-27.	4.4	147
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15	Integrated size and topology optimization of skeletal structures with exact frequency constraints. Structural and Multidisciplinary Optimization, 2014, 50, 113-128.	3.5	22
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17	Comparison of nine meta-heuristic algorithms for optimal design of truss structures with frequency constraints. Advances in Engineering Software, 2014, 76, 9-30.	3.8	52
18	Truss optimization on shape and sizing with frequency constraints based on orthogonal multi-gravitational search algorithm. Journal of Sound and Vibration, 2014, 333, 6349-6369.	3.9	83

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19	Shape and size optimization of trusses with multiple frequency constraints using harmony search and ray optimizer for enhancing the particle swarm optimization algorithm. Acta Mechanica, 2014, 225, 1595-1605.	2.1	65
20	Weight optimization of truss structures by a new feasible boundary search technique hybridized with firefly algorithm. KSCE Journal of Civil Engineering, 2014, 18, 1105-1118.	1.9	10
21	Swift Analysis for Size and Geometry Optimization of Structures. Advances in Structural Engineering, 2015, 18, 365-380.	2.4	8
22	Colliding-Bodies Optimization for Truss Optimization with Multiple Frequency Constraints. Journal of Computing in Civil Engineering, 2015, 29, .	4.7	23
23	BIM-Enabled Structural Design: Impacts and Future Developments in Structural Modelling, Analysis and Optimisation Processes. Archives of Computational Methods in Engineering, 2015, 22, 135-151.	10.2	50
24	Enhanced Versions of the CBO Algorithm. , 2015, , 107-160.		0
25	Optimal Design of Truss Structures with Continuous Variables Using Colliding Bodies Optimization. , 2015, , 39-86.		0
26	A hybrid CBOâ€"PSO algorithm for optimal design of truss structures with dynamic constraints. Applied Soft Computing Journal, 2015, 34, 260-273.	7.2	55
27	An improved CSS for damage detection of truss structures using changes in natural frequencies and mode shapes. Advances in Engineering Software, 2015, 80, 93-100.	3.8	104
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29	Optimal design of truss structures with frequency constraints using improved differential evolution algorithm based on an adaptive mutation scheme. Automation in Construction, 2016, 68, 81-94.	9.8	62
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36	Vibrating Particles System Algorithm for Truss Optimization with Frequency Constraints. , 2017, , 297-317.		0

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37	A modified symbiotic organisms search (mSOS) algorithm for optimization of pin-jointed structures. Applied Soft Computing Journal, 2017, 61, 683-699.	7.2	57
38	Vibrating particles system algorithm for truss optimization with multiple natural frequency constraints. Acta Mechanica, 2017, 228, 307-322.	2.1	99
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41	Optimal Design of Dome-Shaped Trusses. , 2018, , 101-122.		1
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48	Evaluation of brake parameters in copper discs of various thicknesses and speeds using Neodymium â€" Iron â€" Boron Magnets. MATEC Web of Conferences, 2018, 144, 01003.	0.2	1
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57	Material optimization of tri-directional functionally graded plates by using deep neural network and isogeometric multimesh design approach. Applied Mathematical Modelling, 2020, 87, 501-533.	4.2	50
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