Sujin Bureerat

List of Publications by Year
in descending order

117 papers	3,395 citations	109137 35 h-index	174990 52 g-index
117 all docs	117 docs citations	117 times ranked	1666 citing authors

#	Article	IF	Citations
1	Multiobjective meta-heuristic with iterative parameter distribution estimation for aeroelastic design of an aircraft wing. Engineering With Computers, 2022, 38, 695-713.	3.5	14
2	A novel chaotic Henry gas solubility optimization algorithm forÂsolvingÂreal-world engineering problems. Engineering With Computers, 2022, 38, 871-883.	3.5	57
3	Comparative Performance of Twelve Metaheuristics for Wind Farm Layout Optimisation. Archives of Computational Methods in Engineering, 2022, 29, 717-730.	6.0	42
4	Enhanced grasshopper optimization algorithm using elite opposition-based learning for solving real-world engineering problems. Engineering With Computers, 2022, 38, 4207-4219.	3.5	94
5	Multi-Objective Teaching-Learning-Based Optimization for Structure Optimization. Smart Science, 2022, 10, 56-67.	1.9	25
6	Hybridised differential evolution and equilibrium optimiser with learning parameters for mechanical and aircraft wing design. Knowledge-Based Systems, 2022, 239, 107955.	4.0	7
7	A new chaotic LÃ©vy flight distribution optimization algorithm for solving constrained engineering problems. Expert Systems, 2022, 39, .	2.9	53
8	Performance enhancement of meta-heuristics through random mutation and simulated annealing-based selection for concurrent topology and sizing optimization of truss structures. Soft Computing, 2022, 26, 5661-5683.	2.1	23
9	Multi-objective modified heat transfer search for truss optimization. Engineering With Computers, 2021, 37, 3439-3454.	3.5	43
10	Constraint handling technique for four-bar linkage path generation using self-adaptive teachingâ€“learning-based optimization with a diversity archive. Engineering Optimization, 2021, 53, 513-530.	1.5	26
11	A simple numerical scheme for generation of weighting factors for multiobjective optimisation. Soft Computing, 2021, 25, 1631-1646.	2.1	0
12	Hybrid Heat Transfer Search and Passing Vehicle Search optimizer for multi-objective structural optimization. Knowledge-Based Systems, 2021, 212, 106556.	4.0	43
13	A Comparative Study of Recent Multi-objective Metaheuristics for Solving Constrained Truss Optimisation Problems. Archives of Computational Methods in Engineering, 2021, 28, 4031-4047.	6.0	61
14	Optimization of a High-Lift Mechanism Motion Generation Synthesis Using MHS. Lecture Notes in Computer Science, 2021, , 38-45.	1.0	1
15	Robust design of a robot gripper mechanism using new hybrid grasshopper optimization algorithm. Expert Systems, 2021, 38, e12666.	2.9	83
16	Hybrid spotted hyenaâ€“Nelder-Mead optimization algorithm for selection of optimal machining parameters in grinding operations. Materialpruefung/Materials Testing, 2021, 63, 293-298.	0.8	1
17	Conceptual comparison of the ecogeography-based algorithm, equilibrium algorithm, marine predators algorithm and slime mold algorithm for optimal product design. Materialpruefung/Materials Testing, 2021, 63, 336-340.	0.8	80
18	Comparision of the political optimization algorithm, the Archimedes optimization algorithm and the Levy flight algorithm for design optimization in industry. Materialpruefung/Materials Testing, 2021, 63, 356-359.	0.8	85

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19	Multiobjecitve structural optimization using improved heat transfer search. Knowledge-Based Systems, 2021, 219, 106811.	4.0	26
20	Comparison of the arithmetic optimization algorithm, the slime mold optimization algorithm, the marine predators algorithm, the salp swarm algorithm for real-world engineering applications. Materialpruefung/Materials Testing, 2021, 63, 448-452.	0.8	37
21	Multi-additional Sampling Multi-objective Efficient Global Optimization applied to UAVs Airfoil Design Problem. , 2021, , .		1
22	A novel hybrid marine predators-Nelder-Mead optimization algorithm for the optimal design of engineering problems. Materialpruefung/Materials Testing, 2021, 63, 453-457.	0.8	11
23	Multi-Objective Passing Vehicle Search algorithm for structure optimization. Expert Systems With Applications, 2021, 169, 114511.	4.4	41
24	A novel hybrid water wave optimization algorithm for solving complex constrained engineering problems. Materialpruefung/Materials Testing, 2021, 63, 560-564.	0.8	4
25	Hybrid Taguchi-LÃ©vy flight distribution optimization algorithm for solving real-world design optimization problems. Materialpruefung/Materials Testing, 2021, 63, 547-551.	0.8	13
26	Reliability-Based Design of an Aircraft Wing Using a Fuzzy-Based Metaheuristic. Applied Sciences (Switzerland), 2021, 11, 6463.	1.3	8
27	Ground Structures-Based Topology Optimization of a Morphing Wing Using a Metaheuristic Algorithm. Metals, 2021, 11, 1311.	1.0	14
28	Experiment and computation multi-fidelity multi-objective airfoil design optimization of fixed-wing UAV. Journal of Mechanical Science and Technology, 2021, 35, 4065-4072.	0.7	18
29	Adaptive boundary sine cosine optimizer with population reduction for robustness analysis of finite time horizon systems. Applied Soft Computing Journal, 2021, 113, 107900.	4.1	2
30	A review on strengthening, delamination formation and suppression techniques during drilling of CFRP composites. Cogent Engineering, 2021, 8, .	1.1	6
31	Aircraft Control Parameter Estimation Using Self-Adaptive Teaching-Learning-Based Optimization with an Acceptance Probability. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	0
32	A novel hybridized metaheuristic technique in enhancing the diagnosis of crossâ€sectional dent damaged offshore platform members. Computational Intelligence, 2020, 36, 132-150.	2.1	3
33	The Effect of Multi-Additional Sampling for Multi-Fidelity Efficient Global Optimization. Symmetry, 2020, 12, 1499.	1.1	4
34	Finite Element Analysis of Grain Size Effects on Curvature in Micro-Extrusion. Applied Sciences (Switzerland), 2020, 10, 4767.	1.3	6
35	Multi-objective reliability-based topology optimization of structures using a fuzzy set model. Journal of Mechanical Science and Technology, 2020, 34, 3973-3980.	0.7	11
36	Multi-Objective, Reliability-Based Design Optimization of a Steering Linkage. Applied Sciences (Switzerland), 2020, 10, 5748.	1.3	12

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37	Improved metaheuristics through migration-based search and an acceptance probability for truss optimization. Asian Journal of Civil Engineering, 2020, 21, 1217-1237.	0.8	24
38	An Approach Combining an Efficient and Global Evolutionary Algorithm with a Gradient-Based Method for Airfoil Design Problems. Smart Science, 2020, 8, 14-23.	1.9	8
39	Self-adaptive many-objective meta-heuristic based on decomposition for many-objective conceptual design of a fixed wing unmanned aerial vehicle. Aerospace Science and Technology, 2020, 100, 105783.	2.5	79
40	Effects of Tool Coatings on Energy Consumption in Micro-Extrusion of Aluminum Alloy 6063. Coatings, 2020, 10, 381.	1.2	1
41	Optimum design of an air suspension seat using recent structural optimization techniques. Materialpruefung/Materials Testing, 2020, 62, 242-250.	0.8	8
42	A novel hybrid Harris hawks-simulated annealing algorithm and RBF-based metamodel for design optimization of highway guardrails. Materialpruefung/Materials Testing, 2020, 62, 251-260.	0.8	107
43	The Henry gas solubility optimization algorithm for optimum structural design of automobile brake components. Materialpruefung/Materials Testing, 2020, 62, 261-264.	0.8	72
44	Butterfly optimization algorithm for optimum shape design of automobile suspension components. Materialpruefung/Materials Testing, 2020, 62, 365-370.	0.8	69
45	Seagull optimization algorithm for solving real-world design optimization problems. Materialpruefung/Materials Testing, 2020, 62, 640-644.	0.8	88
46	Simultaneous topology, shape, and size optimization of trusses, taking account of uncertainties using multi-objective evolutionary algorithms. Engineering With Computers, 2019, 35, 721-740.	3.5	30
47	Topology optimization of truss subjected to static and dynamic constraints by integrating simulated annealing into passing vehicle search algorithms. Engineering With Computers, 2019, 35, 499-517.	3.5	43
48	Multi-objective Optimization of a Steering Linkage Using Alternative Objective Functions. Lecture Notes in Computer Science, 2019, , 47-58.	1.0	4
49	Self-adaptive MRPBIL-DE for 6D robot multiobjective trajectory planning. Expert Systems With Applications, 2019, 136, 133-144.	4.4	18
50	Comparison of response surface methodology and hybrid-training approach of artificial neural network in modelling the properties of concrete containing steel fibre extracted from waste tyres. Cogent Engineering, 2019, 6, .	1.1	22
51	Structural optimization using multi-objective modified adaptive symbiotic organisms search. Expert Systems With Applications, 2019, 125, 425-441.	4.4	95
52	A novel self-adaptive hybrid multi-objective meta-heuristic for reliability design of trusses with simultaneous topology, shape and sizing optimisation design variables. Structural and Multidisciplinary Optimization, 2019, 60, 1937-1955.	1.7	33
53	Comparison of recent algorithms for many-objective optimisation of an automotive floor-frame. International Journal of Vehicle Design, 2019, 80, 176.	0.1	19
54	Automated design of aircraft fuselage stiffeners using multiobjective evolutionary optimisation. International Journal of Vehicle Design, 2019, 80, 162.	0.1	28

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55	Multi-surrogate-assisted metaheuristics for crashworthiness optimisation. International Journal of Vehicle Design, 2019, 80, 223.	0.1	80
56	High-Lift Mechanism Motion Generation Synthesis Using a Metaheuristic. Proceedings (mdpi), 2019, 39, 5.	0.2	2
57	A new hybrid Harris hawks-Nelder-Mead optimization algorithm for solving design and manufacturing problems. Materialpruefung/Materials Testing, 2019, 61, 735-743.	0.8	98
58	Inverse problem based differential evolution for efficient structural health monitoring of trusses. Applied Soft Computing Journal, 2018, 66, 462-472.	4.1	44
59	Truss topology, shape and sizing optimization by fully stressed design based on hybrid grey wolf optimization and adaptive differential evolution. Engineering Optimization, 2018, 50, 1645-1661.	1.5	55
60	ADOSH: software with graphic user interface for analysis and design of truss structures. Asian Journal of Civil Engineering, 2018, 19, 273-286.	0.8	0
61	Topology and Size Optimization of Trusses with Static and Dynamic Bounds by Modified Symbiotic Organisms Search. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	44
62	A Comparative Study of Eighteen Self-adaptive Metaheuristic Algorithms for Truss Sizing Optimisation. KSCE Journal of Civil Engineering, 2018, 22, 2982-2993.	0.9	15
63	Solving Inverse Kinematics of Robot Manipulators by Means of Meta-Heuristic Optimisation. IOP Conference Series: Materials Science and Engineering, 2018, 370, 012056.	0.3	6
64	Design and Development of a Threading Machine for Tobacco Leaves. , 2018, , .		0
65	Multiobjective Trajectory Planning of a 6D Robot based on Multiobjective Meta Heuristic Search. , 2018, , .		0
66	Trajectory Planning of a 6D Robot based on Meta Heuristic Algorithms. MATEC Web of Conferences, 2018, 220, 06004.	0.1	5
67	Optimal Synthesis of Four-Bar Linkage Path Generation through Evolutionary Computation with a Novel Constraint Handling Technique. Computational Intelligence and Neuroscience, 2018, 2018, 1-16.	1.1	19
68	Multiobjective Simultaneous Topology, Shape and Sizing Optimization of Trusses Using Evolutionary Optimizers. IOP Conference Series: Materials Science and Engineering, 2018, 370, 012029.	0.3	4
69	Topology Optimisation Using MPBILs and Multi-Grid Ground Element. Applied Sciences (Switzerland), 2018, 8, 271.	1.3	13
70	Vibration Suppression of a Single-Cylinder Engine by Means of Multi-objective Evolutionary Optimisation. Sustainability, 2018, 10, 2067.	1.6	4
71	Multiobjective adaptive symbiotic organisms search for truss optimization problems. Knowledge-Based Systems, 2018, 161, 398-414.	4.0	82
72	Optimization of Steering Linkage Including the Effect of McPherson Strut Front Suspension. Lecture Notes in Computer Science, 2018, , 612-623.	1.0	6

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73	Synthesis of multiple cross-section pin fin heat sinks using multiobjective evolutionary algorithms. International Journal of Heat and Mass Transfer, 2018, 118, 462-470.	2.5	18
74	Optimal U-shaped baffle square-duct heat exchanger through surrogate-assisted self-adaptive differential evolution with neighbourhood search and weighted exploitation-exploration. Applied Thermal Engineering, 2017, 118, 455-463.	3.0	21
75	Hybrid real-code population-based incremental learning and differential evolution for many-objective optimisation of an automotive floor-frame. International Journal of Vehicle Design, 2017, 73, 20.	0.1	96
76	Optimal reactive power dispatch problem using a two-archive multi-objective grey wolf optimizer. Expert Systems With Applications, 2017, 87, 79-89.	4.4	92
77	Four-bar linkage path generation through self-adaptive population size teaching-learning based optimization. Knowledge-Based Systems, 2017, 135, 180-191.	4.0	48
78	Adaptive Sine Cosine Algorithm Integrated with Differential Evolution for Structural Damage Detection. Lecture Notes in Computer Science, 2017, , 71-86.	1.0	19
79	Two-stage surrogate assisted differential evolution for optimization of a non-circular drawing sequence. International Journal of Precision Engineering and Manufacturing, 2017, 18, 567-573.	1.1	6
80	Estimation of Distribution Algorithm Using Correlation between Binary Elements: A New Binary-Code Metaheuristic. Mathematical Problems in Engineering, 2017, 2017, 1-15.	0.6	0
81	Many-Objective Optimisation of Trusses Through Meta-Heuristics. Lecture Notes in Computer Science, 2017, , 143-152.	1.0	4
82	Hybrid real-code population-based incremental learning and differential evolution for many-objective optimisation of an automotive floor-frame. International Journal of Vehicle Design, 2017, 73, 20.	0.1	27
83	Hybrid real-code ant colony optimisation for constrained mechanical design. International Journal of Systems Science, 2016, 47, 474-491.	3.7	12
84	Optimal Truss Sizing Using an Adaptive Differential Evolution Algorithm. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	56
85	An Improved Teaching-Learning Based Optimization for Optimization of Flatness of a Strip During a Coiling Process. Lecture Notes in Computer Science, 2016, , 12-23.	1.0	2
86	Structural health monitoring through meta-heuristics - comparative performance study. Advances in Computational Design, 2016, 1, 315-327.	0.3	6
87	An efficient optimum Latin hypercube sampling technique based on sequencing optimisation using simulated annealing. International Journal of Systems Science, 2015, 46, 1780-1789.	3.7	50
88	Optimization of flatness of strip during coiling process based on evolutionary algorithms. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1493-1499.	1.1	9
89	Process optimization of a non-circular drawing sequence based on multi-surrogate assisted meta-heuristic algorithms. Journal of Mechanical Science and Technology, 2015, 29, 3427-3436.	0.7	8
90	Efficient hybrid evolutionary algorithm for optimization of a strip coiling process. Engineering Optimization, 2015, 47, 521-532.	1.5	12

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91	Hybrid real-code population-based incremental learning and approximate gradients for multi-objective truss design. Engineering Optimization, 2014, 46, 1032-1051.	1.5	13
92	Solving Partial Differential Equations Using a New Differential Evolution Algorithm. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	13
93	Comparative performance of meta-heuristic algorithms for mass minimisation of trusses with dynamic constraints. Advances in Engineering Software, 2014, 75, 1-13.	1.8	84
94	Aircraft morphing wing design by using partial topology optimization. Structural and Multidisciplinary Optimization, 2013, 48, 1109-1128.	1.7	27
95	Simultaneous topology and sizing optimization of a water distribution network using a hybrid multiobjective evolutionary algorithm. Applied Soft Computing Journal, 2013, 13, 3693-3702.	4.1	29
96	Hybridisation of real-code population-based incremental learning and differential evolution for multiobjective design of trusses. Information Sciences, 2013, 223, 136-152.	4.0	51
97	Antioptimisation of Trusses Using Two-Level Population-Based Incremental Learning. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.4	1
98	Surrogate-Assisted Multiobjective Evolutionary Algorithms for Structural Shape and Sizing Optimisation. Mathematical Problems in Engineering, 2013, 2013, 1-13.	0.6	8
99	Simultaneous Topology, Shape, and Sizing Optimisation of Plane Trusses with Adaptive Ground Finite Elements Using MOEAs. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	16
100	New conceptual design of aeroelastic wing structures by multi-objective optimization. Engineering Optimization, 2013, 45, 107-122.	1.5	24
101	Aerodynamic Reduced-Order Modeling without Static Correction Requirement Based on Body Vortices. Journal of Engineering (United States), 2013, 2013, 1-6.	0.5	2
102	Comparative Performance of Surrogate-Assisted MOEAs for Geometrical Design of Pin-Fin Heat Sinks. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.4	5
103	Performance enhancement of multiobjective evolutionary optimisers for truss design using an approximate gradient. Computers and Structures, 2012, 106-107, 115-124.	2.4	26
104	Multi-objective topology optimization using evolutionary algorithms. Engineering Optimization, 2011, 43, 541-557.	1.5	78
105	Simultaneous topology, shape and sizing optimisation of a three-dimensional slender truss tower using multiobjective evolutionary algorithms. Computers and Structures, 2011, 89, 2531-2538.	2.4	66
106	Multiobjective Evolutionary Optimization of Splayed Pin-Fin Heat Sink. Engineering Applications of Computational Fluid Mechanics, 2011, 5, 553-565.	1.5	11
107	Surrogate-Assisted Evolutionary Optimizers for Multiobjective Design of a Torque Arm Structure. Applied Mechanics and Materials, 2011, 101-102, 324-328.	0.2	3
108	Improved Population-Based Incremental Learning in Continuous Spaces. Advances in Intelligent and Soft Computing, 2011, , 77-86.	0.2	17

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109	Hybrid Population-Based Incremental Learning Using Real Codes. Lecture Notes in Computer Science, 2011, , 379-391.	1.0	16
110	Optimum plate-fin heat sinks by using a multi-objective evolutionary algorithm. Engineering Optimization, 2010, 42, 305-323.	1.5	29
111	Structural topology optimisation using simulated annealing with multiresolution design variables. Finite Elements in Analysis and Design, 2008, 44, 738-747.	1.7	45
112	Geometrical Design of Plate-Fin Heat Sinks Using Hybridization of MOEA and RSM. IEEE Transactions on Components and Packaging Technologies, 2008, 31, 351-360.	1.4	36
113	Passive vibration suppression of a walking tractor handlebar structure using multiobjective PBIL. , 2007, , .		5
114	Population-Based Incremental Learning for Multiobjective Optimisation. , 2007, , 223-232.		42
115	Performance enhancement of evolutionary search for structural topology optimisation. Finite Elements in Analysis and Design, 2006, 42, 547-566.	1.7	41
116	An Artificial Neural Network for Detection of Simulated Dental Caries. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 91-96.	1.7	33
117	Simultaneous Topology, Shape and Sizing Optimisation of Skeletal Structures Using Multiobjective Evolutionary Algorithms. , 0, , .		8