

Tapabrata Ray

List of Publications by Year in descending order

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225
papers

5,951
citations

109137

35
h-index

95083

68
g-index

229
all docs

229
docs citations

229
times ranked

3949
citing authors

#	ARTICLE	IF	CITATIONS
1	Society and civilization: an optimization algorithm based on the simulation of social behavior. IEEE Transactions on Evolutionary Computation, 2003, 7, 386-396.	7.5	465
2	A Decomposition-Based Evolutionary Algorithm for Many Objective Optimization. IEEE Transactions on Evolutionary Computation, 2015, 19, 445-460.	7.5	420
3	A Swarm Metaphor for Multiobjective Design Optimization. Engineering Optimization, 2002, 34, 141-153.	1.5	286
4	ENGINEERING DESIGN OPTIMIZATION USING A SWARM WITH AN INTELLIGENT INFORMATION SHARING AMONG INDIVIDUALS. Engineering Optimization, 2001, 33, 735-748.	1.5	276
5	A Pareto Corner Search Evolutionary Algorithm and Dimensionality Reduction in Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2011, 15, 539-556.	7.5	268
6	MULTIOBJECTIVE DESIGN OPTIMIZATION BY AN EVOLUTIONARY ALGORITHM. Engineering Optimization, 2001, 33, 399-424.	1.5	236
7	Differential Evolution With Dynamic Parameters Selection for Optimization Problems. IEEE Transactions on Evolutionary Computation, 2014, 18, 689-707.	7.5	227
8	A socio-behavioural simulation model for engineering design optimization. Engineering Optimization, 2002, 34, 341-354.	1.5	151
9	Evolutionary Algorithms for Dynamic Economic Dispatch Problems. IEEE Transactions on Power Systems, 2016, 31, 1486-1495.	4.6	136
10	Infeasibility Driven Evolutionary Algorithm for Constrained Optimization. Studies in Computational Intelligence, 2009, , 145-165.	0.7	115
11	An improved evolutionary algorithm for solving multi-objective crop planning models. Computers and Electronics in Agriculture, 2009, 68, 191-199.	3.7	100
12	A Multiple Surrogate Assisted Decomposition-Based Evolutionary Algorithm for Expensive Multi/Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 1000-1014.	7.5	97
13	Vibration-based inverse algorithms for detection of delamination in composites. Composite Structures, 2013, 102, 226-236.	3.1	89
14	A cooperative coevolutionary algorithm with Correlation based Adaptive Variable Partitioning. , 2009, , ,		86
15	Design Synthesis of Path Generating Compliant Mechanisms by Evolutionary Optimization of Topology and Shape. Journal of Mechanical Design, Transactions of the ASME, 2002, 124, 492-500.	1.7	74
16	On the use of genetic programming to evolve priority rules for resource constrained project scheduling problems. Information Sciences, 2018, 432, 146-163.	4.0	68
17	A surrogate assisted parallel multiobjective evolutionary algorithm for robust engineering design. Engineering Optimization, 2006, 38, 997-1011.	1.5	61
18	Consolidated optimization algorithm for resource-constrained project scheduling problems. Information Sciences, 2017, 418-419, 346-362.	4.0	61

#	ARTICLE	IF	CITATIONS
19	An Enhanced Decomposition-Based Evolutionary Algorithm With Adaptive Reference Vectors. IEEE Transactions on Cybernetics, 2018, 48, 2321-2334.	6.2	59
20	Design and construction of an autonomous underwater vehicle. Neurocomputing, 2014, 142, 16-29.	3.5	57
21	Six-Sigma Robust Design Optimization Using a Many-Objective Decomposition-Based Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2015, 19, 490-507.	7.5	56
22	C-PSA: Constrained Pareto simulated annealing for constrained multi-objective optimization. Information Sciences, 2010, 180, 2499-2513.	4.0	54
23	An adaptive constraint handling approach embedded MOEA/D. , 2012, , .		54
24	Configuring two-algorithm-based evolutionary approach for solving dynamic economic dispatch problems. Engineering Applications of Artificial Intelligence, 2016, 53, 105-125.	4.3	53
25	Bridging the Gap: Many-Objective Optimization and Informed Decision-Making. IEEE Transactions on Evolutionary Computation, 2017, 21, 813-820.	7.5	52
26	A Surrogate Assisted Approach for Single-Objective Bilevel Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 681-696.	7.5	51
27	Distance-Based Subset Selection for Benchmarking in Evolutionary Multi/Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 904-912.	7.5	51
28	Genetic algorithm for solving a gas lift optimization problem. Journal of Petroleum Science and Engineering, 2007, 59, 84-96.	2.1	50
29	Optimum Design of Yagi-Uda Antennas Using Computational Intelligence. IEEE Transactions on Antennas and Propagation, 2004, 52, 1811-1818.	3.1	49
30	A framework for design optimization using surrogates. Engineering Optimization, 2005, 37, 685-703.	1.5	45
31	Performance of infeasibility driven evolutionary algorithm (IDEA) on constrained dynamic single objective optimization problems. , 2009, , .		45
32	Swarm Algorithm for Single- and Multiobjective Airfoil Design Optimization. AIAA Journal, 2004, 42, 366-373.	1.5	44
33	An Enhanced Memetic Algorithm for Single-Objective Bilevel Optimization Problems. Evolutionary Computation, 2017, 25, 607-642.	2.3	41
34	Adaptive Sorting-Based Evolutionary Algorithm for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 247-257.	7.5	41
35	An adaptive hybrid differential evolution algorithm for single objective optimization. Applied Mathematics and Computation, 2014, 231, 601-618.	1.4	40
36	Delamination detection with error and noise polluted natural frequencies using computational intelligence concepts. Composites Part B: Engineering, 2014, 56, 906-925.	5.9	39

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37	A brief taxonomy of autonomous underwater vehicle design literature. Ocean Engineering, 2014, 88, 627-630.	1.9	37
38	Analytical Hierarchy Process Using Fuzzy Inference Technique for Real-Time Route Guidance System. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 84-93.	4.7	37
39	A global optimization model for ship design. Computers in Industry, 1995, 26, 175-192.	5.7	36
40	Evolutionary Algorithms for Finding Nash Equilibria in Electricity Markets. IEEE Transactions on Evolutionary Computation, 2018, 22, 536-549.	7.5	36
41	Model-based adaptive control system for autonomous underwater vehicles. Ocean Engineering, 2016, 127, 58-69.	1.9	35
42	Constrained robust optimal design using a multiobjective evolutionary algorithm. , 0, , .		34
43	Evolutionary Algorithm Shape Optimization of a Hypersonic Flight Experiment Nose Cone. Journal of Spacecraft and Rockets, 2008, 45, 428-437.	1.3	34
44	Co-evolutionary approach for strategic bidding in competitive electricity markets. Applied Soft Computing Journal, 2017, 51, 1-22.	4.1	34
45	Infeasibility Driven Evolutionary Algorithm (IDEA) for Engineering Design Optimization. Lecture Notes in Computer Science, 2008, , 104-115.	1.0	34
46	Blessings of maintaining infeasible solutions for constrained multi-objective optimization problems. , 2008, , .		33
47	Design Optimization of an Unmanned Underwater Vehicle Using Low- and High-Fidelity Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2794-2808.	5.9	32
48	An adaptive differential evolution algorithm and its performance on real world optimization problems. , 2011, , .		31
49	Multilayer dielectric filter design using a multiobjective evolutionary algorithm. IEEE Transactions on Antennas and Propagation, 2005, 53, 3625-3632.	3.1	30
50	A Study on the Performance of Substitute Distance Based Approaches for Evolutionary Many Objective Optimization. Lecture Notes in Computer Science, 2008, , 401-410.	1.0	29
51	Optimum Oil Production Planning Using Infeasibility Driven Evolutionary Algorithm. Evolutionary Computation, 2013, 21, 65-82.	2.3	28
52	Golinski's Speed Reducer Problem Revisited. AIAA Journal, 2003, 41, 556-558.	1.5	27
53	Optimal process design of sheet metal forming for minimum springback via an integrated neural network evolutionary algorithm. Structural and Multidisciplinary Optimization, 2004, 26, 284-294.	1.7	27
54	Performance of infeasibility empowered memetic algorithm for CEC 2010 constrained optimization problems. , 2010, , .		27

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55	Evolving heuristics for the resource constrained project scheduling problem with dynamic resource disruptions. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 897-912.	4.5	27
56	Multi-Objective Optimization With Multiple Spatially Distributed Surrogates. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2016, 138, .	1.7	26
57	An Evolutionary Algorithm with Spatially Distributed Surrogates for Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2007, , 257-268.	1.0	25
58	A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems. , 2014, , .		24
59	On the use of computational intelligence in the optimal shape control of functionally graded smart plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004, 193, 4475-4492.	3.4	23
60	Differential evolution with automatic parameter configuration for solving the CEC2013 competition on Real-Parameter Optimization. , 2013, , .		23
61	A Decomposition Based Evolutionary Algorithm for Many Objective Optimization with Systematic Sampling and Adaptive Epsilon Control. <i>Lecture Notes in Computer Science</i> , 2013, , 413-427.	1.0	23
62	Efficient Use of Partially Converged Simulations in Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 52-64.	7.5	23
63	Sensitivity analysis of inverse algorithms for damage detection in composites. <i>Composite Structures</i> , 2017, 176, 844-859.	3.1	23
64	Multiple Surrogate-Assisted Many-Objective Optimization for Computationally Expensive Engineering Design. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2018, 140, .	1.7	23
65	Use of Infeasible Solutions During Constrained Evolutionary Search: A Short Survey. <i>Lecture Notes in Computer Science</i> , 2016, , 193-205.	1.0	22
66	Surrogate assisted Simulated Annealing (SASA) for constrained multi-objective optimization. , 2010, , .		21
67	Practical Robust Design Optimization Using Evolutionary Algorithms. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2011, 133, .	1.7	21
68	Partial Evaluation Strategies for Expensive Evolutionary Constrained Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021, 25, 1103-1117.	7.5	21
69	Neural network applications in naval architecture and marine engineering. <i>Advanced Engineering Informatics</i> , 1996, 10, 213-226.	0.5	20
70	Multi-objective design optimisation using multiple adaptive spatially distributed surrogates. <i>International Journal of Product Development</i> , 2009, 9, 188.	0.2	20
71	Performance of a hybrid EA-DE-memetic algorithm on CEC 2011 real world optimization problems. , 2011, , .		20
72	Genetic Programming With Mixed-Integer Linear Programming-Based Library Search. <i>IEEE Transactions on Evolutionary Computation</i> , 2018, 22, 733-747.	7.5	20

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73	An efficient optimization approach for flexibility provisioning in community microgrids with an incentive-based demand response scheme. Sustainable Cities and Society, 2021, 74, 103218.	5.1	20
74	Single and multi-objective design of Yagi-Uda antennas using computational intelligence. , 0, , .		19
75	Multiple surrogate assisted multiobjective optimization using improved pre-selection. , 2016, , .		19
76	Nested evolutionary algorithms for computationally expensive bilevel optimization problems: Variants and their systematic analysis. Swarm and Evolutionary Computation, 2019, 48, 329-344.	4.5	19
77	Surrogate Assisted Evolutionary Algorithm for Multi-Objective Optimization. Advances in Process Systems Engineering, 2008, , 131-151.	0.3	18
78	A memetic algorithm with a new split scheme for solving dynamic capacitated arc routing problems. , 2014, , .		18
79	Evolutionary algorithms for power generation planning with uncertain renewable energy. Energy, 2016, 112, 408-419.	4.5	18
80	Adaptation of operators and continuous control parameters in differential evolution for constrained optimization. Soft Computing, 2018, 22, 6595-6616.	2.1	18
81	Prediction of low cycle fatigue life of short fibre composites at elevated temperatures using surrogate modelling. Composites Part B: Engineering, 2011, 42, 1453-1460.	5.9	17
82	A new robust design optimization approach for unmanned underwater vehicle design. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 235-249.	0.3	17
83	Divide and Conquer in Coevolution: A Difficult Balancing Act. Adaptation, Learning, and Optimization, 2010, , 117-138.	0.5	16
84	Fuzzy modeling and control for Autonomous Underwater Vehicle. , 2011, , .		16
85	A memetic algorithm for solving single objective bilevel optimization problems. , 2015, , .		16
86	Kinematic optimization of a flapping foil power generator using a multi-fidelity evolutionary algorithm. Renewable Energy, 2019, 132, 543-557.	4.3	16
87	Validation of algorithms for delamination detection in composite structures using experimental data. Journal of Composite Materials, 2014, 48, 969-983.	1.2	15
88	Decomposition Based Evolutionary Algorithm with a Dual Set of reference vectors. , 2017, , .		15
89	Heuristic Enhanced Evolutionary Algorithm for Community Microgrid Scheduling. IEEE Access, 2020, 8, 76500-76515.	2.6	15
90	Development of a memetic algorithm for Dynamic Multi-Objective Optimization and its applications for online neural network modeling of UAVs. , 2008, , .		14

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91	Real-time scheduling of community microgrid. <i>Journal of Cleaner Production</i> , 2021, 286, 125419.	4.6	14
92	Optimal offline path planning of a fixed wing unmanned aerial vehicle (UAV) using an evolutionary algorithm. , 2007, , .		13
93	A Hybrid Evolutionary Algorithm With Simplex Local Search. , 2007, , .		13
94	Constrained many-objective optimization: A way forward. , 2009, , .		13
95	Evolving rollout-justification based heuristics for resource constrained project scheduling problems. <i>Swarm and Evolutionary Computation</i> , 2019, 50, 100556.	4.5	12
96	A multiple surrogate assisted multi/many-objective multi-fidelity evolutionary algorithm. <i>Information Sciences</i> , 2019, 502, 537-557.	4.0	12
97	A Study on Performance Metrics to Identify Solutions of Interest from a Trade-Off Set. <i>Lecture Notes in Computer Science</i> , 2016, , 66-77.	1.0	12
98	A differential evolution algorithm with constraint sequencing: An efficient approach for problems with inequality constraints. <i>Applied Soft Computing Journal</i> , 2015, 36, 101-113.	4.1	11
99	Path Planning for the Autonomous Underwater Vehicle. <i>Lecture Notes in Computer Science</i> , 2013, , 476-486.	1.0	11
100	Robust Design Optimization of Two-Dimensional Scramjet Inlets. , 2006, , .		10
101	How does the good old Genetic Algorithm fare at real world optimization?. , 2011, , .		10
102	Towards practical evolutionary robust multi-objective optimization. , 2011, , .		10
103	Parameters adaptation in Differential Evolution. , 2012, , .		10
104	A steady state decomposition based quantum genetic algorithm for many objective optimization. , 2013, , .		10
105	Evaluate till you violate: A differential evolution algorithm based on partial evaluation of the constraint set. , 2013, , .		9
106	BLACK-BOX TOOL FOR NONLINEAR SYSTEM IDENTIFICATION BASED UPON FUZZY SYSTEM. <i>International Journal of Computational Intelligence and Applications</i> , 2013, 12, 1350009.	0.6	9
107	Surrogate-assisted optimisation design of composite riser. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016, 230, 18-34.	0.7	9
108	A Novel Decomposition-Based Evolutionary Algorithm for Engineering Design Optimization. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	1.7	9

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109	A multiple surrogate assisted evolutionary algorithm for optimization involving iterative solvers. <i>Engineering Optimization</i> , 2018, 50, 1625-1644.	1.5	9
110	Evolutionary Optimization and Use of Neural Network for Optimum Stamping Process Design for Minimum Springback. <i>Journal of Computing and Information Science in Engineering</i> , 2002, 2, 38-44.	1.7	8
111	An Improved Self-Adaptive Constraint Sequencing approach for constrained optimization problems. <i>Applied Mathematics and Computation</i> , 2015, 253, 23-39.	1.4	8
112	A multi-objective optimization of stent geometries. <i>Journal of Biomechanics</i> , 2021, 125, 110575.	0.9	8
113	Towards identification of solutions of interest for multi-objective problems considering both objective and variable space information. <i>Applied Soft Computing Journal</i> , 2022, 119, 108505.	4.1	8
114	Surrogate Assisted Evolutionary Algorithm for Multiobjective Optimization. , 2006, , .		7
115	Design of a toy submarine using underwater vehicle design optimization framework. , 2011, , .		7
116	Equality Constrained Multi-objective optimization. , 2012, , .		7
117	Application specific instance generator and a memetic algorithm for capacitated arc routing problems. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 43, 249-266.	3.9	7
118	An Approach to Identify Six Sigma Robust Solutions of Multi/Many-Objective Engineering Design Optimization Problems. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2015, 137, .	1.7	7
119	Optimum Oil Production Planning using an Evolutionary Approach. <i>Studies in Computational Intelligence</i> , 2007, , 273-292.	0.7	7
120	A Self-adaptive Differential Evolution Algorithm with Constraint Sequencing. <i>Lecture Notes in Computer Science</i> , 2012, , 182-193.	1.0	7
121	Leader identification and leader selection: its effect on a swarm?s performance for multi-objective design optimization problems. <i>Structural and Multidisciplinary Optimization</i> , 2004, 28, 156.	1.7	6
122	Short-term traffic flow prediction using different techniques. , 2011, , .		6
123	A novel evolutionary approach for 2D shape matching based on B-spline modeling. , 2011, , .		6
124	A Hydrodynamic Preliminary Design Optimization Framework for High Speed Planing Craft. <i>Journal of Ship Research</i> , 2012, 56, 35-47.	0.5	6
125	Flutter Simulation and Prediction Via Identification of Non-Linear Impulse Response. , 2005, , .		5
126	An evolutionary algorithm for machine layout and job assignment problems. , 2007, , .		5

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127	A simulated annealing algorithm for constrained Multi-Objective Optimization. , 2008, , .		5
128	A benchmark generator for dynamic capacitated arc routing problems. , 2014, , .		5
129	Solving an economic and environmental dispatch problem using evolutionary algorithm. , 2014, , .		5
130	Characterizing Pareto Front Approximations in Many-objective Optimization. , 2015, , .		5
131	A study on the effectiveness of constraint handling schemes within Efficient Global Optimization framework. , 2016, , .		5
132	Finding robust solutions for resource constrained project scheduling problems involving uncertainties. , 2016, , .		5
133	Team Selection Using Multi-/Many-Objective Optimization with Integer Linear Programming. , 2018, , .		5
134	Rollout based Heuristics for the Quantum Circuit Compilation Problem. , 2019, , .		5
135	A memetic algorithm for solving bilevel optimization problems with multiple followers. , 2016, , .		5
136	EA for solving combined machine layout and job assignment problems. Journal of Industrial and Management Optimization, 2008, 4, 631-646.	0.8	5
137	A framework for optimization using approximate functions. , 0, , .		4
138	A Parallel Hybrid Optimization Algorithm for Robust Airfoil Design. , 2004, , .		4
139	Optimal design of an Australian medium launch vehicle. Innovations in Systems and Software Engineering, 2007, 3, 105-116.	1.6	4
140	A Simulated Annealing Algorithm for Single Objective Trans-Dimensional Optimization Problems. , 2008, , .		4
141	Memetic algorithm for dynamic bi-objective optimization problems. , 2009, , .		4
142	A Memetic Algorithm for Dynamic Multiobjective Optimization. Studies in Computational Intelligence, 2009, , 353-367.	0.7	4
143	Full Flow-Path Optimization of Axisymmetric Scramjet Engines. , 2011, , .		4
144	Adaptive route guidance system with real-time traffic information. , 2012, , .		4

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145	A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems. , 2014, , .		4
146	Selective evaluation in multiobjective optimization: A less explored avenue. , 2015, , .		4
147	A multi-objective genetic programming approach to uncover explicit and implicit equations from data. , 2015, , .		4
148	Multi-Objective Optimization Using an Evolutionary Algorithm Embedded with Multiple Spatially Distributed Surrogates. Advances in Process Systems Engineering, 2017, , 135-155.	0.3	4
149	A heuristic algorithm for solving resource constrained project scheduling problems. , 2017, , .		4
150	Efficient Global Optimization for Solving Computationally Expensive Bilevel Optimization Problems. , 2018, , .		4
151	Investigating the use of sequencing and infeasibility driven strategies for constrained optimization. , 2019, , .		4
152	Feasibility-ratio based sequencing for computationally efficient constrained optimization. Swarm and Evolutionary Computation, 2021, 62, 100850.	4.5	4
153	Delamination detection using methods of computational intelligence. , 2012, , .		3
154	A Differential Evolution Algorithm with Constraint Sequencing. , 2012, , .		3
155	A smart repair embedded memetic algorithm for 2D shape matching problems. Engineering Optimization, 2012, 44, 1229-1243.	1.5	3
156	A repair mechanism for active inequality constraint handling. , 2012, , .		3
157	Efficiencies of algorithms for vibration-based delamination detection: A comparative study. Journal of Mechanics of Materials and Structures, 2013, 8, 247-281.	0.4	3
158	Solving problems with a mix of hard and soft constraints using modified infeasibility driven evolutionary algorithm (IDEA-M). , 2014, , .		3
159	Memetic algorithm for solving resource constrained project scheduling problems. , 2015, , .		3
160	A multi-objective batch infill strategy for efficient global optimization. , 2016, , .		3
161	A co-evolutionary approach for optimal bidding strategy of multiple electricity suppliers. , 2016, , .		3
162	A Nested Differential Evolution Based Algorithm for Solving Multi-objective Bilevel Optimization Problems. Lecture Notes in Computer Science, 2016, , 101-112.	1.0	3

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163	A Path-Based Solution Algorithm for Dynamic Traffic Assignment. Networks and Spatial Economics, 2017, 17, 841-860.	0.7	3
164	An approach to generate comprehensive piecewise linear interpolation of pareto outcomes to aid decision making. Journal of Global Optimization, 2017, 68, 71-93.	1.1	3
165	Identifying solutions of interest for practical many-objective problems using recursive expected marginal utility. , 2019, , .		3
166	Investigating Normalization Bounds for Hypervolume-Based Infill Criterion for Expensive Multiobjective Optimization. Lecture Notes in Computer Science, 2021, , 519-530.	1.0	3
167	Improving Efficiency of Bi-level Worst Case Optimization. Lecture Notes in Computer Science, 2016, , 410-420.	1.0	3
168	Evolutionary Algorithm Embedded With Bump-Hunting for Constrained Design Optimization. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	1.7	3
169	A Multifidelity Approach for Bilevel Optimization With Limited Computing Budget. IEEE Transactions on Evolutionary Computation, 2022, 26, 392-399.	7.5	3
170	Performance of Infeasibility Empowered Memetic Algorithm (IEMA) on Engineering Design Problems. Lecture Notes in Computer Science, 2010, , 425-434.	1.0	3
171	Adjusting normalization bounds to improve hypervolume based search for expensive multi-objective optimization. Complex & Intelligent Systems, 0, , 1.	4.0	3
172	APPLICATIONS OF MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS IN ENGINEERING DESIGN. Advances in Natural Computation, 2004, , 29-52.	0.1	2
173	Novel evolutionary algorithm with set representation scheme for truss design. , 2007, , .		2
174	Evolutionary Algorithm Use in Optimisation of a Launch Vehicle Stack Model. , 2007, , .		2
175	An improved secondary ranking for many objective optimization problems. , 2009, , .		2
176	A computationally efficient approach for NN based system identification of a rotary wing UAV. International Journal of Control, Automation and Systems, 2010, 8, 727-734.	1.6	2
177	Agent Based Evolutionary Approach: An Introduction. Adaptation, Learning, and Optimization, 2010, , 1-11.	0.5	2
178	An Evolutionary Approach for the Design of Autonomous Underwater Vehicles. Lecture Notes in Computer Science, 2012, , 279-290.	1.0	2
179	Application of a non-cooperative game theory based traffic assignment. , 2013, , .		2
180	Joint power control and resource scheduling in wireless heterogeneous networks. , 2015, , .		2

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181	A Projection-Based Approach for Constructing Piecewise Linear Pareto Front Approximations. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	1.7	2
182	A Double Action Genetic Algorithm for Scheduling the Wind-Thermal Generators. Lecture Notes in Computer Science, 2016, , 258-269.	1.0	2
183	A Differential Evolution Algorithm for Solving Resource Constrained Project Scheduling Problems. Lecture Notes in Computer Science, 2016, , 209-220.	1.0	2
184	Online intensification of search around solutions of interest for multi/many-objective optimization. , 2020, , .		2
185	An Evolutionary Framework for Bi-objective Dynamic Economic and Environmental Dispatch Problems. Proceedings in Adaptation, Learning and Optimization, 2017, , 495-508.	1.5	2
186	A Memetic Algorithm for Efficient Solution of 2D and 3D Shape Matching Problems. Lecture Notes in Computer Science, 2012, , 362-372.	1.0	2
187	Effectiveness of Artificial Neural Networks and Surrogate-Assisted Optimization Techniques in Delamination Detection for Structural Health Monitoring. , 2012, , .		2
188	Comparative Analysis of Multiple Neural Networks for Online Identification of a UAV. , 2007, , 120-129.		2
189	An Iterative Two-Stage Multifidelity Optimization Algorithm for Computationally Expensive Problems. IEEE Transactions on Evolutionary Computation, 2023, 27, 520-534.	7.5	2
190	Scenario-based hydrodynamic design optimization of high speed planing craft for coastal surveillance. , 2011, , .		1
191	The Design of High Speed Planing Craft Using an Optimization Framework. , 2012, , .		1
192	Comparison of Inverse Algorithms for Delamination Detection in Composite Laminates. , 2012, , .		1
193	An efficient memetic algorithm for 3D shape matching problems. Engineering Optimization, 2014, 46, 687-703.	1.5	1
194	Practical application of an evolutionary algorithm for the design and construction of a six-inch submarine. , 2014, , .		1
195	Performance of a steady state quantum genetic algorithm for multi/many-objective engineering optimization problems. , 2015, , .		1
196	A Semantics based Symbolic Regression Framework for Mining Explicit and Implicit Equations from Data. , 2016, , .		1
197	A Batch Infill Strategy for Computationally Expensive Optimization Problems. Lecture Notes in Computer Science, 2017, , 74-85.	1.0	1
198	Use of a Non-nested Formulation to Improve Search for Bilevel Optimization. Lecture Notes in Computer Science, 2017, , 106-118.	1.0	1

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199	Investigation of a Simple Distance Based Ranking Metric for Decomposition-Based Multi/Many-Objective Evolutionary Algorithms. Lecture Notes in Computer Science, 2018, , 384-396.	1.0	1
200	A Neural-Network-Assisted Optimization Framework and Its Use for Optimum-Parameter Identification. , 2006, , 221-235.		1
201	An Efficient Hybrid Algorithm for Optimization of Discrete Structures. Lecture Notes in Computer Science, 2008, , 625-634.	1.0	1
202	Efficient Solution of Capacitated Arc Routing Problems with a Limited Computational Budget. Lecture Notes in Computer Science, 2012, , 791-802.	1.0	1
203	Hybrid Neuro-Fuzzy Network Identification for Autonomous Underwater Vehicles. Lecture Notes in Computer Science, 2013, , 287-297.	1.0	1
204	An Evolutionary Algorithm with Classifier Guided Constraint Evaluation Strategy for Computationally Expensive Optimization Problems. Lecture Notes in Computer Science, 2015, , 49-62.	1.0	1
205	Re-design for Robustness: An Approach Based on Many Objective Optimization. Lecture Notes in Computer Science, 2015, , 343-357.	1.0	1
206	Enhanced Pareto Interpolation Method to Aid Decision Making for Discontinuous Pareto Optimal Fronts. Lecture Notes in Computer Science, 2017, , 93-105.	1.0	1
207	Computational Swarm Strategies for Single Objective Design Optimization Problems. International Journal for Computational Methods in Engineering Science and Mechanics, 2006, 8, 11-21.	1.4	0
208	Uncovering secrets behind low-resistance planing craft hull forms through optimization. Engineering Optimization, 2011, 43, 1161-1173.	1.5	0
209	Hull Surface Information Retrieval and Optimization of High Speed Planing Craft. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012034.	0.3	0
210	A Memetic Algorithm with Random Key Crossover and Modified Neighborhood Search for the Solution of Capacitated Arc Routing Problems. , 2012, , .		0
211	ANFN controller based on differential evolution for Autonomous Underwater Vehicles. , 2012, , .		0
212	3D tools for the Robust Design Optimization of an Autonomous Underwater Vehicle. , 2013, , .		0
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