Kalayanmoy Deb

List of Publications by Year
in descending order

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		8159	428
523	86,338	76	275
papers	citations	h-index	g-index

541	541	541	34688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toward Interpretable-AI Policies Using Evolutionary Nonlinear Decision Trees for Discrete-Action Systems. IEEE Transactions on Cybernetics, 2024, 54, 50-62.	6.2	3
2	A Localized High-Fidelity-Dominance-Based Many-Objective Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2023, 27, 923-937.	7.5	4
3	A customized genetic algorithm for bi-objective routing in a dynamic network. European Journal of Operational Research, 2022, 297, 615-629.	3.5	15
4	Image-based benchmarking and visualization for large-scale global optimization. Applied Intelligence, 2022, 52, 4161-4191.	3.3	0
5	Analyzing Dominance Move (MIP-DoM) Indicator for Multiobjective and Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 476-489.	7.5	4
6	A Learning-based Innovized Progress Operator for Faster Convergence in Evolutionary Multi-objective Optimization. ACM Transactions on Evolutionary Learning, 2022, 2, 1-29.	2.7	8
7	Benefits of sparse population sampling in multi-objective evolutionary computing for large-Scale sparse optimization problems. Swarm and Evolutionary Computation, 2022, 69, 101025.	4.5	15
8	Scheduling by NSGA-II: Review and Bibliometric Analysis. Processes, 2022, 10, 98.	1.3	34
9	Handling constrained multi-objective optimization problems with heterogeneous evaluation times: proof-of-principle results. Memetic Computing, 2022, 14, 135-150.	2.7	8
10	Bi-objective optimization of transcritical CO2 heat pump systems. Energy, 2022, 247, 123469.	4.5	9
11	Machine learning-based framework to cover optimal Pareto-front in many-objective optimization. Complex & Intelligent Systems, 2022, 8, 5287-5308.	4.0	8
12	Approximations for Pareto and Proper Pareto solutions and their KKT conditions. Mathematical Methods of Operations Research, 2022, 96, 123-148.	0.4	2
13	Effect of Objective Normalization and Penalty Parameter on Penalty Boundary Intersection Decomposition-Based Evolutionary Many-Objective Optimization Algorithms. Evolutionary Computation, 2021, 29, 157-186.	2.3	12
14	Generating Well-Spaced Points on a Unit Simplex for Evolutionary Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 48-60.	7.5	39
15	A proximity-based surrogate-assisted method for simulation-based design optimization of a cylinder head water jacket. Engineering Optimization, 2021, 53, 1574-1592.	1.5	5
16	Evolutionary Multi-Objective Optimization Algorithm for Community Detection in Complex Social Networks. SN Computer Science, 2021, 2, 1.	2.3	46
17	Multiobjective optimization and analysis of petroleum refinery catalytic processes: A review. Fuel, 2021, 288, 119678.	3.4	26
18	Online clustering reduction based on parametric and non-parametric correlation for a many-objective vehicle routing problem with demand responsive transport. Expert Systems With Applications, 2021, 170, 114467.	4.4	10

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19	A non-dominated sorting based customized random-key genetic algorithm for the bi-objective traveling thief problem. Journal of Heuristics, 2021, 27, 267-301.	1.1	9
20	Interpretable Self-Organizing Maps (iSOM) for Visualization of Pareto Front in Multiple Objective Optimization. Lecture Notes in Computer Science, 2021, , 645-655.	1.0	2
21	Multidimensional Aspects of Sustainable Biofuel Feedstock Production. Sustainability, 2021, 13, 1424.	1.6	7
22	Handling Priority Levels in Mixed Pareto-Lexicographic Many-Objective Optimization Problems. Lecture Notes in Computer Science, 2021, , 362-374.	1.0	5
23	Embedding a Repair Operator in Evolutionary Single and Multi-objective Algorithms - An Exploitation-Exploration Perspective. Lecture Notes in Computer Science, 2021, , 89-101.	1.0	3
24	Towards Multi-objective Co-evolutionary Problem Solving. Lecture Notes in Computer Science, 2021, , 139-151.	1.0	0
25	Reference point based evolutionary multi-objective optimization algorithms with convergence properties using KKTPM and ASF metrics. Journal of Heuristics, 2021, 27, 575-614.	1.1	12
26	Multiobjective Evolutionary Design of Deep Convolutional Neural Networks for Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 277-291.	7.5	87
27	PSAF. , 2021, , .		1
28	Multi-objective Coevolution and Decision-making for Cooperative and Competitive Environments. , 2021, , .		0
29	Aggregation or Selection? Clustering Many Objectives for Vehicle Routing Problem with Demand Responsive Transport. , 2021, , .		1
30	Ensembled Crossover based Evolutionary Algorithm for Single and Multi-objective Optimization. , 2021, , .		1
31	An improved visual analytics framework for high-dimensional pareto-optimal front: a case for multi-objective portfolio optimization. Journal of Banking and Financial Technology, 2021, 5, 105.	2.6	0
32	Solving the maximum edge disjoint path problem using a modified Lagrangian particle swarm optimisation hybrid. European Journal of Operational Research, 2021, 293, 847-862.	3.5	9
33	Neural Architecture Transfer. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2971-2989.	9.7	62
34	Solving Mixed Pareto-Lexicographic Multiobjective Optimization Problems: The Case of Priority Levels. IEEE Transactions on Evolutionary Computation, 2021, 25, 971-985.	7.5	8
35	A novel multi-objective model calibration method for ecohydrological applications. Environmental Modelling and Software, 2021, 144, 105161.	1.9	8
36	A new gradient free local search mechanism for constrained multi-objective optimization problems. Swarm and Evolutionary Computation, 2021, 67, 100938.	4.5	7

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37	Combining User Knowledge and Online Innovization for Faster Solution to Multi-objective Design Optimization Problems. Lecture Notes in Computer Science, 2021, , 102-114.	1.0	5
38	Constrained Bi-objective Surrogate-Assisted Optimization of Problems with Heterogeneous Evaluation Times: Expensive Objectives and Inexpensive Constraints. Lecture Notes in Computer Science, 2021, , 257-269.	1.0	11
39	Interpretable Rule Discovery Through Bilevel Optimization of Split-Rules of Nonlinear Decision Trees for Classification Problems. IEEE Transactions on Cybernetics, 2021, 51, 5573-5584.	6.2	13
40	Surrogate Modeling Approaches for Multiobjective Optimization: Methods, Taxonomy, and Results. Mathematical and Computational Applications, 2021, 26, 5.	0.7	16
41	Evolutionary Computation: An Emerging Framework for Practical Single and Multicriterion Optimization and Decision Making. , 2021, , 255-286.		0
42	Optimized Electric Machine Design Solutions with Efficient Handling of Constraints. , 2021, , .		2
43	On a practical notion of Geoffrion proper optimality in multicriteria optimization. Optimization, 2020, 69, 1513-1539.	1.0	3
44	A genetic algorithm with local search for solving single-source single-sink nonlinear non-convex minimum cost flow problems. Soft Computing, 2020, 24, 1153-1169.	2.1	6
45	Difficulty Adjustable and Scalable Constrained Multiobjective Test Problem Toolkit. Evolutionary Computation, 2020, 28, 339-378.	2.3	91
46	Bilevel optimization based on iterative approximation of multiple mappings. Journal of Heuristics, 2020, 26, 151-185.	1.1	33
47	Unconventional optimization for achieving well-informed design solutions for the automobile industry. Engineering Optimization, 2020, 52, 1542-1560.	1.5	6
48	Trend Mining 2.0: Automating the Discovery of Variable Trends in the Objective Space. , 2020, , .		0
49	MUXConv: Information Multiplexing in Convolutional Neural Networks. , 2020, , .		34
50	A Running Performance Metric and Termination Criterion for Evaluating Evolutionary Multi- and Many-objective Optimization Algorithms. , 2020, , .		19
51	A Large-scale Bi-objective Optimization of Solid Rocket Motors Using Innovization. , 2020, , .		8
52	Energy-aware whale optimization algorithm for real-time task scheduling in multiprocessor systems. Applied Soft Computing Journal, 2020, 93, 106349.	4.1	36
53	A novel selection mechanism for evolutionary algorithms with metameric variable-length representations. Soft Computing, 2020, 24, 16439-16452.	2.1	3
54	Does Preference Always Help? A Holistic Study on Preference-Based Evolutionary Multiobjective Optimization Using Reference Points. IEEE Transactions on Evolutionary Computation, 2020, 24, 1078-1096.	7.5	36

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55	Ranking Multi-Metric Scientific Achievements Using a Concept of Pareto Optimality. Mathematics, 2020, 8, 956.	1.1	4
56	Investigating the equivalence between PBI and AASF scalarization for multi-objective optimization. Swarm and Evolutionary Computation, 2020, 53, 100630.	4.5	7
57	Implicit constraints handling for efficient search of feasible solutions. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112917.	3.4	22
58	A smooth proximity measure for optimality in multi-objective optimization using Bensonâ€™s method. Computers and Operations Research, 2020, 117, 104900.	2.4	23
59	A customized bilevel optimization approach for solving large-scale truss design problems. Engineering Optimization, 2020, 52, 2062-2079.	1.5	7
60	Pymoo: Multi-Objective Optimization in Python. IEEE Access, 2020, 8, 89497-89509.	2.6	751
61	PaletteViz: A Visualization Method for Functional Understanding of High-Dimensional Pareto-Optimal Data-Sets to Aid Multi-Criteria Decision Making. IEEE Computational Intelligence Magazine, 2020, 15, 36-48.	3.4	25
62	NSGANetV2: Evolutionary Multi-objective Surrogate-Assisted Neural Architecture Search. Lecture Notes in Computer Science, 2020, , 35-51.	1.0	64
63	Learning-based multi-objective optimization through ANN-assisted online Innovization. , 2020, , .		9
64	Gap finding and validation in evolutionary multi- and many-objective optimization. , 2020, , .		7
65	Towards sustainable forest management strategies with MOEAs. , 2020, , .		3
66	PaletteViz with Star-coordinates: An Improved Method for High-dimensional Pareto-optimal Front Visualization and Decision-making. , 2020, , .		0
67	Approximate Bilevel Optimization with Population-Based Evolutionary Algorithms. Springer Optimization and Its Applications, 2020, , 361-402.	0.6	1
68	Constrained Multi-objective Evolutionary Algorithm. Studies in Computational Intelligence, 2019, , 85-118.	0.7	2
69	Using Karush-Kuhn-Tucker proximity measure for solving bilevel optimization problems. Swarm and Evolutionary Computation, 2019, 44, 496-510.	4.5	49
70	NSGA-Net. , 2019, , .		260
71	Analysis and multi-objective optimization of a kind of teaching manipulator. Swarm and Evolutionary Computation, 2019, 50, 100554.	4.5	6
72	A parametric investigation of PBI and AASF scalarizations. , 2019, , .		0

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73	Crop yield simulation optimization using precision irrigation and subsurface water retention technology. Environmental Modelling and Software, 2019, 119, 433-444.	1.9	28
74	Explicit Control of Implicit Parallelism in Decomposition-Based Evolutionary Many-Objective Optimization Algorithms [Research Frontier]. IEEE Computational Intelligence Magazine, 2019, 14, 52-64.	3.4	6
75	A survey of evolutionary algorithms using metameric representations. Genetic Programming and Evolvable Machines, 2019, 20, 441-478.	1.5	29
76	Generating Uniformly Distributed Points on a Unit Simplex for Evolutionary Many-Objective Optimization. Lecture Notes in Computer Science, 2019, , 179-190.	1.0	6
77	Investigating the Normalization Procedure of NSGA-III. Lecture Notes in Computer Science, 2019, , 229-240.	1.0	38
78	Trust-Region Based Multi-objective Optimization for Low Budget Scenarios. Lecture Notes in Computer Science, 2019, , 373-385.	1.0	6
79	A multi-objective approach to water and nutrient efficiency for sustainable agricultural intensification. Agricultural Systems, 2019, 173, 289-302.	3.2	41
80	Simulation Optimization of Water Usage and Crop Yield Using Precision Irrigation. Lecture Notes in Computer Science, 2019, , 695-706.	1.0	2
81	Comparison between MOEA/D and NSGA-III on a set of novel many and multi-objective benchmark problems with challenging difficulties. Swarm and Evolutionary Computation, 2019, 46, 104-117.	4.5	123
82	Variable-Length Pareto Optimization via Decomposition-Based Evolutionary Multiobjective Algorithm. IEEE Transactions on Evolutionary Computation, 2019, 23, 987-999.	7.5	13
83	Push and pull search for solving constrained multi-objective optimization problems. Swarm and Evolutionary Computation, 2019, 44, 665-679.	4.5	242
84	Using semi-independent variables to enhance optimization search. Expert Systems With Applications, 2019, 120, 279-297.	4.4	10
85	Multiphase Balance of Diversity and Convergence in Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 503-513.	7.5	40
86	An Efficient Nondominated Sorting Algorithm for Large Number of Fronts. IEEE Transactions on Cybernetics, 2019, 49, 859-869.	6.2	26
87	CHIP: Constraint Handling with Individual Penalty approach using a hybrid evolutionary algorithm. Neural Computing and Applications, 2019, 31, 5255-5271.	3.2	7
88	A Taxonomy for Metamodeling Frameworks for Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 104-116.	7.5	56
89	R-Metric: Evaluating the Performance of Preference-Based Evolutionary Multiobjective Optimization Using Reference Points. IEEE Transactions on Evolutionary Computation, 2018, 22, 821-835.	7.5	65
90	Improving the performance of genetic algorithms for land-use allocation problems. International Journal of Geographical Information Science, 2018, 32, 907-930.	2.2	36

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91	A Novel Class of Test Problems for Performance Evaluation of Niching Methods. IEEE Transactions on Evolutionary Computation, 2018, 22, 909-919.	7.5	11
92	Late parallelization and feedback approaches for distributed computation of evolutionary multi-objective optimization algorithms. Neural Computing and Applications, 2018, 30, 723-733.	3.2	2
93	Derived heuristics-based consistent optimization of material flow in a gold processing plant. Engineering Optimization, 2018, 50, 1-18.	1.5	7
94	A Review on Bilevel Optimization: From Classical to Evolutionary Approaches and Applications. IEEE Transactions on Evolutionary Computation, 2018, 22, 276-295.	7.5	489
95	Adaptively Allocating Search Effort in Challenging Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 433-448.	7.5	126
96	Detecting irrigation extent, frequency, and timing in a heterogeneous arid agricultural region using MODIS time series, Landsat imagery, and ancillary data. Remote Sensing of Environment, 2018, 204, 197-211.	4.6	75
97	Opposition based learning: A literature review. Swarm and Evolutionary Computation, 2018, 39, 1-23.	4.5	250
98	3D-RadVis Antenna: Visualization and performance measure for many-objective optimization. Swarm and Evolutionary Computation, 2018, 39, 157-176.	4.5	16
99	Switching Between Metamodeling Frameworks for Efficient Multi-Objective Optimization. , 2018, , .		2
100	Design of an Adaptive Push-Repel Operator for Enhancing Convergence in Genetic Algorithms. , 2018, , .		0
101	Reference Point Based NSGA-III for Preferred Solutions. , 2018, , .		39
102	Evolving and Comparing Greenhouse Control Strategies using Model-Based Multi-Objective Optimization. , 2018, , .		5
103	A Topologically Consistent Visualization of High Dimensional Pareto-front for Multi-Criteria Decision Making. , 2018, , .		2
104	Reference point based evolutionary multi-objective optimization with dynamic resampling for production systems improvement. Journal of Systems and Information Technology, 2018, 20, 489-512.	0.8	5
105	Balancing Survival of Feasible and Infeasible Solutions in Constraint Evolutionary Optimization Algorithms. , 2018, , .		3
106	Bilevel Optimization Based on Kriging Approximations of Lower Level Optimal Value Function. , 2018, , .		9
107	Uncertainty Handling in Bilevel Optimization for Robust and Reliable Solutions. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2018, 26, 1-24.	0.9	3
108	Evaluation of the migrated solutions for distributing reference point-based multi-objective optimization algorithms. Information Sciences, 2018, 467, 750-765.	4.0	4

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109	Closely spaced rectangular footings on sand over soft clay with geogrid at the interface. Geosynthetics International, 2018, 25, 412-426.	1.5	14
110	Guest Editorial Special Issue on Search-Based Software Engineering. IEEE Transactions on Evolutionary Computation, 2018, 22, 333-333.	7.5	0
111	Distributed approaches for reference-point-based multi-objective hybrid problems. Information Sciences, 2018, 467, 323-341.	4.0	0
112	Trust-region based algorithms with low-budget for multi-objective optimization. , 2018, , .		2
113	Evaluation of the impacts of hydrologic model calibration methods on predictability of ecologically-relevant hydrologic indices. Journal of Hydrology, 2018, 564, 758-772.	2.3	10
114	Non-dominated Sorting Based Multi/Many-Objective Optimization: Two Decades of Research and Application. , 2018, , 1-24.		13
115	Using multi-objective optimization to secure fertile soils across municipalities. Applied Geography, 2018, 97, 75-84.	1.7	16
116	Handling Multiple Scenarios in Evolutionary Multiobjective Numerical Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 920-933.	7.5	27
117	A robust multi-objective approach to balance severity and importance of refactoring opportunities. Empirical Software Engineering, 2017, 22, 894-927.	3.0	39
118	Multi-objective code-smells detection using good and bad design examples. Software Quality Journal, 2017, 25, 529-552.	1.4	39
119	Multi-view refactoring of class and activity diagrams using a multi-objective evolutionary algorithm. Software Quality Journal, 2017, 25, 473-501.	1.4	41
120	Towards faster convergence of evolutionary multi-criterion optimization algorithms using Karush Kuhn Tucker optimality based local search. Computers and Operations Research, 2017, 79, 331-346.	2.4	22
121	Multimodal Optimization by Covariance Matrix Self-Adaptation Evolution Strategy with Repelling Subpopulations. Evolutionary Computation, 2017, 25, 439-471.	2.3	49
122	Design optimization of an artificial lateral line system incorporating flow and sensor uncertainties. Engineering Optimization, 2017, 49, 328-344.	1.5	15
123	Data mining methods for knowledge discovery in multi-objective optimization: Part B - New developments and applications. Expert Systems With Applications, 2017, 70, 119-138.	4.4	50
124	Towards a Better Balance of Diversity and Convergence in NSGA-III: First Results. Lecture Notes in Computer Science, 2017, , 545-559.	1.0	6
125	Classifying Metamodeling Methods for Evolutionary Multi-objective Optimization: First Results. Lecture Notes in Computer Science, 2017, , 160-175.	1.0	11
126	Injection of Extreme Points in Evolutionary Multiobjective Optimization Algorithms. Lecture Notes in Computer Science, 2017, , 590-605.	1.0	4

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127	Empirical Investigations of Reference Point Based Methods When Facing a Massively Large Number of Objectives: First Results. Lecture Notes in Computer Science, 2017, , 390-405.	1.0	6
128	A population-based fast algorithm for a billion-dimensional resource allocation problem with integer variables. European Journal of Operational Research, 2017, 261, 460-474.	3.5	43
129	MORE: A multiâ€objective refactoring recommendation approach to introducing design patterns and fixing code smells. Journal of Software: Evolution and Process, 2017, 29, e1843.	1.2	29
130	Multi-Criterion Optimization and Decision Making Using Evolutionary Computing. , 2017, , 293-321.		0
131	Effects of aspect ratio of footings on bearing capacity for geogrid-reinforced sand over soft soil. Geosynthetics International, 2017, 24, 362-382.	1.5	51
132	Financial time series prediction using hybrids of chaos theory, multi-layer perceptron and multi-objective evolutionary algorithms. Swarm and Evolutionary Computation, 2017, 36, 136-149.	4.5	95
133	Seeking Multiple Solutions: An Updated Survey on Niching Methods and Their Applications. IEEE Transactions on Evolutionary Computation, 2017, 21, 518-538.	7.5	210
134	Handling practicalities in agricultural policy optimization for water quality improvements. , 2017, , .		3
135	Metamodeling for multimodal selection functions in evolutionary multi-objective optimization. , 2017, , .		7
136	Reducing the loss of agricultural productivity due to compact urban development in municipalities of Switzerland. Computers, Environment and Urban Systems, 2017, 65, 162-177.	3.3	21
137	Solving a supply-chain management problem using a bilevel approach. , 2017, , .		2
138	Short versus long-term urban planning using multi-objective optimization. , 2017, , .		0
139	Towards an epigenetics-inspired control system for power dispatch problem. , 2017, , .		0
140	A Computationally Fast Convergence Measure and Implementation for Single-, Multiple-, and Many-Objective Optimization. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 280-293.	3.4	12
141	Neural network metamodelling in multi-objective optimization of a high latitude solar community. Solar Energy, 2017, 155, 323-335.	2.9	15
142	Evolutionary bilevel optimization using KKT proximity measure. , 2017, , .		3
143	Fusion-based hybrid many-objective optimization algorithm. , 2017, , .		4
144	Enhancing clearing-based niching method using Delaunay Triangulation. , 2017, , .		4

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145	A bi-objective hybrid constrained optimization (HyCon) method using a multi-objective and penalty function approach. , 2017, , .		11
146	Use of derived heuristics in improved performance of evolutionary optimization: An application to gold processing plant. , 2017, , .		0
147	Effect of size and order of variables in rules for multi-objective repair-based innovization procedure. , 2017, , .		12
148	Challenges for evolutionary multiobjective optimization algorithms in solving variable-length problems. , 2017, , .		9
149	Multimodal truss structure design using bilevel and niching based evolutionary algorithms. , 2017, , .		8
150	Efficient Nondomination Level Update Method for Steady-State Evolutionary Multiobjective Optimization. IEEE Transactions on Cybernetics, 2017, 47, 2838-2849.	6.2	52
151	Approximated set-valued mapping approach for handling multiobjective bilevel problems. Computers and Operations Research, 2017, 77, 194-209.	2.4	21
152	Evolutionary algorithm for bilevel optimization using approximations of the lower level optimal solution mapping. European Journal of Operational Research, 2017, 257, 395-411.	3.5	81
153	A derived heuristics based multi-objective optimization procedure for micro-grid scheduling. Engineering Optimization, 2017, 49, 1078-1096.	1.5	19
154	Search-based detection of model level changes. Empirical Software Engineering, 2017, 22, 670-715.	3.0	15
155	Solving metameric variable-length optimization problems using genetic algorithms. Genetic Programming and Evolvable Machines, 2017, 18, 247-277.	1.5	28
156	Data mining methods for knowledge discovery in multi-objective optimization: Part A - Survey. Expert Systems With Applications, 2017, 70, 139-159.	4.4	131
157	RDS-NSGA-II: a memetic algorithm for reference point based multi-objective optimization. Engineering Optimization, 2017, 49, 828-845.	1.5	20
158	Finding near-optimum and diverse solutions for a large-scale engineering design problem. , 2017, , .		6
159	A Comparative Study of Fast Adaptive Preference-Guided Evolutionary Multi-objective Optimization. Lecture Notes in Computer Science, 2017, , 560-574.	1.0	1
160	Solving the Bi-objective Traveling Thief Problem with Multi-objective Evolutionary Algorithms. Lecture Notes in Computer Science, 2017, , 46-60.	1.0	19
161	Multi-Objective Evolutionary Algorithms. , 2017, , 185-229.		0
162	Best Order Sort. , 2016, , .		29

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163	Karush-Kuhn-Tucker Proximity Measure for Multi-Objective Optimization Based on Numerical Gradients. , 2016, , .		2
164	A Generative Kriging Surrogate Model for Constrained and Unconstrained Multi-objective Optimization. , 2016, , .		25
165	3D-RadVis: Visualization of Pareto front in many-objective optimization. , 2016, , .		42
166	Center-based initialization of cooperative co-evolutionary algorithm for large-scale optimization. , 2016, , .		19
167	A ranking and selection strategy for preference-based evolutionary multi-objective optimization of variable-noise problems. , 2016, , .		4
168	High dimensional model representation for solving expensive multi-objective optimization problems. , 2016, , .		7
169	Multi-Objective Optimization. , 2016, , 145-184.		74
170	Handling inverse optimal control problems using evolutionary bilevel optimization. , 2016, , .		9
171	Metaheuristic Techniques. , 2016, , 693-750.		25
172	EliteNSGA-III: An improved evolutionary many-objective optimization algorithm. , 2016, , .		25
173	Solving optimistic bilevel programs by iteratively approximating lower level optimal value function. , 2016, , .		12
174	Finding Reliable Solutions in Bilevel Optimization Problems Under Uncertainties. , 2016, , .		1
175	Breaking the Billion-Variable Barrier in Real-World Optimization Using a Customized Evolutionary Algorithm. , 2016, , .		32
176	Towards a Better Diversity of Evolutionary Multi-Criterion Optimization Algorithms using Local Searches. , 2016, , .		5
177	Maintaining Diversity in The Bounded Pareto-Set. , 2016, , .		1
178	Adaptive Use of Innovization Principles for a Faster Convergence of Evolutionary Multi-Objective Optimization Algorithms. , 2016, , .		11
179	Investigating the Effect of Imbalance Between Convergence and Diversity in Evolutionary Multi-objective Algorithms. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	7.5	15
180	Multi-Criteria Code Refactoring Using Search-Based Software Engineering. ACM Transactions on Software Engineering and Methodology, 2016, 25, 1-53.	4.8	106

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181	Extracting from the relaxed for large-scale semi-continuous variable nondominated frontiers. Journal of Global Optimization, 2016, 64, 33-48.	1.1	4
182	A Unified Evolutionary Optimization Procedure for Single, Multiple, and Many Objectives. IEEE Transactions on Evolutionary Computation, 2016, 20, 358-369.	7.5	90
183	An improved fully stressed design evolution strategy for layout optimization of truss structures. Computers and Structures, 2016, 164, 127-144.	2.4	43
184	Structural topology optimization using multi-objective genetic algorithm with constructive solid geometry representation. Applied Soft Computing Journal, 2016, 39, 240-250.	4.1	22
185	An Optimality Theory-Based Proximity Measure for Set-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2016, 20, 515-528.	7.5	34
186	On the use of many quality attributes for software refactoring: a many-objective search-based software engineering approach. Empirical Software Engineering, 2016, 21, 2503-2545.	3.0	63
187	Solving Bilevel Multicriterion Optimization Problems With Lower Level Decision Uncertainty. IEEE Transactions on Evolutionary Computation, 2016, 20, 199-217.	7.5	45
188	Uniform adaptive scaling of equality and inequality constraints within hybrid evolutionary-cum-classical optimization. Soft Computing, 2016, 20, 2367-2382.	2.1	7
189	Hybrid Dynamic Resampling Algorithms for Evolutionary Multi-objective Optimization of Invariant-Noise Problems. Lecture Notes in Computer Science, 2016, , 311-326.	1.0	2
190	Variable Interaction in Multi-objective Optimization Problems. Lecture Notes in Computer Science, 2016, , 399-409.	1.0	9
191	Multi-Objective Evolutionary Algorithms. Advances in Chemical and Materials Engineering Book Series, 2016, , 301-345.	0.2	0
192	Feasibility preserving constraint-handling strategies for real parameter evolutionary optimization. Computational Optimization and Applications, 2015, 62, 851-890.	0.9	33
193	Transportation policy formulation as a multi-objective bilevel optimization problem. , 2015, , .		20
194	Late Parallelization and Feedback Approaches for Distributed Computation of Evolutionary Multiobjective Optimization Algorithms. , 2015, , .		0
195	An integrated approach involving EMO and HYDRUS-2D software for SWRT-based precision irrigation. , 2015, , .		1
196	Triple Bottomline Many-Objective-Based Decision Making for a Land Use Management Problem. Journal of Multi-Criteria Decision Analysis, 2015, 22, 133-159.	1.0	12
197	Many-Objective Software Remodularization Using NSGA-III. ACM Transactions on Software Engineering and Methodology, 2015, 24, 1-45.	4.8	197
198	Towards optimal ship design and valuable knowledge discovery under uncertain conditions. , 2015, , .		2

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199	Reference point based distributed computing for multiobjective optimization. , 2015, , .		4
200	Towards an automated innovization method for handling discrete search spaces. , 2015, , .		2
201	Handling decision variable uncertainty in bilevel optimization problems. , 2015, , .		7
202	Evolutionary multiobjective optimization with hybrid selection principles. , 2015, , .		2
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