

Qingfu Zhang

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223
papers

18,583
citations

49
h-index

135
g-index

242
ext. papers

23,450
ext. citations

7.3
avg, IF

7.46
L-index

#	Paper	IF	Citations
223	MOEA/D: A Multiobjective Evolutionary Algorithm Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2007 , 11, 712-731	15.6	4746
222	Multiobjective Optimization Problems With Complicated Pareto Sets, MOEA/D and NSGA-II. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 284-302	15.6	1566
221	Multiobjective evolutionary algorithms: A survey of the state of the art. <i>Swarm and Evolutionary Computation</i> , 2011 , 1, 32-49	9.8	1331
220	Differential Evolution With Composite Trial Vector Generation Strategies and Control Parameters. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 55-66	15.6	1009
219	An Evolutionary Many-Objective Optimization Algorithm Based on Dominance and Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 694-716	15.6	650
218	Decomposition of a Multiobjective Optimization Problem Into a Number of Simple Multiobjective Subproblems. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 450-455	15.6	503
217	RM-MEDA: A Regularity Model-Based Multiobjective Estimation of Distribution Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 41-63	15.6	473
216	Expensive Multiobjective Optimization by MOEA/D With Gaussian Process Model. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 456-474	15.6	359
215	The performance of a new version of MOEA/D on CEC09 unconstrained MOP test instances 2009 ,		310
214	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 77-99	15.6	272
213	Decomposition-Based Multiobjective Evolutionary Algorithm With an Ensemble of Neighborhood Sizes. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 442-446	15.6	240
212	Adaptive Operator Selection With Bandits for a Multiobjective Evolutionary Algorithm Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 114-130	15.6	236
211	Distributed evolutionary algorithms and their models: A survey of the state-of-the-art. <i>Applied Soft Computing Journal</i> , 2015 , 34, 286-300	7.5	235
210	Stable Matching-Based Selection in Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 909-923	15.6	233
209	A Gaussian Process Surrogate Model Assisted Evolutionary Algorithm for Medium Scale Expensive Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 180-192	15.6	233
208	DE/EDA: A new evolutionary algorithm for global optimization. <i>Information Sciences</i> , 2005 , 169, 249-262	7.7	216
207	MOEA/D-ACO: a multiobjective evolutionary algorithm using decomposition and AntColony. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1845-59	10.2	214

206	A Population Prediction Strategy for Evolutionary Dynamic Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 40-53	10.2	198
205	Enhancing the search ability of differential evolution through orthogonal crossover. <i>Information Sciences</i> , 2012 , 185, 153-177	7.7	182
204	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 821-837	15.6	169
203	Community detection in networks by using multiobjective evolutionary algorithm with decomposition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 4050-4060	3.3	169
202	An orthogonal genetic algorithm for multimedia multicast routing. <i>IEEE Transactions on Evolutionary Computation</i> , 1999 , 3, 53-62	15.6	161
201	Hybridization of decomposition and local search for multiobjective optimization. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1808-20	10.2	156
200	An evolutionary algorithm with guided mutation for the maximum clique problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 192-200	15.6	154
199	Adaptive Replacement Strategies for MOEA/D. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 474-86	10.2	151
198	Approximating the Set of Pareto-Optimal Solutions in Both the Decision and Objective Spaces by an Estimation of Distribution Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 1167-1189	15.6	149
197	On the convergence of a class of estimation of distribution algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2004 , 8, 127-136	15.6	148
196	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 508-523	15.6	147
195	Are All the Subproblems Equally Important? Resource Allocation in Decomposition-Based Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 52-64	15.6	108
194	On Tchebycheff Decomposition Approaches for Multiobjective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 226-244	15.6	103
193	Interrelationship-Based Selection for Decomposition Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2076-88	10.2	100
192	Constrained Subproblems in a Decomposition-Based Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 475-480	15.6	99
191	Push and pull search for solving constrained multi-objective optimization problems. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 665-679	9.8	99
190	A multi-objective evolutionary algorithm for the deployment and power assignment problem in wireless sensor networks. <i>Computer Networks</i> , 2010 , 54, 960-976	5.4	92
189	Biased Multiobjective Optimization and Decomposition Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 52-66	10.2	85

188	Comparison between MOEA/D and NSGA-III on a set of novel many and multi-objective benchmark problems with challenging difficulties. <i>Swarm and Evolutionary Computation</i> , 2019 , 46, 104-117	9.8	85
187	Adaptively Allocating Search Effort in Challenging Many-Objective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 433-448	15.6	85
186	Prediction-Based Population Re-initialization for Evolutionary Dynamic Multi-objective Optimization 2007 , 832-846		85
185	A Survey on Cooperative Co-Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 421-441	15.6	84
184	Decomposition-Based-Sorting and Angle-Based-Selection for Evolutionary Multiobjective and Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2824-2837	10.2	82
183	A Self-Organizing Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 792-806	15.6	79
182	Global path planning of wheeled robots using multi-objective memetic algorithms. <i>Integrated Computer-Aided Engineering</i> , 2015 , 22, 387-404	5.2	70
181	A multi-fidelity surrogate-model-assisted evolutionary algorithm for computationally expensive optimization problems. <i>Journal of Computational Science</i> , 2016 , 12, 28-37	3.4	67
180	Hybrid estimation of distribution algorithm for global optimization. <i>Engineering Computations</i> , 2004 , 21, 91-107	1.4	67
179	Combining Model-based and Genetics-based Offspring Generation for Multi-objective Optimization Using a Convergence Criterion		62
178	On the use of two reference points in decomposition based multiobjective evolutionary algorithms. <i>Swarm and Evolutionary Computation</i> , 2017 , 34, 89-102	9.8	55
177	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 361-375	15.6	51
176	An intelligent multi-restart memetic algorithm for box constrained global optimisation. <i>Evolutionary Computation</i> , 2013 , 21, 107-47	4.3	50
175	A Self-guided Genetic Algorithm for permutation flowshop scheduling problems. <i>Computers and Operations Research</i> , 2012 , 39, 1450-1457	4.6	49
174	On stability of fixed points of limit models of univariate marginal distribution algorithm and factorized distribution algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2004 , 8, 80-93	15.6	49
173	An Estimation of Distribution Algorithm With Cheap and Expensive Local Search Methods. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 807-822	15.6	48
172	A Constrained Decomposition Approach With Grids for Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 564-577	15.6	48
171	A Two-Stage Multiobjective Evolutionary Algorithm for Multiobjective Multidepot Vehicle Routing Problem With Time Windows. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2467-2478	10.2	48

170	MOEA/D with NBI-style Tchebycheff approach for portfolio management 2010 ,		48
169	A Self-Adaptive Differential Evolution Algorithm for Scheduling a Single Batch-Processing Machine With Arbitrary Job Sizes and Release Times. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1430-1442	10.2	45
168	Learning to Decompose: A Paradigm for Decomposition-Based Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 376-390	15.6	43
167	Interactive MOEA/D for multi-objective decision making 2011 ,		42
166	Matching-Based Selection With Incomplete Lists for Decomposition Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 554-568	15.6	40
165	A multiobjective optimization based framework to balance the global exploration and local exploitation in expensive optimization. <i>Journal of Global Optimization</i> , 2015 , 61, 677-694	1.5	40
164	MOEA/D for constrained multiobjective optimization: Some preliminary experimental results 2010 ,		39
163	MOEA/D for flowshop scheduling problems 2008 ,		39
162	Energy-aware topology control for wireless sensor networks using memetic algorithms. <i>Computer Communications</i> , 2007 , 30, 2753-2764	5.1	38
161	On the discrete-time dynamics of a PCA learning algorithm. <i>Neurocomputing</i> , 2003 , 55, 761-769	5.4	38
160	Comparison between MOEA/D and NSGA-II on the Multi-Objective Travelling Salesman Problem. <i>Studies in Computational Intelligence</i> , 2009 , 309-324	0.8	37
159	Evolutionary Many-Objective Optimization Based on Adversarial Decomposition. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 753-764	10.2	37
158	A Constrained Multiobjective Evolutionary Algorithm With Detect-and-Escape Strategy. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 938-947	15.6	35
157	A Grid Weighted Sum Pareto Local Search for Combinatorial Multi and Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3586-3598	10.2	33
156	Identification of multi-resolution network structures with multi-objective immune algorithm. <i>Applied Soft Computing Journal</i> , 2013 , 13, 1705-1717	7.5	33
155	Efficient Nondomination Level Update Method for Steady-State Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2838-2849	10.2	33
154	An Efficient Evolutionary Algorithm for Chance-Constrained Bi-Objective Stochastic Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 786-796	15.6	32
153	Guidelines for developing effective Estimation of Distribution Algorithms in solving single machine scheduling problems. <i>Expert Systems With Applications</i> , 2010 , 37, 6441-6451	7.8	32

152	Regularity Model for Noisy Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1997-2009	31
151	A class of learning algorithms for principal component analysis and minor component analysis. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 529-33	30
150	Decomposition-Based Multiobjective Optimization for Constrained Evolutionary Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 574-587	7.3 30
149	A Multiobjective Differential Evolution Based on Decomposition for Multiobjective Optimization with Variable Linkages. <i>Lecture Notes in Computer Science</i> , 2006 , 583-592	0.9 29
148	A Simple Yet Efficient Evolution Strategy for Large-Scale Black-Box Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 637-646	15.6 28
147	An Evolutionary Algorithm to a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks 2008 ,	28
146	Difficulty Adjustable and Scalable Constrained Multiobjective Test Problem Toolkit. <i>Evolutionary Computation</i> , 2020 , 28, 339-378	4.3 27
145	Investigating the Properties of Indicators and an Evolutionary Many-Objective Algorithm Using Promising Regions. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 75-86	15.6 26
144	A Two-Phase Evolutionary Approach for Compressive Sensing Reconstruction. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2651-2663	10.2 25
143	Evolutionary algorithms refining a heuristic: a hybrid method for shared-path protections in WDM networks under SRLG constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 51-61	25
142	A Preference-Based Multiobjective Evolutionary Approach for Sparse Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1716-1731	10.3 24
141	A Generator for Multiobjective Test Problems With Difficult-to-Approximate Pareto Front Boundaries. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 556-571	15.6 24
140	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 485-498	15.6 23
139	Multiobjective differential evolution algorithm based on decomposition for a type of multiobjective bilevel programming problems. <i>Knowledge-Based Systems</i> , 2016 , 107, 271-288	7.3 23
138	Combinations of estimation of distribution algorithms and other techniques. <i>International Journal of Automation and Computing</i> , 2007 , 4, 273-280	3.5 23
137	Hybrid Estimation of Distribution Algorithm for Multiobjective Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 145-154	0.9 23
136	Dynamical system for computing the eigenvectors associated with the largest eigenvalue of a positive definite matrix. <i>IEEE Transactions on Neural Networks</i> , 1995 , 6, 790-1	22
135	Framework for Many-Objective Test Problems with Both Simple and Complicated Pareto-Set Shapes. <i>Lecture Notes in Computer Science</i> , 2011 , 197-211	0.9 21

134	A new learning-based adaptive multi-objective evolutionary algorithm. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 304-319	9.8	21
133	Enhanced particle swarm optimization based on principal component analysis and line search. <i>Applied Mathematics and Computation</i> , 2014 , 229, 440-456	2.7	20
132	A surrogate-assisted evolutionary algorithm for minimax optimization 2010 ,		20
131	A class of learning algorithms for principal component analysis and minor component analysis. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 200-4		20
130	A replacement strategy for balancing convergence and diversity in MOEA/D 2014 ,		19
129	2012 ,		19
128	Problem Specific MOEA/D for Barrier Coverage with Wireless Sensors. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3854-3865	10.2	19
127	Balancing exploration and exploitation in multiobjective evolutionary optimization. <i>Information Sciences</i> , 2019 , 497, 129-148	7.7	18
126	An enhanced MOEA/D-DE and its application to multiobjective analog cell sizing 2010 ,		18
125	A decomposition-based multi-objective Particle Swarm Optimization algorithm for continuous optimization problems 2008 ,		18
124	Estimation of Distribution Algorithm with 2-opt Local Search for the Quadratic Assignment Problem. <i>Studies in Fuzziness and Soft Computing</i> , 2006 , 281-292	0.7	18
123	Approximating Hypervolume and Hypervolume Contributions Using Polar Coordinate. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 913-918	15.6	17
122	2008 ,		17
121	Meta-Heuristic Combining Prior Online and Offline Information for the Quadratic Assignment Problem. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 429-44	10.2	16
120	Adaptive Epsilon dominance in decomposition-based multiobjective evolutionary algorithm. <i>Swarm and Evolutionary Computation</i> , 2019 , 45, 52-67	9.8	16
119	Machine learning based decision support for many-objective optimization problems. <i>Neurocomputing</i> , 2014 , 146, 30-47	5.4	15
118	On the use of random weights in MOEA/D 2015 ,		15
117	Multiobjective Memetic Algorithms. <i>Studies in Computational Intelligence</i> , 2012 , 201-217	0.8	15

116	Multi-objective mobile agent-based Sensor Network Routing using MOEA/D 2010 ,		15
115	An Effective Ensemble Framework for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 645-659	15.6	15
114	Evolution strategies for continuous optimization: A survey of the state-of-the-art. <i>Swarm and Evolutionary Computation</i> , 2020 , 56, 100694	9.8	15
113	Optimizing online recurring promotions for dual-channel retailers: Segmented markets with multiple objectives. <i>European Journal of Operational Research</i> , 2018 , 267, 612-627	5.6	15
112	Behavioral study of the surrogate model-aware evolutionary search framework 2014 ,		14
111	Multi-objective evolutionary methods for channel selection in Brain-Computer Interfaces: Some preliminary experimental results 2010 ,		14
110	A multiobjective evolutionary algorithm based on decomposition with normal boundary intersection for traffic grooming in optical networks. <i>Information Sciences</i> , 2014 , 289, 91-116	7.7	13
109	Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy 2014 ,		13
108	A model-based evolutionary algorithm for bi-objective optimization		13
107	Multi-View Spectral Clustering Tailored Tensor Low-Rank Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	13
106	Fitness Modeling With Markov Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 862-879	9.6	12
105	Adaptive weights generation for decomposition-based multi-objective optimization using Gaussian process regression 2017 ,		12
104	MOEA/D-DRA with two crossover operators 2010 ,		12
103	On the limits of effectiveness in estimation of distribution algorithms 2011 ,		12
102	An estimation of distribution algorithm with guided mutation for a complex flow shop scheduling problem 2007 ,		12
101	Energy function for the one-unit Oja algorithm. <i>IEEE Transactions on Neural Networks</i> , 1995 , 6, 1291-3		12
100	Distribution of Computational Effort in Parallel MOEA/D. <i>Lecture Notes in Computer Science</i> , 2011 , 488-502		12
99	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 541-555	15.6	11

98	Structure learning and optimisation in a Markov-network based estimation of distribution algorithm 2009 ,		11
97	An evolutionary multi-objective optimization framework of discretization-based feature selection for classification. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100770	9.8	11
96	Decomposition Based Evolutionary Algorithm with a Dual Set of reference vectors 2017 ,		10
95	Improving geodesic distance estimation based on locally linear assumption. <i>Pattern Recognition Letters</i> , 2008 , 29, 862-870	4.7	10
94	Multiobjective evolutionary algorithm based on decomposition for 3-objective optimization problems with objectives in different scales. <i>Soft Computing</i> , 2015 , 19, 157-166	3.5	9
93	Radial Basis Function Assisted Optimization Method with Batch Infill Sampling Criterion for Expensive Optimization 2019 ,		9
92	MOEA/D with Tabu Search for multiobjective permutation flow shop scheduling problems 2014 ,		9
91	Enhancing MOEA/D with guided mutation and priority update for multi-objective optimization 2009 ,		9
90	Global multiobjective optimization via estimation of distribution algorithm with biased initialization and crossover 2007 ,		9
89	On the Performance of Metamodel Assisted MOEA/D 2007 , 547-557		9
88	Variable-Length Pareto Optimization via Decomposition-Based Evolutionary Multiobjective Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 987-999	15.6	9
87	The Collaborative Local Search Based on Dynamic-Constrained Decomposition With Grids for Combinatorial Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2639-2650	10.2	9
86	Evolutionary Deep Fusion Method and its Application in Chemical Structure Recognition. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 883-893	15.6	9
85	Combination of EDA and DE for continuous biobjective optimization 2008 ,		8
84	A HYBRID ESTIMATION OF DISTRIBUTION ALGORITHM FOR CDMA CELLULAR SYSTEM DESIGN. <i>International Journal of Computational Intelligence and Applications</i> , 2008 , 07, 187-200	1.2	8
83	Iterated Local Search with Guided Mutation		8
82	On the convergence of a factorized distribution algorithm with truncation selection. <i>Complexity</i> , 2004 , 9, 17-23	1.6	8
81	Pareto Adaptive Scalarising Functions for Decomposition Based Algorithms. <i>Lecture Notes in Computer Science</i> , 2015 , 248-262	0.9	8

80	Solving Nonlinear Equation Systems by a Two-Phase Evolutionary Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	8
79	PPLS/D: Parallel Pareto Local Search Based on Decomposition. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1060-1071	10.2	8
78	Combining Simple and Adaptive Monte Carlo Methods for Approximating Hypervolume. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 896-907	15.6	7
77	Approximation Model Guided Selection for Evolutionary Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2013 , 398-412	0.9	7
76	Population-Based Guided Local Search: Some preliminary experimental results 2010 ,		7
75	Multi-objective Optimization of Barrier Coverage with Wireless Sensors. <i>Lecture Notes in Computer Science</i> , 2015 , 557-572	0.9	7
74	MOEA/D with Iterative Thresholding Algorithm for Sparse Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2012 , 93-101	0.9	7
73	2016 ,		7
72	A multi-phase multiobjective approach based on decomposition for sparse reconstruction 2016 ,		7
71	A Three-Level Radial Basis Function Method for Expensive Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	7
70	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	7
69	Cooperative Multiobjective Evolutionary Algorithm With Propulsive Population for Constrained Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-16	7.3	7
68	Performance Analysis of Evolutionary Algorithms for Steiner Tree Problems. <i>Evolutionary Computation</i> , 2017 , 25, 707-723	4.3	6
67	MOEA/D With Linear Programming for Double Row Layout Problem With Center-Islands. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3549-3561	10.2	6
66	A Multiutility Framework With Application for Studying Tradeoff Between Utility and Lifetime in Wireless Sensor Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4701-4711	6.8	6
65	A new replica placement strategy based on multi-objective optimisation for HDFS. <i>International Journal of Bio-Inspired Computation</i> , 2020 , 16, 13	2.9	6
64	Modelling the Population Distribution in Multi-objective Optimization by Generative Topographic Mapping. <i>Lecture Notes in Computer Science</i> , 2006 , 443-452	0.9	6
63	Adjustment of Weight Vectors of Penalty-Based Boundary Intersection Method in MOEA/D. <i>Lecture Notes in Computer Science</i> , 2019 , 91-100	0.9	5

62	MOEA/D with guided local search: Some preliminary experimental results 2013 ,		5
61	Balancing Convergence and Diversity by Using Two Different Reproduction Operators in MOEA/D: Some Preliminary Work 2015 ,		5
60	Two-Level Stable Matching-Based Selection in MOEA/D 2015 ,		5
59	2012 ,		5
58	Deep Amended Gradient Descent for Efficient Spectral Reconstruction From Single RGB Images. <i>IEEE Transactions on Computational Imaging</i> , 2021 , 1-1	4.5	5
57	Structure Learning and Optimisation in a Markov Network Based Estimation of Distribution Algorithm. <i>Adaptation, Learning, and Optimization</i> , 2010 , 45-69	0.7	5
56	Network Topology Planning Using MOEA/D with Objective-Guided Operators. <i>Lecture Notes in Computer Science</i> , 2012 , 62-71	0.9	5
55	Effect of Objective Normalization and Penalty Parameter on Penalty Boundary Intersection Decomposition-Based Evolutionary Many-Objective Optimization Algorithms. <i>Evolutionary Computation</i> , 2021 , 29, 157-186	4.3	5
54	Balancing exploration and exploitation in multiobjective evolutionary optimization 2018 ,		4
53	A Subproblem-dependent Heuristic in MOEA/D for the Deployment and Power Assignment Problem in Wireless Sensor Networks 2009 ,		4
52	Errata to BM-MEDA: A Regularity Model-Based Multiobjective Estimation of Distribution Algorithm [Feb 08 41-63]. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 392-392	15.6	4
51	Multi-objective Local Search Based on Decomposition. <i>Lecture Notes in Computer Science</i> , 2016 , 431-441	0.9	4
50	EB-GLS: an improved guided local search based on the big valley structure. <i>Memetic Computing</i> , 2018 , 10, 333-350	3.4	4
49	Wiggly Parallel-Coupled Line Design by Using Multiobjective Evolutionary Algorithm. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 648-650	2.6	4
48	Spatio-temporal data evolutionary clustering based on MOEA/D 2011 ,		3
47	On the Combined Impact of Population Size and Sub-problem Selection in MOEA/D. <i>Lecture Notes in Computer Science</i> , 2020 , 131-147	0.9	3
46	Using Parallel Strategies to Speed up Pareto Local Search. <i>Lecture Notes in Computer Science</i> , 2017 , 62-74	0.9	3
45	Modeling Regularity to Improve Scalability of Model-Based Multiobjective Optimization Algorithms 2008 , 331-355		3

44	A cone order sequence based multi-objective evolutionary algorithm 2016 ,		2
43	Hybridisation of decomposition and GRASP for combinatorial multiobjective optimisation 2014 ,		2
42	An efficient batch expensive multi-objective evolutionary algorithm based on Decomposition 2017 ,		2
41	A cooperative approach between metaheuristic and branch-and-price for the team orienteering problem with time windows 2014 ,		2
40	Fuzzy clustering based Gaussian Process Model for large training set and its application in expensive evolutionary optimization 2009 ,		2
39	P-GLS-II 2011 ,		2
38	A simplified ICA based denoising method 2000 ,		2
37	Population optimization algorithm based on ICA		2
36	Convergence of a Hebbian-type learning algorithm. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1998 , 45, 1599-1601		2
35	Evolutionary Competitive Multitasking Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	2
34	Self-Guided Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2008 , 292-299	0.9	2
33	Adaptive patch-based sparsity estimation for image via MOEA/D 2016 ,		2
32	Maximum Entropy Subspace Clustering Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	2
31	Parallel pareto local search revisited 2018 ,		1
30	MOEA/D with Two Types of Weight Vectors for Handling Constraints 2019 ,		1
29	Decomposition multi-objective optimisation 2019 ,		1
28	MOEA/D for traffic grooming in WDM optical networks 2013 ,		1
27	An efficient rank-1 update for Cholesky CMA-ES using auxiliary evolution path 2017 ,		1

26	An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization 2014 ,		1
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