

# Xin Yao

## List of Publications by Year in descending order

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689  
papers

42,891  
citations

3731

89  
h-index

3579

181  
g-index

715  
all docs

715  
docs citations

715  
times ranked

19266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gridless Evolutionary Approach for Line Spectral Estimation With Unknown Model Order. IEEE Transactions on Cybernetics, 2024, 54, 935-947.	9.5	0
2	Recidivism early warning model based on rough sets and the improved K-prototype clustering algorithm and a back propagation neural network. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 839-851.	4.9	1
3	Reinforcement Learning With Dual-Observation for General Video Game Playing. IEEE Transactions on Games, 2023, 15, 202-216.	1.4	0
4	Evolutionary Dynamic Multi-objective Optimisation: A Survey. ACM Computing Surveys, 2023, 55, 1-47.	23.0	20
5	Knowledge Transfer Genetic Programming With Auxiliary Population for Solving Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2023, 27, 311-325.	10.0	1
6	The vision of self-evolving computing systems. Journal of Integrated Design and Process Science, 2023, 26, 351-367.	0.5	4
7	Robust Optimization Over Time by Estimating Robustness of Promising Regions. IEEE Transactions on Evolutionary Computation, 2023, 27, 657-670.	10.0	3
8	Generative Adversarial Construction of Parallel Portfolios. IEEE Transactions on Cybernetics, 2022, 52, 784-795.	9.5	19
9	NGA-Inspired Nanorobots-Assisted Detection of Multifocal Cancer. IEEE Transactions on Cybernetics, 2022, 52, 2787-2797.	9.5	11
10	Benchmarking Continuous Dynamic Optimization: Survey and Generalized Test Suite. IEEE Transactions on Cybernetics, 2022, 52, 3380-3393.	9.5	20
11	How to Evaluate Solutions in Pareto-Based Search-Based Software Engineering: A Critical Review and Methodological Guidance. IEEE Transactions on Software Engineering, 2022, 48, 1771-1799.	5.6	22
12	<i>In Vivo</i> Computing Strategies for Tumor Sensitization and Targeting. IEEE Transactions on Cybernetics, 2022, 52, 4970-4980.	9.5	8
13	Dynamic Optimization in Fast-Changing Environments via Offline Evolutionary Search. IEEE Transactions on Evolutionary Computation, 2022, 26, 431-445.	10.0	4
14	Genetic Programming With Niching for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 73-87.	10.0	18
15	Internal combustion engine calibration using optimization algorithms. Applied Energy, 2022, 305, 117894.	10.1	14
16	Posterior Decision Making Based on Decomposition-Driven Knee Point Identification. IEEE Transactions on Evolutionary Computation, 2022, 26, 1409-1423.	10.0	2
17	A Review of Population-Based Metaheuristics for Large-Scale Black-Box Global Optimizationâ€”Part I. IEEE Transactions on Evolutionary Computation, 2022, 26, 802-822.	10.0	27
18	A Review of Population-Based Metaheuristics for Large-Scale Black-Box Global Optimizationâ€”Part II. IEEE Transactions on Evolutionary Computation, 2022, 26, 823-843.	10.0	22

#	ARTICLE	IF	CITATIONS
19	Region-Focused Memetic Algorithms With Smart Initialization for Real-World Large-Scale Waste Collection Problems. IEEE Transactions on Evolutionary Computation, 2022, 26, 704-718.	10.0	9
20	A Novel Generalized Metaheuristic Framework for Dynamic Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2022, 26, 1486-1500.	10.0	6
21	Online algorithm configuration for differential evolution algorithm. Applied Intelligence, 2022, 52, 9193-9211.	5.3	2
22	An Efficient Surrogate Assisted Particle Swarm Optimization for Antenna Synthesis. IEEE Transactions on Antennas and Propagation, 2022, 70, 4977-4984.	5.1	13
23	Adaptive Memory-Enhanced Time Delay Reservoir and its Memristive Implementation. IEEE Transactions on Computers, 2022, 71, 2766-2777.	3.4	6
24	Adaptive multiobjective evolutionary algorithm for large-scale transformer ratio error estimation. Memetic Computing, 2022, 14, 237-251.	4.0	1
25	What makes the dynamic capacitated Arc routing problem hard to solve. , 2022, , .		2
26	Reproducibility and baseline reporting for dynamic multi-objective benchmark problems. , 2022, , .		3
27	Consensus Learning for Distributed Fuzzy Neural Network in Big Data Environment. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 29-41.	4.9	10
28	Analysis of Noisy Evolutionary Optimization When Sampling Fails. Algorithmica, 2021, 83, 940-975.	1.3	7
29	Symbolic Sequence Classification in the Fractal Space. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 168-177.	4.9	10
30	An Efficient Recursive Differential Grouping for Large-Scale Continuous Problems. IEEE Transactions on Evolutionary Computation, 2021, 25, 159-171.	10.0	46
31	Uncertainty analysis of wind power probability density forecasting based on cubic spline interpolation and support vector quantile regression. Neurocomputing, 2021, 430, 121-137.	5.9	53
32	Nanorobots-Assisted Natural Computation for Multifocal Tumor Sensitization and Targeting. IEEE Transactions on Nanobioscience, 2021, 20, 154-165.	3.3	11
33	Discriminative Learning in the Model Space for Symbolic Sequence Classification. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 154-167.	4.9	4
34	Feature Creation Towards the Detection of Non-control-Flow Hijacking Attacks. Lecture Notes in Computer Science, 2021, , 153-164.	1.3	0
35	Fairer Machine Learning Through Multi-objective Evolutionary Learning. Lecture Notes in Computer Science, 2021, , 111-123.	1.3	7
36	Hierarchical Reduced-space Drift Detection Framework for Multivariate Supervised Data Streams. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1

#	ARTICLE	IF	CITATIONS
37	Robust Optimization in Uncertain Capacitated Arc Routing Problems: Progresses and Perspectives [Review Article]. IEEE Computational Intelligence Magazine, 2021, 16, 63-82.	3.2	13
38	Cooperative Coevolution-based Design Space Exploration for Multi-mode Dataflow Mapping. Transactions on Embedded Computing Systems, 2021, 20, 1-25.	2.9	2
39	Memetic algorithm with non-smooth penalty for capacitated arc routing problem. Knowledge-Based Systems, 2021, 220, 106957.	7.1	10
40	Few-Shots Parallel Algorithm Portfolio Construction via Co-Evolution. IEEE Transactions on Evolutionary Computation, 2021, 25, 595-607.	10.0	23
41	Enhanced Constraint Handling for Reliability-Constrained Multiobjective Testing Resource Allocation. IEEE Transactions on Evolutionary Computation, 2021, 25, 537-551.	10.0	18
42	Exploiting Linear Interpolation of Variational Autoencoders for Satisfying Preferences in Evolutionary Design Optimization. , 2021, , .		2
43	When non-elitism meets time-linkage problems. , 2021, , .		6
44	Adaptive Differential Evolution based on Exploration and Exploitation Control. , 2021, , .		0
45	Artificial Neural Networks as Feature Extractors in Continuous Evolutionary Optimization. , 2021, , .		2
46	Parallel exploration via negatively correlated search. Frontiers of Computer Science, 2021, 15, 1.	2.4	9
47	Interpreting Node Embedding with Text-labeled Graphs. , 2021, , .		0
48	Surrogate models in evolutionary single-objective optimization: A new taxonomy and experimental study. Information Sciences, 2021, 562, 414-437.	6.9	46
49	Neural Architecture Search Based on Evolutionary Algorithms with Fitness Approximation. , 2021, , .		4
50	A hybrid local search framework for the dynamic capacitated arc routing problem. , 2021, , .		8
51	Analysis of evolutionary algorithms on fitness function with time-linkage property (hot-off-the-press) Tj ETQq1 1 0.784314 rgBT /Over		
52	A Survey of Evolutionary Continuous Dynamic Optimization Over Two Decadesâ€”Part A. IEEE Transactions on Evolutionary Computation, 2021, 25, 609-629.	10.0	45
53	Exponential evolution mechanism for in vivo computation. Swarm and Evolutionary Computation, 2021, 65, 100931.	8.1	8
54	A Survey of Evolutionary Continuous Dynamic Optimization Over Two Decadesâ€”Part B. IEEE Transactions on Evolutionary Computation, 2021, 25, 630-650.	10.0	48

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55	Analysis of Evolutionary Algorithms on Fitness Function With Time-Linkage Property. IEEE Transactions on Evolutionary Computation, 2021, 25, 696-709.	10.0	8
56	Memetic search for vehicle routing with simultaneous pickup-delivery and time windows. Swarm and Evolutionary Computation, 2021, 66, 100927.	8.1	26
57	Operator-Adapted Evolutionary Large-Scale Multiobjective Optimization for Voltage Transformer Ratio Error Estimation. Lecture Notes in Computer Science, 2021, , 672-683.	1.3	1
58	Early Warning of Incipient Faults for Power Transformer Based on DGA Using a Two-Stage Feature Extraction Technique. IEEE Transactions on Power Delivery, 2021, , 1-1.	4.3	1
59	Power transformer fault diagnosis considering data imbalance and data set fusion. High Voltage, 2021, 6, 543-554.	4.7	25
60	Multiobjective bilevel evolutionary approach for off-grid direction-of-arrival estimation. Applied Soft Computing Journal, 2021, 113, 107954.	7.2	1
61	Adaptive Initialization Method for K-Means Algorithm. Frontiers in Artificial Intelligence, 2021, 4, 740817.	3.4	7
62	Exploiting Generative Models for Performance Predictions of 3D Car Designs. , 2021, , .		3
63	Bi-Objective Splitting Delivery VRP with Loading Constraints and Restricted Access. , 2021, , .		1
64	Predicting CMA-ES Operators as Inductive Biases for Shape Optimization Problems. , 2021, , .		0
65	Quality Evaluation of Solution Sets in Multiobjective Optimisation. ACM Computing Surveys, 2020, 52, 1-38.	23.0	198
66	A Task-Oriented Heuristic for Repairing Infeasible Solutions to Overlapping Coalition Structure Generation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 785-801.	9.3	1
67	Ensemble of Classifiers Based on Multiobjective Genetic Sampling for Imbalanced Data. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1104-1115.	5.7	48
68	Objective reduction for visualising many-objective solution sets. Information Sciences, 2020, 512, 278-294.	6.9	10
69	Toward Efficient Design Space Exploration for Fault-Tolerant Multiprocessor Systems. IEEE Transactions on Evolutionary Computation, 2020, 24, 157-169.	10.0	8
70	Can I Park in the City Center? Predicting Car Park Occupancy Rates in Smart Cities. Journal of Urban Technology, 2020, 27, 27-41.	4.7	12
71	Scaling Up Dynamic Optimization Problems: A Divide-and-Conquer Approach. IEEE Transactions on Evolutionary Computation, 2020, 24, 1-15.	10.0	48
72	Multi-objective redundancy hardening with optimal task mapping for independent tasks on multi-cores. Soft Computing, 2020, 24, 981-995.	3.6	1

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73	A Survey of Automatic Parameter Tuning Methods for Metaheuristics. IEEE Transactions on Evolutionary Computation, 2020, 24, 201-216.	10.0	185
74	In Vivo Computation for Tumor Sensitization and Targeting at Different Tumor Growth Stages. , 2020, , .		0
75	Synergizing Domain Expertise With Self-Awareness in Software Systems: A Patternized Architecture Guideline. Proceedings of the IEEE, 2020, 108, 1094-1126.	21.3	9
76	Computational Study on Effectiveness of Knowledge Transfer in Dynamic Multi-objective Optimization. , 2020, , .		3
77	Online Parameter Tuned SAHiD Algorithm for Capacitated Arc Routing Problems. , 2020, , .		0
78	Representing Experience in Continuous Evolutionary optimisation through Problem-tailored Search Operators. , 2020, , .		3
79	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.	10.0	36
80	What Weights Work for You? Adapting Weights for Any Pareto Front Shape in Decomposition-Based Evolutionary Multiobjective Optimisation. Evolutionary Computation, 2020, 28, 227-253.	3.0	81
81	Kernel truncated regression representation for robust subspace clustering. Information Sciences, 2020, 524, 59-76.	6.9	15
82	On Performance Estimation in Automatic Algorithm Configuration. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2384-2391.	4.9	8
83	Evolutionary Large-Scale Multiobjective Optimization for Ratio Error Estimation of Voltage Transformers. IEEE Transactions on Evolutionary Computation, 2020, 24, 868-881.	10.0	59
84	Towards Novel Meta-heuristic Algorithms for Dynamic Capacitated Arc Routing Problems. Lecture Notes in Computer Science, 2020, , 428-440.	1.3	5
85	A Hybrid Evolutionary Algorithm for Reliable Facility Location Problem. Lecture Notes in Computer Science, 2020, , 454-467.	1.3	3
86	D-MAENS2: A Self-adaptive D-MAENS Algorithm with Better Decision Diversity. , 2020, , .		2
87	Many-Objective Test Suite Generation for Software Product Lines. ACM Transactions on Software Engineering and Methodology, 2020, 29, 1-46.	6.0	12
88	An Extendable Platform for Routing Problem: Optimisation, Evaluation and Solution Visualisation. , 2020, , .		0
89	Responsive Multi-population Models for the Dynamic Travelling Thief Problem. , 2020, , .		0
90	Quantifying The Generative Capabilities Of Variational Autoencoders For 3D Car Point Clouds. , 2020, , .		12

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91	A Survey and Taxonomy of Self-Aware and Self-Adaptive Cloud Autoscaling Systems. ACM Computing Surveys, 2019, 51, 1-40.	23.0	66
92	Two-Archive Evolutionary Algorithm for Constrained Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 303-315.	10.0	285
93	Model-based computational intelligence multi-objective optimization for gasoline direct injection engine calibration. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 1391-1402.	1.9	9
94	Surrogate-Assisted Expensive Many-Objective Optimization by Model Fusion. , 2019, , .		5
95	Lightweight Evolution Strategies for Nanoswimmers-oriented In Vivo Computation. , 2019, , .		10
96	Voronoi-based Efficient Surrogate-assisted Evolutionary Algorithm for Very Expensive Problems. , 2019, , .		17
97	A hybrid clustering and evolutionary approach for wireless underground sensor network lifetime maximization. Information Sciences, 2019, 504, 372-393.	6.9	21
98	Maximizing submodular or monotone approximately submodular functions by multi-objective evolutionary algorithms. Artificial Intelligence, 2019, 275, 279-294.	5.8	24
99	A Parallel Divide-and-Conquer-Based Evolutionary Algorithm for Large-Scale Optimization. IEEE Access, 2019, 7, 163105-163118.	4.2	30
100	Automatic Construction of Parallel Portfolios via Explicit Instance Grouping. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1560-1567.	4.9	14
101	Automatic Parameter Tuning using Bayesian Optimization Method. , 2019, , .		13
102	Algorithm portfolio for individual-based surrogate-assisted evolutionary algorithms. , 2019, , .		4
103	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. IEEE Transactions on Evolutionary Computation, 2019, 23, 949-961.	10.0	181
104	Evolutionary Generative Adversarial Networks. IEEE Transactions on Evolutionary Computation, 2019, 23, 921-934.	10.0	196
105	Standing on the shoulders of giants: Seeding search-based multi-objective optimization with prior knowledge for software service composition. Information and Software Technology, 2019, 114, 155-175.	4.4	18
106	Learning from data streams and class imbalance. Connection Science, 2019, 31, 103-104.	3.0	7
107	Probabilistic Feature Selection and Classification Vector Machine. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-27.	3.5	28
108	Learning Time-Series Data of Industrial Design Optimization using Recurrent Neural Networks. , 2019, , .		3

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109	Optimal Evolutionary Optimization Hyper-parameters to Mimic Human User Behavior. , 2019, , .		0
110	Learning Topological Representation for Networks via Hierarchical Sampling. , 2019, , .		14
111	Learning Transferable Variation Operators in a Continuous Genetic Algorithm. , 2019, , .		3
112	Algorithm Portfolio for Parameter Tuned Evolutionary Algorithms. , 2019, , .		0
113	Adaptive-SAHID Algorithm for Capacitated Arc Routing Problems. , 2019, , .		1
114	DIDD: Identifying and Learning New Conceptual Data with Lower Diversity. , 2019, , .		0
115	Domination-Based Ordinal Regression for Expensive Multi-Objective Optimization. , 2019, , .		10
116	A Simple Yet Effective Approach to Robust Optimization Over Time. , 2019, , .		2
117	Self-adaptive Decomposition and Incremental Hyperparameter Tuning Across Multiple Problems. , 2019, , .		3
118	Bandit-based cooperative coevolution for tackling contribution imbalance in large-scale optimization problems. Applied Soft Computing Journal, 2019, 76, 265-281.	7.2	18
119	Hydrodynamic coefficients identification of pitch and heave using multi-objective evolutionary algorithm. Ocean Engineering, 2019, 171, 33-48.	4.3	9
120	A Scalable Indicator-Based Evolutionary Algorithm for Large-Scale Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 525-537.	10.0	96
121	Interactive Decomposition Multiobjective Optimization Via Progressively Learned Value Functions. IEEE Transactions on Fuzzy Systems, 2019, 27, 849-860.	9.8	27
122	Software Effort Interval Prediction via Bayesian Inference and Synthetic Bootstrap Resampling. ACM Transactions on Software Engineering and Methodology, 2019, 28, 1-46.	6.0	16
123	Solving Transit Network Design Problem Using Many-Objective Evolutionary Approach. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3952-3963.	8.0	15
124	Solving Incremental Optimization Problems via Cooperative Coevolution. IEEE Transactions on Evolutionary Computation, 2019, 23, 762-775.	10.0	11
125	A New Framework for Analysis of Coevolutionary Systemsâ€™Directed Graph Representation and Random Walks. Evolutionary Computation, 2019, 27, 195-228.	3.0	1
126	Multiobjective Learning in the Model Space for Time Series Classification. IEEE Transactions on Cybernetics, 2019, 49, 918-932.	9.5	50



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127	An Empirical Investigation of the Optimality and Monotonicity Properties of Multiobjective Archiving Methods. Lecture Notes in Computer Science, 2019, , 15-26.	1.3	19
128	Rectified Encoder Network for High-Dimensional Imbalanced Learning. Lecture Notes in Computer Science, 2019, , 684-697.	1.3	0
129	Finding the Largest Successful Coalition under the Strict Goal Preferences of Agents. ACM Transactions on Autonomous and Adaptive Systems, 2019, 14, 1-33.	0.8	2
130	Evolutionary Multiobjective Optimization-Based Multimodal Optimization: Fitness Landscape Approximation and Peak Detection. IEEE Transactions on Evolutionary Computation, 2018, 22, 692-706.	10.0	90
131	R-Metric: Evaluating the Performance of Preference-Based Evolutionary Multiobjective Optimization Using Reference Points. IEEE Transactions on Evolutionary Computation, 2018, 22, 821-835.	10.0	65
132	A Systematic Study of Online Class Imbalance Learning With Concept Drift. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4802-4821.	11.3	185
133	Concept Drift Adaptation by Exploiting Historical Knowledge. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4822-4832.	11.3	82
134	Efficient Cluster-Based Boosting for Semisupervised Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5667-5680.	11.3	6
135	SNR-Constrained Heuristics for Optimizing the Scaling Parameter of Robust Audio Watermarking. IEEE Transactions on Multimedia, 2018, 20, 2631-2644.	7.2	29
136	Semisupervised Negative Correlation Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5366-5379.	11.3	16
137	On the Effectiveness of Sampling for Evolutionary Optimization in Noisy Environments. Evolutionary Computation, 2018, 26, 237-267.	3.0	31
138	Turning High-Dimensional Optimization Into Computationally Expensive Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 143-156.	10.0	66
139	Dynamic Multiobjectives Optimization With a Changing Number of Objectives. IEEE Transactions on Evolutionary Computation, 2018, 22, 157-171.	10.0	106
140	Multiline Distance Minimization: A Visualized Many-Objective Test Problem Suite. IEEE Transactions on Evolutionary Computation, 2018, 22, 61-78.	10.0	55
141	Cooperative Co-Evolution-Based Design Optimization: A Concurrent Engineering Perspective. IEEE Transactions on Evolutionary Computation, 2018, 22, 173-188.	10.0	13
142	Computational Intelligence Nonmodel-Based Calibration Approach for Internal Combustion Engines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	10
143	Population Evolvability: Dynamic Fitness Landscape Analysis for Population-Based Metaheuristic Algorithms. IEEE Transactions on Evolutionary Computation, 2018, 22, 550-563.	10.0	35
144	Computing-Inspired Detection of Multiple Cancers. , 2018, , .		2

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145	Integration of Preferences in Decomposition Multiobjective Optimization. IEEE Transactions on Cybernetics, 2018, 48, 3359-3370.	9.5	52
146	A novel automated approach for software effort estimation based on data augmentation. , 2018, , .		10
147	To Adapt or Not to Adapt?. , 2018, , .		19
148	FEMOSAA. ACM Transactions on Software Engineering and Methodology, 2018, 27, 1-50.	6.0	49
149	A critical review of. , 2018, , .		18
150	Changing or keeping solutions in dynamic optimization problems with switching costs. , 2018, , .		17
151	Model-based evolutionary algorithms: a short survey. Complex & Intelligent Systems, 2018, 4, 283-292.	6.5	62
152	On the effects of seeding strategies. , 2018, , .		28
153	Analysis of noisy evolutionary optimization when sampling fails. , 2018, , .		4
154	Interactive ontology matching based on partial reference alignment. Applied Soft Computing Journal, 2018, 72, 355-370.	7.2	41
155	Nadir point estimation for many-objective optimization problems based on emphasized critical regions. Soft Computing, 2017, 21, 2283-2295.	3.6	24
156	A multi-agent evolutionary algorithm for software module clustering problems. Soft Computing, 2017, 21, 3415-3428.	3.6	36
157	Diversity Assessment in Many-Objective Optimization. IEEE Transactions on Cybernetics, 2017, 47, 1510-1522.	9.5	174
158	An iterative pseudo-gap enumeration approach for the Multidimensional Multiple-choice Knapsack Problem. European Journal of Operational Research, 2017, 260, 1-11.	5.7	21
159	Which models of the past are relevant to the present? A software effort estimation approach to exploiting useful past models. Automated Software Engineering, 2017, 24, 499-542.	2.9	19
160	Multiobjective optimization for interwoven systems. Journal of Multi-Criteria Decision Analysis, 2017, 24, 71-81.	1.9	17
161	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.	1.3	6
162	DG2: A Faster and More Accurate Differential Grouping for Large-Scale Black-Box Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 929-942.	10.0	241

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163	A benchmark test suite for evolutionary many-objective optimization. <i>Complex &amp; Intelligent Systems</i> , 2017, 3, 67-81.	6.5	311
164	Predicting Car Park Occupancy Rates in Smart Cities. <i>Lecture Notes in Computer Science</i> , 2017, , 107-117.	1.3	34
165	Parallel population-based algorithm portfolios: An empirical study. <i>Neurocomputing</i> , 2017, 247, 115-125.	5.9	16
166	Efficient Resource Allocation in Cooperative Co-Evolution for Large-Scale Global Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 493-505.	10.0	92
167	How to Read Many-Objective Solution Sets in Parallel Coordinates [Educational Forum]. <i>IEEE Computational Intelligence Magazine</i> , 2017, 12, 88-100.	3.2	83
168	Optimal relay placement for lifetime maximization in wireless underground sensor networks. <i>Information Sciences</i> , 2017, 418-419, 463-479.	6.9	33
169	The Future of Camera Networks. , 2017, , .		11
170	Improvement of Reference Points for Decomposition Based Multi-objective Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2017, , 284-296.	1.3	3
171	Knowledge-based particle swarm optimization for PID controller tuning. , 2017, , .		15
172	Parallel peaks: A visualization method for benchmark studies of multimodal optimization. , 2017, , .		4
173	A Scalable Approach to Capacitated Arc Routing Problems Based on Hierarchical Decomposition. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3928-3940.	9.5	43
174	SaaS for Automated Job Performance Appraisals Using Service Technologies and Big Data Analytics. , 2017, , .		3
175	Touchable Computing: Computing-Inspired Bio-Detection. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 810-821.	3.3	29
176	Touchable computation: Computing-inspired bio-detection. , 2017, , .		3
177	Combining conformal prediction and genetic programming for symbolic interval regression. , 2017, , .		4
178	Memetic algorithm with adaptive local search for Capacitated Arc Routing Problem. , 2017, , .		2
179	A Cluster-Based Semisupervised Ensemble for Multiclass Classification. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017, 1, 408-420.	4.9	19
180	Scalable Graph-Based Semi-Supervised Learning through Sparse Bayesian Model. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017, 29, 2758-2771.	5.7	43

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181	Constraint Handling in NSGA-II for Solving Optimal Testing Resource Allocation Problems. IEEE Transactions on Reliability, 2017, 66, 1193-1212.	4.6	26
182	Adjusting Parallel Coordinates for Investigating Multi-objective Search. Lecture Notes in Computer Science, 2017, , 224-235.	1.3	10
183	Surrogate Model Assisted Multi-objective Differential Evolution Algorithm for Performance Optimization at Software Architecture Level*. Lecture Notes in Computer Science, 2017, , 334-346.	1.3	0
184	On investigation of interdependence between sub-problems of the Travelling Thief Problem. Soft Computing, 2016, 20, 157-172.	3.6	44
185	A Competitive Divide-and-Conquer Algorithm for Unconstrained Large-Scale Black-Box Optimization. ACM Transactions on Mathematical Software, 2016, 42, 1-24.	2.9	172
186	Robust Online Time Series Prediction with Recurrent Neural Networks. , 2016, , .		88
187	Improving the performance of evolutionary engine calibration algorithms with principal component analysis. , 2016, , .		1
188	Search based recommender system using many-objective evolutionary algorithm. , 2016, , .		5
189	A multi-modal optimization approach to single path planning for unmanned aerial vehicle. , 2016, , .		2
190	Dynamic selection of evolutionary operators based on online learning and fitness landscape analysis. Soft Computing, 2016, 20, 3889-3914.	3.6	18
191	Negatively Correlated Search. IEEE Journal on Selected Areas in Communications, 2016, 34, 542-550.	14.0	64
192	Cooperative Co-evolutionary Module Identification with Application to Cancer Disease Module Discovery. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	10.0	21
193	Stochastic Ranking Algorithm for Many-Objective Optimization Based on Multiple Indicators. IEEE Transactions on Evolutionary Computation, 2016, 20, 924-938.	10.0	186
194	Balancing Convergence and Diversity in Decomposition-Based Many-Objective Optimizers. IEEE Transactions on Evolutionary Computation, 2016, 20, 180-198.	10.0	329
195	Speciated Evolutionary Algorithm for Dynamic Constrained Optimisation. Lecture Notes in Computer Science, 2016, , 203-213.	1.3	7
196	An Evolutionary Hyper-heuristic for the Software Project Scheduling Problem. Lecture Notes in Computer Science, 2016, , 37-47.	1.3	14
197	Target shape design optimization by evolving B-splines with cooperative coevolution. Applied Soft Computing Journal, 2016, 48, 672-682.	7.2	20
198	Self-aware Computing: Introduction and Motivation. Natural Computing Series, 2016, , 1-5.	2.2	5

#	ARTICLE	IF	CITATIONS
199	Average Drift Analysis and Population Scalability. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	10.0	1
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