

Yaochu Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

417
papers

17,536
citations

65
h-index

123
g-index

466
ext. papers

22,530
ext. citations

5.9
avg, IF

7.82
L-index

#	Paper	IF	Citations
4 ¹⁷	A Survey on Knee-oriented Multi-objective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	2
4 ¹⁶	Surrogate-assisted evolutionary optimization of expensive many-objective irregular problems. <i>Knowledge-Based Systems</i> , 2022 , 240, 108197	7.3	2
4 ¹⁵	Evolutionary Search for Complete Neural Network Architectures with Partial Weight Sharing. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	2
4 ¹⁴	Evolutionary Large-Scale Multi-Objective Optimization: A Survey. <i>ACM Computing Surveys</i> , 2022 , 54, 1-34	13.4	12
4 ¹³	A fuzzy constraint handling technique for decomposition-based constrained multi- and many-objective optimization. <i>Information Sciences</i> , 2022 , 597, 318-340	7.7	0
4 ¹²	Reference Vector-Assisted Adaptive Model Management for Surrogate-Assisted Many-Objective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-14	7.3	1
4 ¹¹	A Cluster-Based Competitive Particle Swarm Optimizer with a Sparse Truncation Operator for Multi-Objective Optimization. <i>Swarm and Evolutionary Computation</i> , 2022 , 71, 101083	9.8	2
4 ¹⁰	Cooperative Coevolutionary CMA-ES with Landscape-Aware Grouping in Noisy Environments. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	0
4 ⁰⁹	Surrogate-Assisted Evolutionary Q-Learning for Black-Box Dynamic Time-Linkage Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	0
4 ⁰⁸	Information maximization clustering via multi-view self-labelling. <i>Knowledge-Based Systems</i> , 2022 , 1090423	7.3	0
4 ⁰⁷	Transfer Learning Based Co-surrogate Assisted Evolutionary Bi-objective Optimization for Objectives with Non-uniform Evaluation Times. <i>Evolutionary Computation</i> , 2021 , 1-27	4.3	0
4 ⁰⁶	Solution Set Augmentation for Knee Identification in Multiobjective Decision Analysis. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
4 ⁰⁵	PIVODL: Privacy-preserving vertical federated learning over distributed labels. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	1
4 ⁰⁴	Hybrid attention-based transformer block model for distant supervision relation extraction. <i>Neurocomputing</i> , 2021 , 470, 29-29	5.4	3
4 ⁰³	An interpretable deep neural network for colorectal polyp diagnosis under colonoscopy. <i>Knowledge-Based Systems</i> , 2021 , 234, 107568	7.3	1
4 ⁰²	Fault-tolerant Adaptive Tracking Control of Euler-Lagrange Systems [An Echo State Network Approach Driven by Reinforcement Learning. <i>Neurocomputing</i> , 2021 ,	5.4	1
4 ⁰¹	A Multipopulation Evolutionary Algorithm for Solving Large-Scale Multimodal Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 405-418	15.6	14

390	Paired Offspring Generation for Constrained Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 448-462	15.6	7
399	A Computationally Efficient Evolutionary Algorithm for Multiobjective Network Robustness Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 419-432	15.6	7
398	Evolutionary Multiobjective Optimization Driven by Generative Adversarial Networks (GANs). <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3129-3142	10.2	32
397	Solving Large-Scale Multiobjective Optimization Problems With Sparse Optimal Solutions via Unsupervised Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3115-3128	10.2	33
396	A Coevolutionary Framework for Constrained Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 102-116	15.6	59
395	Finding Influential Nodes in Multiplex Networks Using a Memetic Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 900-912	10.2	18
394	Artificial intelligence in recommender systems. <i>Complex & Intelligent Systems</i> , 2021 , 7, 439-457	7.1	34
393	A Multiobjective Evolutionary Algorithm for Finding Knee Regions Using Two Localized Dominance Relationships. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 145-158	15.6	13
392	Offline data-driven evolutionary optimization based on tri-training. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100800	9.8	12
391	Non-dominated sorting on performance indicators for evolutionary many-objective optimization. <i>Information Sciences</i> , 2021 , 551, 23-38	7.7	7
390	Efficient Evolutionary Search of Attention Convolutional Networks via Sampled Training and Node Inheritance. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 371-385	15.6	10
389	Synergies between synaptic and intrinsic plasticity in echo state networks. <i>Neurocomputing</i> , 2021 , 432, 32-43	5.4	3
388	Solving Many-Objective Optimization Problems via Multistage Evolutionary Search. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3552-3564	7.3	10
387	A Survey of Deep Learning Applications to Autonomous Vehicle Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 712-733	6.1	106
386	A Kriging-Assisted Two-Archive Evolutionary Algorithm for Expensive Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	24
385	A Self-Adaptive Response Strategy for Dynamic Multiobjective Evolutionary Optimization Based on Objective Space Decomposition. <i>Evolutionary Computation</i> , 2021 , 29, 491-519	4.3	0
384	Toward Real-Time Federated Evolutionary Neural Architecture Search. <i>Natural Computing Series</i> , 2021 , 133-147	2.5	4
383	Data-Driven Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 ,	0.8	13

382	Searching for Robustness Intervals in Evolutionary Robust Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	1
381	Data-Driven Surrogate-Assisted Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 147-172	0.8	0
380	A Decision Variable Assortment-Based Evolutionary Algorithm for Dominance Robust Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-16	7.3	4
379	Surrogate-Assisted Multipopulation Particle Swarm Optimizer for High-Dimensional Expensive Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14	7.3	4
378	Real-time Federated Evolutionary Neural Architecture Search. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	7
377	A Pairwise Proximity Learning-Based Ant Colony Algorithm for Dynamic Vehicle Routing Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	7
376	Evolutionary Optimization of High-Dimensional Multiobjective and Many-Objective Expensive Problems Assisted by a Dropout Neural Network. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14	7.3	13
375	Surrogate-Assisted Evolutionary Neural Architecture Search. <i>Studies in Computational Intelligence</i> , 2021 , 373-387	0.8	
374	Surrogate-Assisted Multi-objective Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 201-229	0.8	1
373	Surrogate-Assisted High-Dimensional Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 309-341	0.8	1
372	Knowledge Transfer in Data-Driven Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 273-307	0.8	
371	Computational Modeling of Structural Synaptic Plasticity in Echo State Networks. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
370	An Enhanced Competitive Swarm Optimizer with Strongly Convex Sparse Operator for Large-Scale Multi-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	5
369	Interpretability-Based Multimodal Convolutional Neural Networks for Skin Lesion Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	5
368	Balancing Objective Optimization and Constraint Satisfaction in Constrained Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	15
367	A Pattern Mining-Based Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	5
366	Introduction to Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 1-40	0.8	
365	Introduction to Machine Learning. <i>Studies in Computational Intelligence</i> , 2021 , 103-145	0.8	3

364	Multi-surrogate-Assisted Single-objective Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 173-200		
363	Surrogate-Assisted Many-Objective Evolutionary Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 231-271	0.8	
362	Image Clustering Using an Augmented Generative Adversarial Network and Information Maximization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
361	Offline Big or Small Data-Driven Optimization and Applications. <i>Studies in Computational Intelligence</i> , 2021 , 343-371	0.8	
360	Evolutionary and Swarm Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 53-101	0.8	0
359	From federated learning to federated neural architecture search: a survey. <i>Complex & Intelligent Systems</i> , 2021 , 7, 639-657	7.1	19
358	. <i>IEEE Computational Intelligence Magazine</i> , 2021 , 16, 34-48	5.6	18
357	A Survey of Evolutionary Algorithms for Multi-Objective Optimization Problems With Irregular Pareto Fronts. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 303-318	7	40
356	A federated data-driven evolutionary algorithm for expensive multi-/many-objective optimization. <i>Complex & Intelligent Systems</i> , 2021 , 7, 3093	7.1	2
355	A Survey of Evolutionary Continuous Dynamic Optimization Over Two DecadesBart A. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 609-629	15.6	11
354	Guest Editorial Special Issue on Deep Integration of Artificial Intelligence and Data Science for Process Manufacturing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3294-3295 ^{10.3}		
353	Large-Scale Evolutionary Multiobjective Optimization Assisted by Directed Sampling. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 724-738	15.6	14
352	. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 630-650	15.6	9
351	A federated data-driven evolutionary algorithm. <i>Knowledge-Based Systems</i> , 2021 , 233, 107532	7.3	7
350	Transfer learning based surrogate assisted evolutionary bi-objective optimization for objectives with different evaluation times. <i>Knowledge-Based Systems</i> , 2021 , 227, 107190	7.3	5
349	Multi-objective search of robust neural architectures against multiple types of adversarial attacks. <i>Neurocomputing</i> , 2021 , 453, 73-84	5.4	9
348	Federated learning on non-IID data: A survey. <i>Neurocomputing</i> , 2021 , 465, 371-390	5.4	34
347	Distributed additive encryption and quantization for privacy preserving federated deep learning. <i>Neurocomputing</i> , 2021 , 463, 309-327	5.4	7

346	Action Command Encoding for Surrogate Assisted Neural Architecture Search. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	0
345	A Gradient-Guided Evolutionary Approach to Training Deep Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	7
344	Language model based interactive estimation of distribution algorithm. <i>Knowledge-Based Systems</i> , 2020 , 200, 105980	7.3	4
343	Surrogate-Assisted Evolutionary Search of Spiking Neural Architectures in Liquid State Machines. <i>Neurocomputing</i> , 2020 , 406, 12-23	5.4	10
342	An affinity propagation clustering based particle swarm optimizer for dynamic optimization. <i>Knowledge-Based Systems</i> , 2020 , 195, 105711	7.3	16
341	Regulated Morphogen Gradients for Target Surrounding and Adaptive Shape Formation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020 , 1-1	3	1
340	An adaptive Bayesian approach to surrogate-assisted evolutionary multi-objective optimization. <i>Information Sciences</i> , 2020 , 519, 317-331	7.7	22
339	Generating multiple reference vectors for a class of many-objective optimization problems with degenerate Pareto fronts. <i>Complex & Intelligent Systems</i> , 2020 , 6, 275-285	7.1	8
338	Robust Structural Balance in Signed Networks Using a Multiobjective Evolutionary Algorithm. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 24-35	5.6	7
337	Decision-making and multi-objectivization for cost sensitive robust optimization over time. <i>Knowledge-Based Systems</i> , 2020 , 199, 105857	7.3	3
336	Transfer learning for gaussian process assisted evolutionary bi-objective optimization for objectives with different evaluation times 2020 ,		5
335	A Surrogate-Assisted Evolutionary Algorithm with Random Feature Selection for Large-Scale Expensive Problems. <i>Lecture Notes in Computer Science</i> , 2020 , 125-139	0.9	2
334	A repository of real-world datasets for data-driven evolutionary multiobjective optimization. <i>Complex & Intelligent Systems</i> , 2020 , 6, 189-197	7.1	19
333	Surrogate-Assisted Robust Optimization of Large-Scale Networks Based on Graph Embedding. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 735-749	15.6	13
332	Communication-Efficient Federated Deep Learning With Layerwise Asynchronous Model Update and Temporally Weighted Aggregation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4229-4238	10.3	122
331	An improved random forest-based rule extraction method for breast cancer diagnosis. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105941	7.5	32
330	Multi-surrogate multi-tasking optimization of expensive problems. <i>Knowledge-Based Systems</i> , 2020 , 205, 106262	7.3	19
329	An Adaptive Reference Vector-Guided Evolutionary Algorithm Using Growing Neural Gas for Many-Objective Optimization of Irregular Problems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	7

328	EEG feature learning with Intrinsic Plasticity based Deep Echo State Network 2020 ,		1
327	A Recommender System for Metaheuristic Algorithms for Continuous Optimization Based on Deep Recurrent Neural Networks. <i>IEEE Transactions on Artificial Intelligence</i> , 2020 , 1, 5-18	4.7	12
326	Immune-Endocrine System Inspired Hierarchical Coevolutionary Multiobjective Optimization Algorithm for IoT Service. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 164-177	10.2	14
325	Guiding Evolutionary Multiobjective Optimization With Generic Front Modeling. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1106-1119	10.2	21
324	A Network Reduction-Based Multiobjective Evolutionary Algorithm for Community Detection in Large-Scale Complex Networks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 703-716	10.2	34
323	A Random Forest-Assisted Evolutionary Algorithm for Data-Driven Constrained Multiobjective Combinatorial Optimization of Trauma Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 536-549	10.2	56
322	Benchmark Problems and Performance Indicators for Search of Knee Points in Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3531-3544	10.2	23
321	An Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 380-393	15.6	81
320	Surrogate-Assisted Evolutionary Optimization of Large Problems. <i>Studies in Computational Intelligence</i> , 2020 , 165-187	0.8	6
319	Efficient Large-Scale Multiobjective Optimization Based on a Competitive Swarm Optimizer. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3696-3708	10.2	60
318	Multiple-Solution Optimization Strategy for Multirobot Task Allocation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4283-4294	7.3	11
317	Offline Data-Driven Multiobjective Optimization: Knowledge Transfer Between Surrogates and Generation of Final Solutions. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 1-1	15.6	13
316	Surrogate-Assisted Evolutionary Deep Learning Using an End-to-End Random Forest-Based Performance Predictor. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 350-364	15.6	74
315	Multi-Objective Evolutionary Federated Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1310-1322	10.3	77
314	Evolving Local Plasticity Rules for Synergistic Learning in Echo State Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1363-1374	10.3	11
313	Transfer stacking from low-to high-fidelity: A surrogate-assisted bi-fidelity evolutionary algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 92, 106276	7.5	8
312	Ternary Compression for Communication-Efficient Federated Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	18
311	A New Selection Strategy for Decomposition-based Evolutionary Many-Objective Optimization 2019 ,		2

310	Adaptation of Reference Vectors for Evolutionary Many-objective Optimization of Problems with Irregular Pareto Fronts 2019 ,		8
309	Stacking-based ensemble learning of decision trees for interpretable prostate cancer detection. <i>Applied Soft Computing Journal</i> , 2019 , 77, 188-204	7.5	60
308	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 949-961	15.6	78
307	Echo state networks regulated by local intrinsic plasticity rules for regression. <i>Neurocomputing</i> , 2019 , 351, 111-122	5.4	16
306	An adaptive decomposition-based evolutionary algorithm for many-objective optimization. <i>Information Sciences</i> , 2019 , 491, 204-222	7.7	29
305	Multidirectional Prediction Approach for Dynamic Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3362-3374	10.2	73
304	High-Dimensional Robust Multi-Objective Optimization for Order Scheduling: A Decision Variable Classification Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 293-304	11.9	31
303	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 203-216	15.6	82
302	A Strengthened Dominance Relation Considering Convergence and Diversity for Evolutionary Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 331-345	15.6	101
301	A Clustering-Based Adaptive Evolutionary Algorithm for Multiobjective Optimization With Irregular Pareto Fronts. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2758-2770	10.2	50
300	Multimodal Optimization Enhanced Cooperative Coevolution for Large-Scale Optimization. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3507-3520	10.2	17
299	Evolutionary Multiobjective Blocking Lot-Streaming Flow Shop Scheduling With Machine Breakdowns. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 184-197	10.2	81
298	Using PlatEMO to Solve Multi-Objective Optimization Problems in Applications: A Case Study on Feature Selection 2019 ,		5
297	References or Preferences [Rethinking Many-objective Evolutionary Optimization 2019 ,		7
296	Surrogate-Assisted Expensive Many-Objective Optimization by Model Fusion 2019 ,		3
295	A Multi-indicator based Selection Strategy for Evolutionary Many-objective Optimization 2019 ,		2
294	Multiobjective shape design in a ventilation system with a preference-driven surrogate-assisted evolutionary algorithm 2019 ,		1
293	Diversity Assessment of Multi-Objective Evolutionary Algorithms: Performance Metric and Benchmark Problems [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2019 , 14, 61-74	5.6	41

292	An a priori knee identification multi-objective evolutionary algorithm based on ϵ -dominance 2019 ,		7
291	Evolutionary Optimization of Liquid State Machines for Robust Learning. <i>Lecture Notes in Computer Science</i> , 2019 , 389-398	0.9	1
290	Automated Selection of Evolutionary Multi-objective Optimization Algorithms 2019 ,		3
289	Hyperparameter Estimation in SVM with GPU Acceleration for Prediction of Protein-Protein Interactions 2019 ,		1
288	Evolving Hyperparameters for Training Deep Neural Networks against Adversarial Attacks 2019 ,		1
287	Bayesian Approaches to Surrogate-Assisted Evolutionary Multi-objective Optimization: A Comparative Study 2019 ,		2
286	Multiobjective Infill Criterion Driven Gaussian Process-Assisted Particle Swarm Optimization of High-Dimensional Expensive Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 459-472	15.6	69
285	A complete expected improvement criterion for Gaussian process assisted highly constrained expensive optimization. <i>Information Sciences</i> , 2019 , 471, 80-96	7.7	20
284	Data-Driven Evolutionary Optimization: An Overview and Case Studies. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 442-458	15.6	160
283	Multitasking Multiobjective Evolutionary Operational Indices Optimization of Beneficiation Processes. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 1046-1057	4.9	39
282	Particle swarm optimization for network-based data classification. <i>Neural Networks</i> , 2019 , 110, 243-255	9.1	18
281	A Bio-Inspired Self-Learning Coevolutionary Dynamic Multiobjective Optimization Algorithm for Internet of Things Services. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 675-688	15.6	23
280	A performance-driven multi-algorithm selection strategy for energy consumption optimization of sea-rail intermodal transportation. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 1-17	9.8	12
279	Garteur AD/AG-52: Surrogate-Based Global Optimization Methods in Preliminary Aerodynamic Design. <i>Computational Methods in Applied Sciences (Springer)</i> , 2019 , 195-210	0.4	
278	A tree ensemble-based two-stage model for advanced-stage colorectal cancer survival prediction. <i>Information Sciences</i> , 2019 , 474, 106-124	7.7	28
277	A dynamic SVR $\bar{\alpha}$ MA model with improved fruit fly algorithm for the nonlinear fiber stretching process. <i>Natural Computing</i> , 2019 , 18, 747-756	1.3	6
276	A Classification-Based Surrogate-Assisted Evolutionary Algorithm for Expensive Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 74-88	15.6	134
275	Generalized Multitasking for Evolutionary Optimization of Expensive Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 44-58	15.6	94

274	Heterogeneous Ensemble-Based Infill Criterion for Evolutionary Multiobjective Optimization of Expensive Problems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1012-1025	10.2	60
273	A proactive scheduling approach to steel rolling process with stochastic machine breakdown. <i>Natural Computing</i> , 2019 , 18, 679-694	1.3	9
272	A hybrid instance-intensive workflow scheduling method in private cloud environment. <i>Natural Computing</i> , 2019 , 18, 735-746	1.3	5
271	To the special Issue on Metaheuristics for optimization of complex process engineering□ <i>Natural Computing</i> , 2019 , 18, 677-678	1.3	
270	A two-stage R2 indicator based evolutionary algorithm for many-objective optimization. <i>Applied Soft Computing Journal</i> , 2018 , 67, 245-260	7.5	43
269	A Generic Test Suite for Evolutionary Multifidelity Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 836-850	15.6	27
268	An Extended Reinforcement Learning Framework to Model Cognitive Development With Enactive Pattern Representation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018 , 10, 738-750	3	7
267	An Indicator-Based Multiobjective Evolutionary Algorithm With Reference Point Adaptation for Better Versatility. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 609-622	15.6	251
266	Guest Editorial Evolutionary Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 1-2	15.6	7
265	Surrogate-assisted hierarchical particle swarm optimization. <i>Information Sciences</i> , 2018 , 454-455, 59-72	7.7	116
264	A fitness approximation assisted competitive swarm optimizer for large scale expensive optimization problems. <i>Memetic Computing</i> , 2018 , 10, 123-134	3.4	32
263	Morphogen diffusion algorithms for tracking and herding using a swarm of kilobots. <i>Soft Computing</i> , 2018 , 22, 1833-1844	3.5	7
262	A Surrogate-Assisted Reference Vector Guided Evolutionary Algorithm for Computationally Expensive Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 129-142	15.6	194
261	A Decision Variable Clustering-Based Evolutionary Algorithm for Large-Scale Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 97-112	15.6	203
260	Feature selection for high-dimensional classification using a competitive swarm optimizer. <i>Soft Computing</i> , 2018 , 22, 811-822	3.5	174
259	On the Effectiveness of Sampling for Evolutionary Optimization in Noisy Environments. <i>Evolutionary Computation</i> , 2018 , 26, 237-267	4.3	21
258	A competitive mechanism based multi-objective particle swarm optimizer with fast convergence. <i>Information Sciences</i> , 2018 , 427, 63-76	7.7	138
257	Semi-supervised learning assisted particle swarm optimization of computationally expensive problems 2018 ,		6

256	Evolutionary multi-objective optimization based ensemble autoencoders for image outlier detection. <i>Neurocomputing</i> , 2018 , 309, 192-200	5.4	18
255	Dynamic Evolutionary Multiobjective Optimization for Raw Ore Allocation in Mineral Processing. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018 , 1-13	4.1	3
254	Model-based evolutionary algorithms: a short survey. <i>Complex & Intelligent Systems</i> , 2018 , 4, 283-292	7.1	39
253	A Method for a Posteriori Identification of Knee Points Based on Solution Density 2018 ,		13
252	Prediction of Physical Properties of Crude Oil Based on Ensemble Random Weights Neural Network. <i>IFAC-PapersOnLine</i> , 2018 , 51, 655-660	0.7	3
251	Incremental data-driven optimization of complex systems in nonstationary environments. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	1
250	Hierarchical Surrogate-Assisted Evolutionary Multi-Scenario Airfoil Shape Optimization 2018 ,		7
249	Sampling Reference Points on the Pareto Fronts of Benchmark Multi-Objective Optimization Problems 2018 ,		28
248	An improved support vector machine-based diabetic readmission prediction. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 166, 123-135	6.9	51
247	Endocrine-based coevolutionary multi-swarm for multi-objective workflow scheduling in a cloud system. <i>Soft Computing</i> , 2017 , 21, 4309-4322	3.5	43
246	Diversity Assessment in Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1510-1522	10.2	120
245	A multi-objective evolutionary algorithm guided by directed search for dynamic scheduling. <i>Computers and Operations Research</i> , 2017 , 79, 279-290	4.6	39
244	Bio-inspired self-organising multi-robot pattern formation: A review. <i>Robotics and Autonomous Systems</i> , 2017 , 91, 83-100	3.5	81
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