

Xin Yao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1838747/xin-yao-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

640

papers

30,066

citations

77

h-index

157

g-index

715

ext. papers

36,273

ext. citations

5.4

avg, IF

7.91

L-index

#	Paper	IF	Citations
640	A Novel Generalised Meta-Heuristic Framework for Dynamic Capacitated Arc Routing Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	1
639	Internal combustion engine calibration using optimization algorithms. <i>Applied Energy</i> , 2022 , 305, 117894	10.7	3
638	An Efficient Surrogate Assisted Particle Swarm Optimization for Antenna Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
637	Reinforcement Learning with Dual-Observation for General Video Game Playing. <i>IEEE Transactions on Games</i> , 2022 , 1-1	1.2	
636	Knowledge Transfer Genetic Programming with Auxiliary Population for Solving Uncertain Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	0
635	Adaptive Memory-enhanced Time Delay Reservoir and Its Memristive Implementation. <i>IEEE Transactions on Computers</i> , 2022 , 1-1	2.5	0
634	The vision of self-evolving computing systems. <i>Journal of Integrated Design and Process Science</i> , 2022 , 1-17	0.4	
633	Adaptive multiobjective evolutionary algorithm for large-scale transformer ratio error estimation. <i>Memetic Computing</i> , 2022 , 14, 237-251	3.4	0
632	Region-focused Memetic Algorithms with Smart Initialisation for Real-world Large-scale Waste Collection Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	1
631	Adaptive Initialization Method for K-Means Algorithm.. <i>Frontiers in Artificial Intelligence</i> , 2021 , 4, 7408173	3	1
630	A review of population-based metaheuristics for large-scale black-box global optimization: Part A. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	3
629	A review of population-based metaheuristics for large-scale black-box global optimization: Part B. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	3
628	Multiobjective bilevel evolutionary approach for off-grid direction-of-arrival estimation. <i>Applied Soft Computing Journal</i> , 2021 , 113, 107954	7.5	0
627	Power transformer fault diagnosis considering data imbalance and data set fusion. <i>High Voltage</i> , 2021 , 6, 543-554	4.1	5
626	Cooperative Coevolution-based Design Space Exploration for Multi-mode Dataflow Mapping. <i>Transactions on Embedded Computing Systems</i> , 2021 , 20, 1-25	1.8	1
625	Memetic algorithm with non-smooth penalty for capacitated arc routing problem. <i>Knowledge-Based Systems</i> , 2021 , 220, 106957	7.3	1
624	. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 595-607	15.6	3

623	Enhanced Constraint Handling for Reliability-Constrained Multiobjective Testing Resource Allocation. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 537-551	15.6	6
622	Exploiting Linear Interpolation of Variational Autoencoders for Satisfying Preferences in Evolutionary Design Optimization 2021 ,		1
621	Parallel exploration via negatively correlated search. <i>Frontiers of Computer Science</i> , 2021 , 15, 1	2.2	3
620	Surrogate models in evolutionary single-objective optimization: A new taxonomy and experimental study. <i>Information Sciences</i> , 2021 , 562, 414-437	7.7	12
619	Consensus Learning for Distributed Fuzzy Neural Network in Big Data Environment. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 5, 29-41	4.1	3
618	Analysis of Noisy Evolutionary Optimization When Sampling Fails. <i>Algorithmica</i> , 2021 , 83, 940-975	0.9	2
617	Symbolic Sequence Classification in the Fractal Space. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 5, 168-177	4.1	3
616	An Efficient Recursive Differential Grouping for Large-Scale Continuous Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 159-171	15.6	16
615	Uncertainty analysis of wind power probability density forecasting based on cubic spline interpolation and support vector quantile regression. <i>Neurocomputing</i> , 2021 , 430, 121-137	5.4	11
614	Nanorobots-Assisted Natural Computation for Multifocal Tumor Sensitization and Targeting. <i>IEEE Transactions on Nanobioscience</i> , 2021 , 20, 154-165	3.4	3
613	Discriminative Learning in the Model Space for Symbolic Sequence Classification. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 5, 154-167	4.1	0
612	Dynamic Optimization in Fast-Changing Environments via Offline Evolutionary Search. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2
611	Genetic Programming with Niching for Uncertain Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2
610	Feature Creation Towards the Detection of Non-control-Flow Hijacking Attacks. <i>Lecture Notes in Computer Science</i> , 2021 , 153-164	0.9	
609	Fairer Machine Learning Through Multi-objective Evolutionary Learning. <i>Lecture Notes in Computer Science</i> , 2021 , 111-123	0.9	0
608	Hierarchical Reduced-space Drift Detection Framework for Multivariate Supervised Data Streams. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	
607	Robust Optimization in Uncertain Capacitated Arc Routing Problems: Progresses and Perspectives [Review Article]. <i>IEEE Computational Intelligence Magazine</i> , 2021 , 16, 63-82	5.6	6
606	Neural Architecture Search Based on Evolutionary Algorithms with Fitness Approximation 2021 ,		1

605	A hybrid local search framework for the dynamic capacitated arc routing problem 2021 ,		3
604	A Survey of Evolutionary Continuous Dynamic Optimization Over Two Decades Part A. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 609-629	15.6	11
603	Exponential evolution mechanism for in vivo computation. <i>Swarm and Evolutionary Computation</i> , 2021 , 65, 100931	9.8	0
602	. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 630-650	15.6	9
601	Analysis of Evolutionary Algorithms on Fitness Function With Time-Linkage Property. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 696-709	15.6	1
600	Memetic search for vehicle routing with simultaneous pickup-delivery and time windows. <i>Swarm and Evolutionary Computation</i> , 2021 , 66, 100927	9.8	6
599	Operator-Adapted Evolutionary Large-Scale Multiobjective Optimization for Voltage Transformer Ratio Error Estimation. <i>Lecture Notes in Computer Science</i> , 2021 , 672-683	0.9	
598	Early Warning of Incipient Faults for Power Transformer Based on DGA Using a Two-Stage Feature Extraction Technique. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	0
597	Posterior Decision-Making Based on Decomposition-Driven Knee Point Identification. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	0
596	Does Preference Always Help? A Holistic Study on Preference-Based Evolutionary Multiobjective Optimization Using Reference Points. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 1078-1096	15.6	13
595	What Weights Work for You? Adapting Weights for Any Pareto Front Shape in Decomposition-Based Evolutionary Multiobjective Optimisation. <i>Evolutionary Computation</i> , 2020 , 28, 227-253	4.3	24
594	Kernel truncated regression representation for robust subspace clustering. <i>Information Sciences</i> , 2020 , 524, 59-76	7.7	7
593	On Performance Estimation in Automatic Algorithm Configuration. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 2384-2391	5	3
592	Evolutionary Large-Scale Multiobjective Optimization for Ratio Error Estimation of Voltage Transformers. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 868-881	15.6	25
591	D-MAENS2: A Self-adaptive D-MAENS Algorithm with Better Decision Diversity 2020 ,		1
590	Many-Objective Test Suite Generation for Software Product Lines. <i>ACM Transactions on Software Engineering and Methodology</i> , 2020 , 29, 1-46	3.3	5
589	Finding the Largest Successful Coalition under the Strict Goal Preferences of Agents. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2020 , 14, 1-33	1.2	
588	Quantifying The Generative Capabilities Of Variational Autoencoders For 3D Car Point Clouds 2020 ,		4

587	Towards Novel Meta-heuristic Algorithms for Dynamic Capacitated Arc Routing Problems. <i>Lecture Notes in Computer Science</i> , 2020 , 428-440	0.9	4
586	A Hybrid Evolutionary Algorithm for Reliable Facility Location Problem. <i>Lecture Notes in Computer Science</i> , 2020 , 454-467	0.9	1
585	Generative Adversarial Construction of Parallel Portfolios. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	5
584	Synergizing Domain Expertise With Self-Awareness in Software Systems: A Patternized Architecture Guideline. <i>Proceedings of the IEEE</i> , 2020 , 108, 1094-1126	14.3	4
583	NGA-Inspired Nanorobots-Assisted Detection of Multifocal Cancer. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
582	Benchmarking Continuous Dynamic Optimization: Survey and Generalized Test Suite. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	6
581	How to Evaluate Solutions in Pareto-based Search-Based Software Engineering? A Critical Review and Methodological Guidance. <i>IEEE Transactions on Software Engineering</i> , 2020 , 1-1	3.5	6
580	A Task-Oriented Heuristic for Repairing Infeasible Solutions to Overlapping Coalition Structure Generation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 785-801	7.3	1
579	Ensemble of Classifiers Based on Multiobjective Genetic Sampling for Imbalanced Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1104-1115	4.2	27
578	Objective reduction for visualising many-objective solution sets. <i>Information Sciences</i> , 2020 , 512, 278-294	4.7	8
577	. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 157-169	15.6	2
576	Can I Park in the City Center? Predicting Car Park Occupancy Rates in Smart Cities. <i>Journal of Urban Technology</i> , 2020 , 27, 27-41	5.9	3
575	Scaling Up Dynamic Optimization Problems: A Divide-and-Conquer Approach. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 1-15	15.6	22
574	Multi-objective redundancy hardening with optimal task mapping for independent tasks on multi-cores. <i>Soft Computing</i> , 2020 , 24, 981-995	3.5	0
573	. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 201-216	15.6	88
572	Automatic Parameter Tuning using Bayesian Optimization Method 2019 ,		3
571	Algorithm portfolio for individual-based surrogate-assisted evolutionary algorithms 2019 ,		2
570	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 949-961	15.6	78

569	Evolutionary Generative Adversarial Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 921-934	15.6	101
568	Standing on the shoulders of giants: Seeding search-based multi-objective optimization with prior knowledge for software service composition. <i>Information and Software Technology</i> , 2019 , 114, 155-175	3.4	11
567	Probabilistic Feature Selection and Classification Vector Machine. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2019 , 13, 1-27	4	13
566	Quality Evaluation of Solution Sets in Multiobjective Optimisation. <i>ACM Computing Surveys</i> , 2019 , 52, 1-38	13.4	114
565	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 303-315	15.6	99
564	Model-based computational intelligence multi-objective optimization for gasoline direct injection engine calibration. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 1391-1402	1.4	7
563	Surrogate-Assisted Expensive Many-Objective Optimization by Model Fusion 2019 ,		3
562	Lightweight Evolution Strategies for Nanoswimmers-oriented In Vivo Computation 2019 ,		2
561	Voronoi-based Efficient Surrogate-assisted Evolutionary Algorithm for Very Expensive Problems 2019 ,		9
560	A hybrid clustering and evolutionary approach for wireless underground sensor network lifetime maximization. <i>Information Sciences</i> , 2019 , 504, 372-393	7.7	11
559	Maximizing submodular or monotone approximately submodular functions by multi-objective evolutionary algorithms. <i>Artificial Intelligence</i> , 2019 , 275, 279-294	3.6	11
558	A Parallel Divide-and-Conquer-Based Evolutionary Algorithm for Large-Scale Optimization. <i>IEEE Access</i> , 2019 , 7, 163105-163118	3.5	17
557	Automatic Construction of Parallel Portfolios via Explicit Instance Grouping. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 1560-1567	5	7
556	Rectified Encoder Network for High-Dimensional Imbalanced Learning. <i>Lecture Notes in Computer Science</i> , 2019 , 684-697	0.9	
555	An Empirical Investigation of the Optimality and Monotonicity Properties of Multiobjective Archiving Methods. <i>Lecture Notes in Computer Science</i> , 2019 , 15-26	0.9	10
554	Learning Time-Series Data of Industrial Design Optimization using Recurrent Neural Networks 2019 ,		1
553	Learning Topological Representation for Networks via Hierarchical Sampling 2019 ,		9
552	Learning Transferable Variation Operators in a Continuous Genetic Algorithm 2019 ,		1

551	Domination-Based Ordinal Regression for Expensive Multi-Objective Optimization 2019 ,		7
550	Bandit-based cooperative coevolution for tackling contribution imbalance in large-scale optimization problems. <i>Applied Soft Computing Journal</i> , 2019 , 76, 265-281	7.5	11
549	Hydrodynamic coefficients identification of pitch and heave using multi-objective evolutionary algorithm. <i>Ocean Engineering</i> , 2019 , 171, 33-48	3.9	3
548	A Scalable Indicator-Based Evolutionary Algorithm for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 525-537	15.6	47
547	Interactive Decomposition Multiobjective Optimization Via Progressively Learned Value Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 849-860	8.3	15
546	Software Effort Interval Prediction via Bayesian Inference and Synthetic Bootstrap Resampling. <i>ACM Transactions on Software Engineering and Methodology</i> , 2019 , 28, 1-46	3.3	10
545	Solving Transit Network Design Problem Using Many-Objective Evolutionary Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 3952-3963	6.1	11
544	Solving Incremental Optimization Problems via Cooperative Coevolution. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 762-775	15.6	4
543	A New Framework for Analysis of Coevolutionary Systems-Directed Graph Representation and Random Walks. <i>Evolutionary Computation</i> , 2019 , 27, 195-228	4.3	1
542	Multiobjective Learning in the Model Space for Time Series Classification. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 918-932	10.2	24
541	Evolutionary Multiobjective Optimization-Based Multimodal Optimization: Fitness Landscape Approximation and Peak Detection. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 692-706	15.6	60
540	R-Metric: Evaluating the Performance of Preference-Based Evolutionary Multiobjective Optimization Using Reference Points. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 821-835	15.6	37
539	A Systematic Study of Online Class Imbalance Learning With Concept Drift. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 4802-4821	10.3	92
538	Concept Drift Adaptation by Exploiting Historical Knowledge. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 4822-4832	10.3	43
537	Efficient Cluster-Based Boosting for Semisupervised Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5667-5680	10.3	3
536	SNR-Constrained Heuristics for Optimizing the Scaling Parameter of Robust Audio Watermarking. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 2631-2644	6.6	18
535	Semisupervised Negative Correlation Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5366-5379	10.3	5
534	On the Effectiveness of Sampling for Evolutionary Optimization in Noisy Environments. <i>Evolutionary Computation</i> , 2018 , 26, 237-267	4.3	21

533	Turning High-Dimensional Optimization Into Computationally Expensive Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 143-156	15.6	55
532	Dynamic Multiobjectives Optimization With a Changing Number of Objectives. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 157-171	15.6	62
531	Multiline Distance Minimization: A Visualized Many-Objective Test Problem Suite. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 61-78	15.6	37
530	Cooperative Co-Evolution-Based Design Optimization: A Concurrent Engineering Perspective. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 173-188	15.6	7
529	Computational Intelligence Nonmodel-Based Calibration Approach for Internal Combustion Engines. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	7
528	A Survey and Taxonomy of Self-Aware and Self-Adaptive Cloud Autoscaling Systems. <i>ACM Computing Surveys</i> , 2018 , 51, 1-40	13.4	40
527	A critical review of 2018 ,		13
526	Changing or keeping solutions in dynamic optimization problems with switching costs 2018 ,		8
525	Model-based evolutionary algorithms: a short survey. <i>Complex & Intelligent Systems</i> , 2018 , 4, 283-292	7.1	39
524	On the effects of seeding strategies 2018 ,		18
523	Analysis of noisy evolutionary optimization when sampling fails 2018 ,		4
522	Interactive ontology matching based on partial reference alignment. <i>Applied Soft Computing Journal</i> , 2018 , 72, 355-370	7.5	28
521	. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 550-563	15.6	18
520	Integration of Preferences in Decomposition Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3359-3370	10.2	32
519	A novel automated approach for software effort estimation based on data augmentation 2018 ,		5
518	To Adapt or Not to Adapt? 2018 ,		9
517	FEMOSAA. <i>ACM Transactions on Software Engineering and Methodology</i> , 2018 , 27, 1-50	3.3	29
516	Nadir point estimation for many-objective optimization problems based on emphasized critical regions. <i>Soft Computing</i> , 2017 , 21, 2283-2295	3.5	15

515	A multi-agent evolutionary algorithm for software module clustering problems. <i>Soft Computing</i> , 2017 , 21, 3415-3428	3.5	26
514	Diversity Assessment in Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1510-1522	12.0	
513	An iterative pseudo-gap enumeration approach for the Multidimensional Multiple-choice Knapsack Problem. <i>European Journal of Operational Research</i> , 2017 , 260, 1-11	5.6	16
512	Which models of the past are relevant to the present? A software effort estimation approach to exploiting useful past models. <i>Automated Software Engineering</i> , 2017 , 24, 499-542	1.5	12
511	Multiobjective optimization for interwoven systems. <i>Journal of Multi-Criteria Decision Analysis</i> , 2017 , 24, 71-81	1.9	13
510	Empirical Investigations of Reference Point Based Methods When Facing a Massively Large Number of Objectives: First Results. <i>Lecture Notes in Computer Science</i> , 2017 , 390-405	0.9	4
509	DG2: A Faster and More Accurate Differential Grouping for Large-Scale Black-Box Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 929-942	15.6	137
508	A benchmark test suite for evolutionary many-objective optimization. <i>Complex & Intelligent Systems</i> , 2017 , 3, 67-81	7.1	187
507	Predicting Car Park Occupancy Rates in Smart Cities. <i>Lecture Notes in Computer Science</i> , 2017 , 107-117	0.9	16
506	Parallel population-based algorithm portfolios: An empirical study. <i>Neurocomputing</i> , 2017 , 247, 115-125	5.4	13
505	Efficient Resource Allocation in Cooperative Co-Evolution for Large-Scale Global Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 493-505	15.6	66
504	How to Read Many-Objective Solution Sets in Parallel Coordinates [Educational Forum]. <i>IEEE Computational Intelligence Magazine</i> , 2017 , 12, 88-100	5.6	56
503	Constraint Handling in NSGA-II for Solving Optimal Testing Resource Allocation Problems. <i>IEEE Transactions on Reliability</i> , 2017 , 66, 1193-1212	4.6	18
502	Optimal relay placement for lifetime maximization in wireless underground sensor networks. <i>Information Sciences</i> , 2017 , 418-419, 463-479	7.7	24
501	The Future of Camera Networks 2017 ,		7
500	Improvement of Reference Points for Decomposition Based Multi-objective Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2017 , 284-296	0.9	3
499	Knowledge-based particle swarm optimization for PID controller tuning 2017 ,		2
498	Parallel peaks: A visualization method for benchmark studies of multimodal optimization 2017 ,		3

497	A Scalable Approach to Capacitated Arc Routing Problems Based on Hierarchical Decomposition. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3928-3940	10.2	30
496	SaaS for Automated Job Performance Appraisals Using Service Technologies and Big Data Analytics 2017 ,		2
495	Touchable Computing: Computing-Inspired Bio-Detection. <i>IEEE Transactions on Nanobioscience</i> , 2017 , 16, 810-821	3.4	16
494	Touchable computation: Computing-inspired bio-detection 2017 ,		1
493	Combining conformal prediction and genetic programming for symbolic interval regression 2017 ,		3
492	Memetic algorithm with adaptive local search for Capacitated Arc Routing Problem 2017 ,		2
491	A Cluster-Based Semisupervised Ensemble for Multiclass Classification. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017 , 1, 408-420	4.1	16
490	Scalable Graph-Based Semi-Supervised Learning through Sparse Bayesian Model. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 2758-2771	4.2	31
489	Adjusting Parallel Coordinates for Investigating Multi-objective Search. <i>Lecture Notes in Computer Science</i> , 2017 , 224-235	0.9	6
488	Surrogate Model Assisted Multi-objective Differential Evolution Algorithm for Performance Optimization at Software Architecture Level*. <i>Lecture Notes in Computer Science</i> , 2017 , 334-346	0.9	
487	Layered Ensemble Architecture for Time Series Forecasting. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 270-83	10.2	24
486	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 96-109	15.6	38
485	A New Dominance Relation-Based Evolutionary Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 16-37	15.6	395
484	Objective reduction based on nonlinear correlation information entropy. <i>Soft Computing</i> , 2016 , 20, 2393-2407	3.5	42
483	On investigation of interdependence between sub-problems of the Travelling Thief Problem. <i>Soft Computing</i> , 2016 , 20, 157-172	3.5	29
482	Self-aware Computing: Introduction and Motivation. <i>Natural Computing Series</i> , 2016 , 1-5	2.5	4
481	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 1-1	15.6	
480	CBCC3 A contribution-based cooperative co-evolutionary algorithm with improved exploration/exploitation balance 2016 ,		27

479	Online Ensemble Learning of Data Streams with Gradually Evolved Classes. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 1532-1545	4.2	94
478	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 606-626	15.6	776
477	Defect- and Variation-Tolerant Logic Mapping in Nanocrossbar Using Bipartite Matching and Memetic Algorithm. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2016 , 24, 2813-2826	2.6	7
476	Dynamic Software Project Scheduling through a Proactive-Rescheduling Method. <i>IEEE Transactions on Software Engineering</i> , 2016 , 42, 658-686	3.5	27
475	Binarization With Boosting and Oversampling for Multiclass Classification. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1078-91	10.2	23
474	Regularity Model for Noisy Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1997-2009	3.1	31
473	Variable Interaction in Multi-objective Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2016 , 399-409	0.9	6
472	A Competitive Divide-and-Conquer Algorithm for Unconstrained Large-Scale Black-Box Optimization. <i>ACM Transactions on Mathematical Software</i> , 2016 , 42, 1-24	2.3	109
471	Robust Online Time Series Prediction with Recurrent Neural Networks 2016 ,		54
470	Improving the performance of evolutionary engine calibration algorithms with principal component analysis 2016 ,		1
469	Search based recommender system using many-objective evolutionary algorithm 2016 ,		3
468	A multi-modal optimization approach to single path planning for unmanned aerial vehicle 2016 ,		2
467	Dynamic selection of evolutionary operators based on online learning and fitness landscape analysis. <i>Soft Computing</i> , 2016 , 20, 3889-3914	3.5	14
466	Negatively Correlated Search. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 542-550	14.2	53
465	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 1-1	15.6	18
464	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 924-938	15.6	128
463	Balancing Convergence and Diversity in Decomposition-Based Many-Objective Optimizers. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 180-198	15.6	232
462	Speciated Evolutionary Algorithm for Dynamic Constrained Optimisation. <i>Lecture Notes in Computer Science</i> , 2016 , 203-213	0.9	3

461	An Evolutionary Hyper-heuristic for the Software Project Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2016 , 37-47	0.9	10
460	Target shape design optimization by evolving B-splines with cooperative coevolution. <i>Applied Soft Computing Journal</i> , 2016 , 48, 672-682	7.5	13
459	Cooperative Coevolutionary Algorithm-Based Model Predictive Control Guaranteeing Stability of Multirobot Formation. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 37-51	4.8	22
458	The time complexity analysis of a class of gene expression programming. <i>Soft Computing</i> , 2015 , 19, 1611-1625	3.5	7
457	. <i>IEEE Transactions on Reliability</i> , 2015 , 64, 234-246	4.6	70
456	A clustering-ranking method for many-objective optimization. <i>Applied Soft Computing Journal</i> , 2015 , 35, 681-694	7.5	37
455	Metaheuristics for agricultural land use optimization. A review. <i>Agronomy for Sustainable Development</i> , 2015 , 35, 975-998	6.8	55
454	An efficient local search heuristic with row weighting for the unicost set covering problem. <i>European Journal of Operational Research</i> , 2015 , 246, 750-761	5.6	24
453	Evolutionary path control strategy for solving many-objective optimization problem. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 702-15	10.2	63
452	Graph-Based Approaches for Over-Sampling in the Context of Ordinal Regression. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 1233-1245	4.2	37
451	Resampling-Based Ensemble Methods for Online Class Imbalance Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 1356-1368	4.2	185
450	On the Easiest and Hardest Fitness Functions. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 295-305	15.6	29
449	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 188-200	15.6	60
448	Many-Objective Evolutionary Algorithms. <i>ACM Computing Surveys</i> , 2015 , 48, 1-35	13.4	419
447	Self-Aware and Self-Expressive Systems. <i>Computer</i> , 2015 , 48, 18-20	1.6	3
446	QoS-aware long-term based service composition in cloud computing 2015 ,		10
445	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2997-3016	6.1	89
444	Architectural Aspects of Self-Aware and Self-Expressive Computing Systems: From Psychology to Engineering. <i>Computer</i> , 2015 , 48, 62-70	1.6	39

443	Heuristic evolution with genetic programming for traveling thief problem 2015 ,		13
442	An evolutionary algorithm for performance optimization at software architecture level 2015 ,		3
441	Static, Dynamic, and Adaptive Heterogeneity in Distributed Smart Camera Networks. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2015 , 10, 1-30	1.2	48
440	Mathematical modeling and multi-objective evolutionary algorithms applied to dynamic flexible job shop scheduling problems. <i>Information Sciences</i> , 2015 , 298, 198-224	7.7	115
439	Meta-Heuristic Algorithms in Car Engine Design: A Literature Survey. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 609-629	15.6	52
438	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 524-541	15.6	349
437	Robust twin boosting for feature selection from high-dimensional omics data with label noise. <i>Information Sciences</i> , 2015 , 291, 1-18	7.7	21
436	50th Anniversary of Fuzzy Logic [President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 4-4	5.6	
435	A Growing Story [President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 3-3	5.6	
434	Means to an End Is Not the Same as the End Itself [President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 4-4	5.6	
433	A new evolutionary algorithm with structure mutation for the maximum balanced biclique problem. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1040-53	10.2	32
432	Big Data Analytics, Data Science and the CIS [President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 4-5	5.6	
431	Robust Optimization Over Time: Problem Difficulties and Benchmark Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 731-745	15.6	19
430	Frequency Fitness Assignment. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 226-243	15.6	10
429	Cognitive fault diagnosis in Tennessee Eastman Process using learning in the model space. <i>Computers and Chemical Engineering</i> , 2014 , 67, 33-42	4	35
428	. <i>IEEE Transactions on Software Engineering</i> , 2014 , 40, 83-102	3.5	23
427	Architecting Self-Aware Software Systems 2014 ,		26
426	2014 ,		5

425	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
424	A new self-adaptation scheme for differential evolution. <i>Neurocomputing</i> , 2014 , 146, 2-16	5.4	37
423	Benchmarking Optimization Algorithms: An Open Source Framework for the Traveling Salesman Problem. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 40-52	5.6	45
422	Combining learning in model space fault diagnosis with data validation/reconstruction: Application to the Barcelona water network. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 30, 18-29	7.2	17
421	Corner Sort for Pareto-Based Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 92-102	10.2	85
420	Efficient probabilistic classification vector machine with incremental basis function selection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 356-69	10.3	26
419	Reusing Genetic Programming for Ensemble Selection in Classification of Unbalanced Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 893-908	15.6	60
418	Learning in the model space for cognitive fault diagnosis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 124-36	10.3	66
417	Co-evolutionary automatic programming for software development. <i>Information Sciences</i> , 2014 , 259, 412-432	7.7	27
416	Population-based Algorithm Portfolios with automated constituent algorithms selection. <i>Information Sciences</i> , 2014 , 279, 94-104	7.7	49
415	MWMOTE--Majority Weighted Minority Oversampling Technique for Imbalanced Data Set Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 405-425	4.2	470
414	Runtime analysis of the (1 + 1) EA on computing unique input output sequences. <i>Information Sciences</i> , 2014 , 259, 510-531	7.7	16
413	A review of concurrent optimisation methods. <i>International Journal of Bio-Inspired Computation</i> , 2014 , 6, 22	2.9	6
412	[President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 3-18	5.6	
411	President's Greeting [President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 4-4	5.6	
410	IEEE CIFEr 2014 - Leading Forum on Computational Finance and Economics Research in Academia and Industry [Conference Reports]. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 8-10	5.6	
409	DiME: a scalable disease module identification algorithm with application to glioma progression. <i>PLoS ONE</i> , 2014 , 9, e86693	3.7	18
408	Socio-economic vision graph generation and handover in distributed smart camera networks. <i>ACM Transactions on Sensor Networks</i> , 2014 , 10, 1-24	2.9	39

407	Variable neighborhood decomposition for Large Scale Capacitated Arc Routing Problem 2014 ,		8
406	Multi-colony ant algorithms for the dynamic travelling salesman problem 2014 ,		16
405	The potential benefit of relevance vector machine to software effort estimation 2014 ,		7
404	Temperature management for heterogeneous multi-core FPGAs using adaptive evolutionary multi-objective approaches 2014 ,		2
403	Online QoS Modeling in the Cloud: A Hybrid and Adaptive Multi-learners Approach 2014 ,		9
402	[President's Message]. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 3-3		5.6
401	A New Memetic Algorithm With Fitness Approximation for the Defect-Tolerant Logic Mapping in Crossbar-Based Nanoarchitectures. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 846-859	15.6	26
400	Evolving exact integer algorithms with Genetic Programming 2014 ,		3
399	Model representation and cooperative coevolution for finite-state machine evolution 2014 ,		10
398	Cooperative Coevolution With Route Distance Grouping for Large-Scale Capacitated Arc Routing Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 435-449	15.6	85
397	What are dynamic optimization problems? 2014 ,		9
396	Improving Efficiency of Heuristics for the Large Scale Traveling Thief Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 631-643	0.9	21
395	An Evolutionary Multiobjective Approach to Sparse Reconstruction. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 827-845	15.6	93
394	How to make best use of cross-company data in software effort estimation? 2014 ,		35
393	An improved Two Archive Algorithm for Many-Objective optimization 2014 ,		17
392	Cooperative Co-Evolution With Differential Grouping for Large Scale Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 378-393	15.6	413
391	Multiobjective genetic programming for maximizing ROC performance. <i>Neurocomputing</i> , 2014 , 125, 102-118	15.6	33
390	Dynamic Selection of Evolutionary Algorithm Operators Based on Online Learning and Fitness Landscape Metrics. <i>Lecture Notes in Computer Science</i> , 2014 , 359-370	0.9	12

389	Fitness Landscapes and Problem Difficulty in Evolutionary Algorithms: From Theory to Applications. <i>Emergence, Complexity and Computation</i> , 2014 , 133-152	0.1	5
388	Diversity-Driven Selection of Multiple Crossover Operators for the Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 97-108	0.9	6
387	The Performance Effects of Interaction Frequency in Parallel Cooperative Coevolution. <i>Lecture Notes in Computer Science</i> , 2014 , 82-93	0.9	1
386	A framework for finding robust optimal solutions over time. <i>Memetic Computing</i> , 2013 , 5, 3-18	3.4	76
385	Finding Robust Solutions to Dynamic Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2013 , 616-625	0.9	15
384	Model-based kernel for efficient time series analysis 2013 ,		45
383	Recent Advances in Evolutionary Algorithms for Job Shop Scheduling. <i>Studies in Computational Intelligence</i> , 2013 , 191-224	0.8	7
382	Ensembles and locality: Insight on improving software effort estimation. <i>Information and Software Technology</i> , 2013 , 55, 1512-1528	3.4	79
381	CamSim: A Distributed Smart Camera Network Simulator 2013 ,		11
380	A learning framework for online class imbalance learning 2013 ,		44
379	A memetic algorithm for uncertain Capacitated Arc Routing Problems 2013 ,		13
378	Pipe failure prediction: A data mining method 2013 ,		6
377	Dynamic Multi-objective Optimization: A Survey of the State-of-the-Art. <i>Studies in Computational Intelligence</i> , 2013 , 85-106	0.8	16
376	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 155-164	15.6	24
375	Relationships between Diversity of Classification Ensembles and Single-Class Performance Measures. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 206-219	4.2	76
374	Decomposing Large-Scale Capacitated Arc Routing Problems using a random route grouping method 2013 ,		10
373	Re-scheduling in railway networks 2013 ,		5
372	Evolving Diverse Ensembles Using Genetic Programming for Classification With Unbalanced Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 368-386	15.6	141

371	Using Class Imbalance Learning for Software Defect Prediction. <i>IEEE Transactions on Reliability</i> , 2013 , 62, 434-443	4.6	295
370	Scaling Up Estimation of Distribution Algorithms for Continuous Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 797-822	15.6	61
369	Challenges and opportunities in dynamic optimisation 2013 ,		2
368	Incremental development productivity decline 2013 ,		2
367	Evolutionary Dynamic Optimization: Methodologies. <i>Studies in Computational Intelligence</i> , 2013 , 39-64	0.8	9
366	An analysis of multi-objective evolutionary algorithms for training ensemble models based on different performance measures in software effort estimation 2013 ,		15
365	The impact of parameter tuning on software effort estimation using learning machines 2013 ,		44
364	ONLINE CLASS IMBALANCE LEARNING AND ITS APPLICATIONS IN FAULT DETECTION. <i>International Journal of Computational Intelligence and Applications</i> , 2013 , 12, 1340001	1.2	33
363	Some Recent Work on Multi-objective Approaches to Search-Based Software Engineering. <i>Lecture Notes in Computer Science</i> , 2013 , 4-15	0.9	9
362	Software effort estimation as a multiobjective learning problem. <i>ACM Transactions on Software Engineering and Methodology</i> , 2013 , 22, 1-32	3.3	53
361	Negative correlation ensemble learning for ordinal regression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1836-49	10.3	25
360	Dynamic sampling approach to training neural networks for multiclass imbalance classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 647-60	10.3	104
359	Learning to be Different: Heterogeneity and Efficiency in Distributed Smart Camera Networks 2013 ,		16
358	Addressing the EU sovereign ratings using an ordinal regression approach. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 2228-40	10.2	19
357	Concept drift detection for online class imbalance learning 2013 ,		35
356	Dynamic Time-Linkage Evolutionary Optimization: Definitions and Potential Solutions. <i>Studies in Computational Intelligence</i> , 2013 , 371-395	0.8	3
355	Dynamic Combinatorial Optimization Problems: A Fitness Landscape Analysis. <i>Studies in Computational Intelligence</i> , 2013 , 79-97	0.8	4
354	Evolutionary Computation for Dynamic Capacitated Arc Routing Problem. <i>Studies in Computational Intelligence</i> , 2013 , 377-401	0.8	4

353	Evolutionary Dynamic Optimization: Challenges and Perspectives. <i>Studies in Computational Intelligence</i> , 2013 , 65-84	0.8	1
352	Evolutionary Optimization on Continuous Dynamic Constrained Problems - An Analysis. <i>Studies in Computational Intelligence</i> , 2013 , 193-217	0.8	4
351	Can Diversity amongst Learners Improve Online Object Tracking?. <i>Lecture Notes in Computer Science</i> , 2013 , 212-223	0.9	2
350	Theoretical Advances in Evolutionary Dynamic Optimization. <i>Studies in Computational Intelligence</i> , 2013 , 221-240	0.8	1
349	A grey-box approach to automated mechanism design. <i>Electronic Commerce Research and Applications</i> , 2012 , 11, 24-35	4.6	4
348	A large population size can be unhelpful in evolutionary algorithms. <i>Theoretical Computer Science</i> , 2012 , 436, 54-70	1.1	74
347	Evolutionary and principled search strategies for sensornet protocol optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 163-80		11
346	Improving Generalization Performance in Co-Evolutionary Learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 70-85	15.6	34
345	Cooperatively Coevolving Particle Swarms for Large Scale Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 210-224	15.6	459
344	On the Impact of Mutation-Selection Balance on the Runtime of Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 225-241	15.6	43
343	Multiclass Imbalance Problems: Analysis and Potential Solutions. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 1119-30		285
342	Evolutionary mechanics: new engineering principles for the emergence of flexibility in a dynamic and uncertain world. <i>Natural Computing</i> , 2012 , 11, 431-448	1.3	7
341	Characterizing environmental changes in Robust Optimization Over Time 2012 ,		1
340	Using unreliable data for creating more reliable online learners 2012 ,		4
339	Dynamic adaptive search based software engineering 2012 ,		43
338	DDD: A New Ensemble Approach for Dealing with Concept Drift. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012 , 24, 619-633	4.2	256
337	Semisupervised classification with cluster regularization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 1779-92	10.3	38
336	On the approximation ability of evolutionary optimization with application to minimum set cover. <i>Artificial Intelligence</i> , 2012 , 180-181, 20-33	3.6	39

335	Diversity Guided Evolutionary Programming: A novel approach for continuous optimization. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1693-1707	7.5	21
334	Evolutionary algorithms for the project scheduling problem 2012 ,		10
333	Analysis of premalignant pancreatic cancer mass spectrometry data for biomarker selection using a group search optimizer. <i>Transactions of the Institute of Measurement and Control</i> , 2012 , 34, 668-676	1.8	12
332	Can cross-company data improve performance in software effort estimation? 2012 ,		29
331	Market niching in multi-attribute computational resource allocation systems 2012 ,		3
330	Resource-aware configuration in smart camera networks 2012 ,		9
329	Continuous Dynamic Constrained Optimization—the Challenges. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 769-786	15.6	71
328	An Efficient Evolutionary Approach to Parameter Identification in a Building Thermal Model. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 957-969		15
327	Co-learning Segmentation in Marketplaces. <i>Lecture Notes in Computer Science</i> , 2012 , 1-20	0.9	2
326	Unpacking and Understanding Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2012 , 60-76	0.9	7
325	A Learning-to-Rank Algorithm for Constructing Defect Prediction Models. <i>Lecture Notes in Computer Science</i> , 2012 , 167-175	0.9	7
324	Homogeneous and Heterogeneous Island Models for the Set Cover Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 11-20	0.9	10
323	Community Detection Using Cooperative Co-evolutionary Differential Evolution. <i>Lecture Notes in Computer Science</i> , 2012 , 235-244	0.9	9
322	A Benchmark Generator for Dynamic Permutation-Encoded Problems. <i>Lecture Notes in Computer Science</i> , 2012 , 508-517	0.9	16
321	Neural Network Ensembles to Determine Growth Multi-classes in Predictive Microbiology. <i>Lecture Notes in Computer Science</i> , 2012 , 308-318	0.9	
320	Selected Aspects of Natural Computing 2012 , 1737-1801		
319	Ubiquity symposium: Evolutionary computation and the processes of life. <i>Ubiquity</i> , 2012 , 2012, 1-8	0.3	
318	Ensemble Learning by Negative Correlation Learning 2012 , 177-201		1

317	The Effect of Proprioceptive Feedback on the Distribution of Sensory Information in a Model of an Undulatory Organism. <i>Lecture Notes in Computer Science</i> , 2011 , 18-26	0.9	1
316	A Survey of Self-Awareness and Its Application in Computing Systems 2011 ,		59
315	A Hybrid Ant Colony Optimization Algorithm for the Extended Capacitated Arc Routing Problem. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1110-23		44
314	Recurring two-stage evolutionary programming: a novel approach for numeric optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1352-65		11
313	Short-Term Load Forecasting with Neural Network Ensembles: A Comparative Study [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2011 , 6, 47-56	5.6	91
312	Software Module Clustering as a Multi-Objective Search Problem. <i>IEEE Transactions on Software Engineering</i> , 2011 , 37, 264-282	3.5	234
311	A Memetic Algorithm for Periodic Capacitated Arc Routing Problem. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1654-67		51
310	Decomposition-Based Memetic Algorithm for Multiobjective Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 151-165	15.6	179
309	Crossover can be constructive when computing unique input/output sequences. <i>Soft Computing</i> , 2011 , 15, 1675-1687	3.5	25
308	Dynamic combinatorial optimisation problems: an analysis of the subset sum problem. <i>Soft Computing</i> , 2011 , 15, 1723-1734	3.5	49
307	Scalability of generalized adaptive differential evolution for large-scale continuous optimization. <i>Soft Computing</i> , 2011 , 15, 2141-2155	3.5	82
306	Immigrant schemes for evolutionary algorithms in dynamic environments: Adapting the replacement rate. <i>Science China Information Sciences</i> , 2011 , 54, 1352-1364	3.4	4
305	Neural networks ensembles for short-term load forecasting 2011 ,		3
304	Improving Scheduling Techniques in Heterogeneous Systems with Dynamic, On-Line Optimisations 2011 ,		4
303	Non-uniform mutation rates for problems with unknown solution lengths 2011 ,		11
302	Smart use of computational resources based on contribution for cooperative co-evolutionary algorithms 2011 ,		56
301	Classification-assisted Differential Evolution for computationally expensive problems 2011 ,		20
300	A socio-economic approach to online vision graph generation and handover in distributed smart camera networks 2011 ,		16

299	A principled evaluation of ensembles of learning machines for software effort estimation 2011 ,		15
298	A Memetic Genetic Programming with decision tree-based local search for classification problems 2011 ,		14
297	Runtime Analysis of Evolutionary Algorithms for Discrete Optimization. <i>Theoretical Computer Science</i> , 2011 , 21-52		18
296	Fitness-Probability Cloud and a Measure of Problem Hardness for Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 108-117	0.9	18
295	Fitness Landscape-Based Parameter Tuning Method for Evolutionary Algorithms for Computing Unique Input Output Sequences. <i>Lecture Notes in Computer Science</i> , 2011 , 453-460	0.9	2
294	The Role of Degenerate Robustness in the Evolvability of Multi-agent Systems in Dynamic Environments 2010 , 284-293		8
293	Capacitated arc routing problem in uncertain environments 2010 ,		24
292	Cooperative Co-evolution for large scale optimization through more frequent random grouping 2010 ,		109
291	How Specialised Are Specialists? Generalisation Properties of Entries from the 2008 and 2009 TAC Market Design Competitions. <i>Lecture Notes in Business Information Processing</i> , 2010 , 178-194	0.6	5
290	Cooperative Co-evolution with delta grouping for large scale non-separable function optimization 2010 ,		132
289	The Effectiveness of a New Negative Correlation Learning Algorithm for Classification Ensembles 2010 ,		8
288	On the role of modularity in evolutionary dynamic optimisation 2010 ,		4
287	The Impact of Diversity on Online Ensemble Learning in the Presence of Concept Drift. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 730-742	4.2	271
286	Sparse approximation through boosting for learning large scale kernel machines. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 883-94		32
285	Robust optimization over time A new perspective on dynamic optimization problems 2010 ,		35
284	Multiobjective Neural Network Ensembles Based on Regularized Negative Correlation Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 1738-1751	4.2	85
283	Applying Elementary Landscape Analysis to Search-Based Software Engineering 2010 ,		5
282	Using GP to evolve decision rules for classification in financial data sets 2010 ,		4

281	Negative correlation learning for classification ensembles 2010 ,		48
280	Choosing selection pressure for wide-gap problems. <i>Theoretical Computer Science</i> , 2010 , 411, 926-934	1.1	10
279	Resource allocation in decentralised computational systems: an evolutionary market-based approach. <i>Autonomous Agents and Multi-Agent Systems</i> , 2010 , 21, 143-171	2	20
278	Market-based control of computational systems: introduction to the special issue. <i>Autonomous Agents and Multi-Agent Systems</i> , 2010 , 21, 109-114	2	1
277	. <i>IEEE Transactions on Reliability</i> , 2010 , 59, 754-765	4.6	32
276	Multi-Objective Approaches to Optimal Testing Resource Allocation in Modular Software Systems. <i>IEEE Transactions on Reliability</i> , 2010 , 59, 563-575	4.6	61
275	An Evolutionary Approach to the Multidepot Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 356-374	15.6	39
274	Analysis of Computational Time of Simple Estimation of Distribution Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 1-22	15.6	64
273	Population-Based Algorithm Portfolios for Numerical Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 782-800	15.6	131
272	Uncovering delayed patterns in noisy and irregularly sampled time series: An astronomy application. <i>Pattern Recognition</i> , 2010 , 43, 1165-1179	7.7	11
271	Co-evolution of Optimal Agents for the Alternating Offers Bargaining Game. <i>Lecture Notes in Computer Science</i> , 2010 , 61-70	0.9	1
270	NonUniform Layered Clustering for Ensemble Classifier Generation and Optimality. <i>Lecture Notes in Computer Science</i> , 2010 , 551-558	0.9	9
269	Emergent Distribution of Computational Workload in the Evolution of an Undulatory Animat. <i>Lecture Notes in Computer Science</i> , 2010 , 587-596	0.9	
268	Evolving Neural Networks with Maximum AUC for Imbalanced Data Classification. <i>Lecture Notes in Computer Science</i> , 2010 , 335-342	0.9	1
267	2009 ,		26
266	Using diversity to handle concept drift in on-line learning 2009 ,		5
265	Diversity exploration and negative correlation learning on imbalanced data sets 2009 ,		14
264	Tackling high dimensional nonseparable optimization problems by cooperatively coevolving particle swarms 2009 ,		65

263	Diversity analysis on imbalanced data sets by using ensemble models 2009 ,		220
262	2009 ,		62
261	Multi-start JADE with knowledge transfer for numerical optimization 2009 ,		10
260	Rigorous time complexity analysis of Univariate Marginal Distribution Algorithm with margins 2009 ,		4
259	Improved memetic algorithm for Capacitated Arc Routing Problem 2009 ,		19
258	When is an estimation of distribution algorithm better than an evolutionary algorithm? 2009 ,		17
257	Comparing design of experiments and evolutionary approaches to multi-objective optimisation of sensornet protocols 2009 ,		4
256	Dynamic evolutionary optimisation 2009 ,		43
255	On the impact of the mutation-selection balance on the runtime of evolutionary algorithms 2009 ,		5
254	Analysis of the $(1+1)$ -EA for Finding Approximate Solutions to Vertex Cover Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 1006-1029	15.6	56
253	Memetic Algorithm With Extended Neighborhood Search for Capacitated Arc Routing Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 1151-1166	15.6	138
252	Negative correlation in incremental learning. <i>Natural Computing</i> , 2009 , 8, 289-320	1.3	22
251	Improving the performance of evolutionary algorithms in grid-based puzzles resolution. <i>Evolutionary Intelligence</i> , 2009 , 2, 169-181	1.7	5
250	Innovative Batik Design with an Interactive Evolutionary Art System. <i>Journal of Computer Science and Technology</i> , 2009 , 24, 1035-1047	1.7	9
249	Runtime analysis of search heuristics on software engineering problems. <i>Frontiers of Computer Science</i> , 2009 , 3, 64-72		12
248	Empirical analysis of evolutionary algorithms with immigrants schemes for dynamic optimization. <i>Memetic Computing</i> , 2009 , 1, 3-24	3.4	74
247	Profiling MS proteomics data using smoothed non-linear energy operator and Bayesian additive regression trees. <i>Proteomics</i> , 2009 , 9, 4176-91	4.8	4
246	Benchmarking and solving dynamic constrained problems 2009 ,		36

245	Predictive Ensemble Pruning by Expectation Propagation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009 , 21, 999-1013	4.2	68
244	Probabilistic classification vector machines. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 901-14		75
243	Self-optimizing architecture for ensuring Quality Attributes in the cloud 2009 ,		13
242	A multi-objective approach to Redundancy Allocation Problem in parallel-series systems 2009 ,		35
241	Theoretical Study of the Relationship between Diversity and Single-Class Measures for Class Imbalance Learning 2009 ,		4
240	Regularized negative correlation learning for neural network ensembles. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1962-79		76
239	2009 ,		1
238	Selective negative correlation learning approach to incremental learning. <i>Neurocomputing</i> , 2009 , 72, 2796-2805	5.4	18
237	Relationship Between Generalization and Diversity in Coevolutionary Learning. <i>IEEE Transactions on Games</i> , 2009 , 1, 214-232		24
236	A new adaptive merging and growing algorithm for designing artificial neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 705-22		80
235	A global repair operator for capacitated arc routing problem. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 723-34		43
234	A new approach for analyzing average time complexity of population-based evolutionary algorithms on unimodal problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1092-106		45
233	A new constructive algorithm for architectural and functional adaptation of artificial neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1590-605		37
232	Performance of infeasibility driven evolutionary algorithm (IDEA) on constrained dynamic single objective optimization problems 2009 ,		39
231	Dynamic Time-Linkage Problems Revisited. <i>Lecture Notes in Computer Science</i> , 2009 , 735-744	0.9	25
230	The Dynamic Knapsack Problem Revisited: A New Benchmark Problem for Dynamic Combinatorial Optimisation. <i>Lecture Notes in Computer Science</i> , 2009 , 745-754	0.9	11
229	Adaptive Differential Evolution for Multi-objective Optimization. <i>Communications in Computer and Information Science</i> , 2009 , 9-16	0.3	1
228	Evolution of Neural Organization in a Hydra-Like Animat. <i>Lecture Notes in Computer Science</i> , 2009 , 216-233		2

227	The Minimum Redundancy [Maximum Relevance Approach to Building Sparse Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2009 , 184-190	0.9	1
226	Profiling of Mass Spectrometry Data for Ovarian Cancer Detection Using Negative Correlation Learning. <i>Lecture Notes in Computer Science</i> , 2009 , 185-194	0.9	
225	Population-Based Incremental Learning With Associative Memory for Dynamic Environments. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 542-561	15.6	197
224	Evolving artificial neural network ensembles. <i>IEEE Computational Intelligence Magazine</i> , 2008 , 3, 31-42	5.6	81
223	Computational intelligence in economic games and policy design [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2008 , 3, 22-26	5.6	14
222	Multi-objective Improvement of Software Using Co-evolution and Smart Seeding. <i>Lecture Notes in Computer Science</i> , 2008 , 61-70	0.9	39
221	A novel co-evolutionary approach to automatic software bug fixing 2008 ,		126
220	Neural-Based Learning Classifier Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 26-39	4.2	63
219	A Self-adaptive Evolutionary Programming Based on Optimum Search Direction. <i>Lecture Notes in Computer Science</i> , 2008 , 9-18	0.9	1
218	Measuring Generalization Performance in Coevolutionary Learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 479-505	15.6	39
217	Editorial Continued Evolution of Evolutionary Computation - Transition to a New Editor-in-Chief. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 661-661	15.6	
216	Bagging and boosting negatively correlated neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 771-84		58
215	An immigrants scheme based on environmental information for genetic algorithms in changing environments 2008 ,		4
214	Theoretical Runtime Analyses of Search Algorithms on the Test Data Generation for the Triangle Classification Problem 2008 ,		13
213	Analysis of population-based evolutionary algorithms for the vertex cover problem 2008 ,		27
212	A multi-objective approach to testing resource allocation in modular software systems 2008 ,		1
211	Multilevel cooperative coevolution for large scale optimization 2008 ,		43
210	Handling Constraints for Search Based Software Test Data Generation 2008 ,		9

209	Direction matters in high-dimensional optimisation 2008 ,		17
208	An experimental study of hybridizing cultural algorithms and local search. <i>International Journal of Neural Systems</i> , 2008 , 18, 1-17	6.2	35
207	Evolving edited k-nearest neighbor classifiers. <i>International Journal of Neural Systems</i> , 2008 , 18, 459-67	6.2	26
206	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
205	Evolving Artificial Neural Network Ensembles. <i>Studies in Computational Intelligence</i> , 2008 , 851-880	0.8	8
204	On-line bagging Negative Correlation Learning 2008 ,		2
203	NichingEDA: Utilizing the diversity inside a population of EDAs for continuous optimization 2008 ,		8
202	Automatic feature-queried bird identification system based on entropy and fuzzy similarity. <i>Expert Systems With Applications</i> , 2008 , 34, 2879-2884	7.8	2
201	Search based software testing of object-oriented containers. <i>Information Sciences</i> , 2008 , 178, 3075-3095	7.7	66
200	Unified eigen analysis on multivariate Gaussian based estimation of distribution algorithms. <i>Information Sciences</i> , 2008 , 178, 3000-3023	7.7	46
199	Large scale evolutionary optimization using cooperative coevolution. <i>Information Sciences</i> , 2008 , 178, 2985-2999	7.7	634
198	Assignment of cells to switches in a cellular mobile network using a hybrid Hopfield network-genetic algorithm approach. <i>Applied Soft Computing Journal</i> , 2008 , 8, 216-224	7.5	17
197	Optimal switch location in mobile communication networks using hybrid genetic algorithms. <i>Applied Soft Computing Journal</i> , 2008 , 8, 1486-1497	7.5	20
196	Neuronal population oscillations of rat hippocampus during epileptic seizures. <i>Neural Networks</i> , 2008 , 21, 1105-11	9.1	15
195	Self-adaptive differential evolution with neighborhood search 2008 ,		59
194	Grid Task Scheduling Algorithm R3Q for Evolving Artificial Neural Networks 2008 , 717-722		
193	Implementing Negative Correlation Learning in Evolutionary Ensembles with Suitable Speciation Techniques 2008 , 344-369		
192	A Computational Intelligence Approach to Railway Track Intervention Planning. <i>Studies in Computational Intelligence</i> , 2008 , 163-198	0.8	3

191	Evolutionary Market Agents for Resource Allocation in Decentralised Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 1071-1080	0.9	8
190	Solving Very Difficult Japanese Puzzles with a Hybrid Evolutionary-Logic Algorithm. <i>Lecture Notes in Computer Science</i> , 2008 , 360-369	0.9	1
189	Attributes of Dynamic Combinatorial Optimisation. <i>Lecture Notes in Computer Science</i> , 2008 , 442-451	0.9	12
188	Crossover Can Be Constructive When Computing Unique Input Output Sequences. <i>Lecture Notes in Computer Science</i> , 2008 , 595-604	0.9	15
187	On the analysis of average time complexity of estimation of distribution algorithms 2007 ,		5
186	A note on problem difficulty measures in black-box optimization: classification, realizations and predictability. <i>Evolutionary Computation</i> , 2007 , 15, 435-43	4.3	53
185	Differential evolution for high-dimensional function optimization 2007 ,		45
184	A novel and practicable on-chip adaptive lossless image compression scheme using intrinsic evolvable hardware. <i>Connection Science</i> , 2007 , 19, 281-295	2.8	7
183	Evolutionary Design of Digital Filters With Application to Subband Coding and Data Transmission. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 1193-1203	4.8	20
182	A Memetic Algorithm for test data generation of Object-Oriented software 2007 ,		20
181	A wavelet-based data pre-processing analysis approach in mass spectrometry. <i>Computers in Biology and Medicine</i> , 2007 , 37, 509-16	7	18
180	Interaction dynamics of neuronal oscillations analysed using wavelet transforms. <i>Journal of Neuroscience Methods</i> , 2007 , 160, 178-85	3	87
179	Teaching Advanced Features of Evolutionary Algorithms Using Japanese Puzzles. <i>IEEE Transactions on Education</i> , 2007 , 50, 151-156	2.1	13
178	Time complexity of evolutionary algorithms for combinatorial optimization: A decade of results. <i>International Journal of Automation and Computing</i> , 2007 , 4, 281-293	3.5	139
177	Making a Difference to Differential Evolution 2007 , 397-414		58
176	Application of Grid Task Scheduling Algorithm RR to Medium-Grained Evolution Strategies 2007 ,		1
175	Evolutionary random neural ensembles based on negative correlation learning 2007 ,		5
174	Coevolving programs and unit tests from their specification 2007 ,		20

173	Evolving cooperation in the non-iterated prisoner's dilemma: A social network inspired approach 2007 ,		5
172	Solving Japanese Puzzles with Heuristics 2007 ,		7
171	How well do multi-objective evolutionary algorithms scale to large problems 2007 ,		37
170	Estimation of distribution algorithms for testing object oriented software 2007 ,		16
169	On Test Data Generation of Object-Oriented Software 2007 ,		7
168	Evolutionary Ensemble for In Silico Prediction of Ames Test Mutagenicity. <i>Lecture Notes in Computer Science</i> , 2007 , 1162-1171	0.9	1
167	Robust Salting Route Optimization Using Evolutionary Algorithms. <i>Studies in Computational Intelligence</i> , 2007 , 497-517	0.8	12
166	Synchronization measurement of multiple neuronal populations. <i>Journal of Neurophysiology</i> , 2007 , 98, 3341-8	3.2	63
165	A memetic algorithm for VLSI floorplanning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 62-9		104
164	Multiple Choices and Reputation in Multiagent Interactions. <i>IEEE Transactions on Evolutionary Computation</i> , 2007 , 11, 689-711	15.6	43
163	Target shape design optimization by evolving splines 2007 ,		10
162	Runtime analysis of (1+l) EA on computing unique input output sequences 2007 ,		6
161	Covariance matrix repairing in Gaussian based EDAs 2007 ,		4
160	Evolutionary algorithms and the Vertex Cover problem 2007 ,		18
159	A New Multi-objective Evolutionary Optimisation Algorithm: The Two-Archive Algorithm. <i>Lecture Notes in Computer Science</i> , 2007 , 95-104	0.9	3
158	Hybrid meta-heuristics algorithms for task assignment in heterogeneous computing systems. <i>Computers and Operations Research</i> , 2006 , 33, 820-835	4.6	37
157	Recent Advances in Evolutionary Computation. <i>Journal of Computer Science and Technology</i> , 2006 , 21, 1-18	1.7	64
156	Robust route optimization for gritting/salting trucks: a CERCIA experience. <i>IEEE Computational Intelligence Magazine</i> , 2006 , 1, 6-9	5.6	46

155	A research-led and industry-oriented MSc program in natural computation. <i>IEEE Computational Intelligence Magazine</i> , 2006 , 1, 39-40	5.6	7
154	Evolutionary computation benchmarking repository [Developmental Tools]. <i>IEEE Computational Intelligence Magazine</i> , 2006 , 1, 50-60	5.6	1
153	Evolving hybrid ensembles of learning machines for better generalisation. <i>Neurocomputing</i> , 2006 , 69, 686-700	5.4	105
152	Gene selection algorithms for microarray data based on least squares support vector machine. <i>BMC Bioinformatics</i> , 2006 , 7, 95	3.6	59
151	Multi-network evolutionary systems and automatic decomposition of complex problems. <i>International Journal of General Systems</i> , 2006 , 35, 259-274	2.1	19
150	Self-Adapting Payoff Matrices in Repeated Interactions 2006 ,		13
149	A Probabilistic Ensemble Pruning Algorithm 2006 ,		9
148	A New Multi-objective Evolutionary Optimisation Algorithm: The Two-Archive Algorithm 2006 ,		51
147	Boosting Kernel Models for Regression. <i>IEEE International Conference on Data Mining</i> , 2006 ,		4
146	An evolutionary clustering algorithm for gene expression microarray data analysis. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 296-314	15.6	73
145	Current developments and future directions of bio-inspired computation and implications for ecoinformatics. <i>Ecological Informatics</i> , 2006 , 1, 9-22	4.2	9
144	An extended contract net mechanism for dynamic supply chain formation and its application in China petroleum supply chain management. <i>Multiagent and Grid Systems</i> , 2006 , 2, 183-207	0.5	2
143	Ensemble Learning Using Multi-Objective Evolutionary Algorithms. <i>Mathematical Modelling and Algorithms</i> , 2006 , 5, 417-445		117
142	An analysis of diversity measures. <i>Machine Learning</i> , 2006 , 65, 247-271	4	273
141	A Hybrid Estimation of Distribution Algorithm for CDMA Cellular System Design. <i>Lecture Notes in Computer Science</i> , 2006 , 905-912	0.9	
140	Make Fast Evolutionary Programming Robust by Search Step Control. <i>Lecture Notes in Computer Science</i> , 2006 , 806-815	0.9	
139	Environments Conducive to Evolution of Modularity. <i>Lecture Notes in Computer Science</i> , 2006 , 603-612	0.9	2
138	Towards Intrinsic Evolvable Hardware for Predictive Lossless Image Compression. <i>Lecture Notes in Computer Science</i> , 2006 , 632-639	0.9	2

137	Evolutionary Computation Benchmarking Repository. <i>IEEE Computational Intelligence Magazine</i> , 2006 , 1, 50-53	5.6	2
136	Hybridisation of Particle Swarm Optimization and Fast Evolutionary Programming. <i>Lecture Notes in Computer Science</i> , 2006 , 392-399	0.9	2
135	Trade-Off Between Diversity and Accuracy in Ensemble Generation 2006 , 429-464		15
134	Behavioral diversity, choices and noise in the iterated prisoner's dilemma. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 540-551	15.6	64
133	Clustering and learning Gaussian distribution for continuous optimization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 195-204		48
132	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 266-271		24
131	Inverse modelling of multi-objective thermodynamically optimized turbojet engines using GMDH-type neural networks and evolutionary algorithms. <i>Engineering Optimization</i> , 2005 , 37, 437-462	2	54
130	Computational Neuronal Oscillations using Morlet Wavelet Transform. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 2009-12		
129	Multi-scale statistical process monitoring in machining. <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 924-927	8.9	35
128	Application of Fuzzy Similarity to Prediction of Epileptic Seizures Using EEG Signals. <i>Lecture Notes in Computer Science</i> , 2005 , 645-652	0.9	3
127	Search biases in constrained evolutionary optimization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 233-243		287
126	Similarities in precursory features in seismic shocks and epileptic seizures. <i>Europhysics Letters</i> , 2005 , 69, 657-663	1.6	28
125	Linear dimensionality reduction using relevance weighted LDA. <i>Pattern Recognition</i> , 2005 , 38, 485-493	7.7	64
124	Diversity creation methods: a survey and categorisation. <i>Information Fusion</i> , 2005 , 6, 5-20	16.7	597
123	Fractal spectral analysis of pre-epileptic seizures in terms of criticality. <i>Journal of Neural Engineering</i> , 2005 , 2, 11-6	5	60
122	Thermodynamic Pareto optimization of turbojet engines using multi-objective genetic algorithms. <i>International Journal of Thermal Sciences</i> , 2005 , 44, 1061-1071	4.1	84
121	Experimental study on population-based incremental learning algorithms for dynamic optimization problems. <i>Soft Computing</i> , 2005 , 9, 815-834	3.5	200
120	Meta-Heuristic Algorithms for FPGA Segmented Channel Routing Problems with Non-standard Cost Functions. <i>Genetic Programming and Evolvable Machines</i> , 2005 , 6, 359-379	2	5

119	METAHEURISTIC APPROACHES TO TRAFFIC GROOMING IN WDM OPTICAL NETWORKS. <i>International Journal of Computational Intelligence and Applications</i> , 2005 , 05, 231-249	1.2	9
118	A Selected Introduction to Evolutionary Computation. <i>Studies in Fuzziness and Soft Computing</i> , 2005 , 3-12	0.7	0
117	A Game-Theoretic Approach for Designing Mixed Mutation Strategies. <i>Lecture Notes in Computer Science</i> , 2005 , 279-288	0.9	10
116	AUTOMATIC MODULARIZATION WITH SPECIATED NEURAL NETWORK ENSEMBLE. <i>Advances in Natural Computation</i> , 2004 , 268-283		
115	Lower bound on number of ADMs in WDM rings with nonuniform traffic demands. <i>Electronics Letters</i> , 2004 , 40, 824	1.1	4
114	A study of drift analysis for estimating computation time of evolutionary algorithms. <i>Natural Computing</i> , 2004 , 3, 21-35	1.3	165
113	Digital filter design using multiple pareto fronts. <i>Soft Computing</i> , 2004 , 8, 332-343	3.5	18
112	Time complexity analysis of an evolutionary algorithm for finding nearly maximum cardinality matching. <i>Journal of Computer Science and Technology</i> , 2004 , 19, 450-458	1.7	8
111	Dynamical characteristics of pre-epileptic seizures in rats with recurrence quantification analysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 333, 164-171	2.3	64
110	Evolutionary programming using mutations based on the Levy probability distribution. <i>IEEE Transactions on Evolutionary Computation</i> , 2004 , 8, 1-13	15.6	326
109	A hybrid Hopfield network-genetic algorithm approach for the terminal assignment problem. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 2343-53		53
108	Nonlinear Feature Extraction Using Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2004 , 1014-1019	0.9	1
107	Evolving Neural Network Ensembles by Minimization of Mutual Information. <i>International Journal of Hybrid Intelligent Systems</i> , 2004 , 1, 12-21	0.9	17
106	An Improved Constructive Neural Network Ensemble Approach to Medical Diagnoses. <i>Lecture Notes in Computer Science</i> , 2004 , 572-577	0.9	5
105	DIVACE: Diverse and Accurate Ensemble Learning Algorithm. <i>Lecture Notes in Computer Science</i> , 2004 , 619-625	0.9	26
104	An Evolutionary Approach to Modeling Radial Brightness Distributions in Elliptical Galaxies. <i>Lecture Notes in Computer Science</i> , 2004 , 591-601	0.9	3
103	Credit Assignment Among Neurons in Co-evolving Populations. <i>Lecture Notes in Computer Science</i> , 2004 , 882-891	0.9	10
102	Constrained Evolutionary Optimization 2003 , 87-113		10

101	. <i>IEEE Transactions on Evolutionary Computation</i> , 2003 , 7, 532-545	15.6	177
100	Towards an analytic framework for analysing the computation time of evolutionary algorithms. <i>Artificial Intelligence</i> , 2003 , 145, 59-97	3.6	124
99	A constructive algorithm for training cooperative neural network ensembles. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 820-34		191
98	Materialized view selection as constrained evolutionary optimization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2003 , 33, 458-467		64
97	Evolutionary Computation 2003 , 27-53		1
96	Simulated annealing and joint manufacturing batch-sizing. <i>Yugoslav Journal of Operations Research</i> , 2003 , 13, 245-259	0.9	1
95	The Evolution of Evolutionary Computation. <i>Lecture Notes in Computer Science</i> , 2003 , 19-20	0.9	2
94	Fast Evolutionary Algorithms. <i>Natural Computing Series</i> , 2003 , 45-94	2.5	38
93	Using Negative Correlation to Evolve Fault-Tolerant Circuits. <i>Lecture Notes in Computer Science</i> , 2003 , 35-46	0.9	10
92	Universal multi-objective function for optimising superplastic-damage constitutive equations. <i>Journal of Materials Processing Technology</i> , 2002 , 125-126, 199-205	5.3	55
91	A new evolutionary approach to cutting stock problems with and without contiguity. <i>Computers and Operations Research</i> , 2002 , 29, 1641-1659	4.6	51
90	A novel evolutionary algorithm for determining unified creep damage constitutive equations. <i>International Journal of Mechanical Sciences</i> , 2002 , 44, 987-1002	5.5	77
89	CO-EVOLUTION IN ITERATED PRISONER'S DILEMMA WITH INTERMEDIATE LEVELS OF COOPERATION: APPLICATION TO MISSILE DEFENSE. <i>International Journal of Computational Intelligence and Applications</i> , 2002 , 02, 83-107	1.2	42
88	From an individual to a population: an analysis of the first hitting time of population-based evolutionary algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2002 , 6, 495-511	15.6	110
87	From Evolutionary Computation to Natural Computation 2002 , 41-50		
86	Evolutionary Optimization. <i>Profiles in Operations Research</i> , 2002 ,	1	52
85	Evolving SQL Queries for Data Mining. <i>Lecture Notes in Computer Science</i> , 2002 , 62-67	0.9	5
84	Learning and Evolution by Minimization of Mutual Information. <i>Lecture Notes in Computer Science</i> , 2002 , 495-504	0.9	8

83	Drift analysis and average time complexity of evolutionary algorithms. <i>Artificial Intelligence</i> , 2001 , 127, 57-85	3.6	277
82	Adapting Self-Adaptive Parameters in Evolutionary Algorithms. <i>Applied Intelligence</i> , 2001 , 15, 171-180	4.9	34
81	Simulated Evolution and Learning: An Introduction. <i>Applied Intelligence</i> , 2001 , 15, 151-152	4.9	1
80	An evolutionary approach to materialized views selection in a data warehouse environment. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2001 , 31, 282-294		72
79	Evolutionary Design Calibration. <i>Lecture Notes in Computer Science</i> , 2001 , 26-37	0.9	2
78	The Impact of Payoff Function and Local Interaction on the N-Player Iterated Prisoner's Dilemma. <i>Knowledge and Information Systems</i> , 2000 , 2, 461-478	2.4	31
77	Stochastic ranking for constrained evolutionary optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2000 , 4, 284-294	15.6	1034
76	Solving equations by hybrid evolutionary computation techniques. <i>IEEE Transactions on Evolutionary Computation</i> , 2000 , 4, 295-304	15.6	22
75	Evolutionary ensembles with negative correlation learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2000 , 4, 380-387	15.6	273
74	Application of Genetic Algorithm and K-Nearest Neighbour Method in Real World Medical Fraud Detection Problem. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2000 , 4, 130-137	0.4	15
73	Following the path of evolvable hardware. <i>Communications of the ACM</i> , 1999 , 42, 46-49	2.5	15
72	Promises and challenges of evolvable hardware. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 1999 , 29, 87-97		136
71	Ensemble learning via negative correlation. <i>Neural Networks</i> , 1999 , 12, 1399-1404	9.1	432
70	Negatively correlated neural networks for classification. <i>Artificial Life and Robotics</i> , 1999 , 3, 255-259	0.6	4
69	Evolutionary computation comes of age. <i>Cognitive Systems Research</i> , 1999 , 1, 59-64	4.8	2
68	Simultaneous training of negatively correlated neural networks in an ensemble. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1999 , 29, 716-25		159
67	Evolutionary programming made faster. <i>IEEE Transactions on Evolutionary Computation</i> , 1999 , 3, 82-102	15.6	2292
66	The GRD chip: genetic reconfiguration of DSPs for neural network processing. <i>IEEE Transactions on Computers</i> , 1999 , 48, 628-639	2.5	35

65	. <i>Proceedings of the IEEE</i> , 1999 , 87, 1423-1447	14.3	1551
64	Evolutionary Computation: Theory and Applications 1999 ,		57
63	Time Series Prediction by Using Negatively Correlated Neural Networks. <i>Lecture Notes in Computer Science</i> , 1999 , 333-340	0.9	1
62	Recent New Development in Evolutionary Programming 1999 , 30-56		
61	Maximum Matching on Boltzmann Machines. <i>Neural Processing Letters</i> , 1998 , 7, 49-53	2.4	1
60	Towards designing artificial neural networks by evolution. <i>Applied Mathematics and Computation</i> , 1998 , 91, 83-90	2.7	104
59	Making use of population information in evolutionary artificial neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1998 , 28, 417-25		170
58	Solving cutting stock problems by evolutionary programming. <i>Lecture Notes in Computer Science</i> , 1998 , 755-764	0.9	4
57	An experimental investigation of self-adaptation in evolutionary programming. <i>Lecture Notes in Computer Science</i> , 1998 , 291-300	0.9	16
56	Towards designing neural network ensembles by evolution. <i>Lecture Notes in Computer Science</i> , 1998 , 623-632	0.9	14
55	Fast evolution strategies. <i>Lecture Notes in Computer Science</i> , 1997 , 149-161	0.9	39
54	A new evolutionary system for evolving artificial neural networks. <i>IEEE Transactions on Neural Networks</i> , 1997 , 8, 694-713		593
53	Speciation as automatic categorical modularization. <i>IEEE Transactions on Evolutionary Computation</i> , 1997 , 1, 101-108	15.6	70
52	An analysis of evolutionary algorithms based on neighbourhood and step sizes. <i>Lecture Notes in Computer Science</i> , 1997 , 297-307	0.9	21
51	EPNet for chaotic time-series prediction. <i>Lecture Notes in Computer Science</i> , 1997 , 146-156	0.9	8
50	Promises and challenges of Evolvable hardware. <i>Lecture Notes in Computer Science</i> , 1997 , 55-78	0.9	27
49	Parallel genetic algorithm on PVM. <i>Wuhan University Journal of Natural Sciences</i> , 1996 , 1, 605-610	0.4	1
48	Evolutionary stability in the n-person iterated prisoner's dilemma. <i>BioSystems</i> , 1996 , 37, 189-97	1.9	27

47	Every niching method has its niche: Fitness sharing and implicit sharing compared. <i>Lecture Notes in Computer Science</i> , 1996 , 398-407	0.9	32
46	An experimental study of N-Person Iterated Prisoner's Dilemma games. <i>Lecture Notes in Computer Science</i> , 1995 , 90-108	0.9	14
45	Call routing by simulated annealing. <i>International Journal of Electronics</i> , 1995 , 79, 379-387	1.2	2
44	A new simulated annealing algorithm. <i>International Journal of Computer Mathematics</i> , 1995 , 56, 161-168	1.2	54
43	A note on neural sorting networks with $O(1)$ time complexity. <i>Information Processing Letters</i> , 1995 , 56, 253-254	0.8	1
42	The Evolution of Connectionist Networks. <i>Studies in Cognitive Systems</i> , 1994 , 233-243		4
41	Evolutionary artificial neural networks. <i>International Journal of Neural Systems</i> , 1993 , 4, 203-22	6.2	146
40	A review of evolutionary artificial neural networks. <i>International Journal of Intelligent Systems</i> , 1993 , 8, 539-567	8.4	286
39	An empirical study of genetic operators in genetic algorithms. <i>Microprocessing and Microprogramming</i> , 1993 , 38, 707-714		52
38	Finding approximate solutions to NP-hard problems by neural networks is hard. <i>Information Processing Letters</i> , 1992 , 41, 93-98	0.8	32
37	A Study of Maximum Matching on Boltzmann Machines 1992 , 965-968		
36	General simulated annealing. <i>Journal of Computer Science and Technology</i> , 1991 , 6, 329-338	1.7	7
35	Simulated annealing with extended neighbourhood. <i>International Journal of Computer Mathematics</i> , 1991 , 40, 169-189	1.2	51
34	Solving optimal control problems with a cost changing control by evolutionary algorithms		4
33	Analysing crossover operators by search step size		3
32	Global optimisation by evolutionary algorithms		5
31	The importance of maintaining behavioural link between parents and offspring		2
30	Robust Solution of Salting Route Optimisation Using Evolutionary Algorithms		19

29	Speciation Techniques in Evolved Ensembles with Negative Correlation Learning	1
28	Finding Clusters in Gene Expression Data Using EvoCluster41-66	
27	Cost-sensitive classification with genetic programming	4
26	A GA approach to the optimal placement of sensors in wireless sensor networks with obstacles and preferences	
25	Evolutionary Multiobjective Ensemble Learning Based on Bayesian Feature Selection	3
24	Non-standard cost terminal assignment problems using tabu search approach	1
23	Evolutionary search and constraint violations	14
22	Parallel evolutionary programming	2
21	Dynamic salting route optimisation using evolutionary computation	18
20	Co-evolutionary modular neural networks for automatic problem decomposition	16
19	Evolving a cooperative population of neural networks by minimizing mutual information	2
18	Why more choices cause less cooperation in iterated prisoner's dilemma	21
17	Getting most out of evolutionary approaches	1
16	Continuous selection and self-adaptive evolution strategies	3
15	Exploiting ensemble diversity for automatic feature extraction	4
14	Using multiple representations in evolutionary algorithms	10
13	Lamarckian evolution in global optimization	1
12	Evolving neural networks for Hang Seng stock index forecast	3

11	Digital filter design using multiple Pareto fronts	4
10	Evolutionary algorithms with adaptive Levy mutations	2
9	A cooperative ensemble learning system	3
8	Combining landscape approximation and local search in global optimization	4
7	How does evolutionary computation fit into IT postgraduate teaching	1
6	Neural networks for breast cancer diagnosis	2
5	Evolving materialized views in data warehouse	4
4	A dilemma for fitness sharing with a scaling function	16
3	Automatic modularization by speciation	22
2	Online algorithm configuration for differential evolution algorithm. <i>Applied Intelligence</i> ,1	4.9
1	Recidivism early warning model based on rough sets and the improved K-prototype clustering algorithm and a back propagation neural network. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7 1