Kay Chen Tan

List of Publications by Year in Descending Order

216 papers	5,181 citations	33 h-index	66 g-index
250 ext. papers	7,001 ext. citations	6.5 avg, IF	6.57 L-index

#	Paper	IF	Citations
216	Evolutionary Architectural Search for Generative Adversarial Networks. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2022**, 1-12	4.1	3
215	Contrastive Learning Assisted-Alignment for Partial Domain Adaptation.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	2
214	Evolutionary Large-Scale Multi-Objective Optimization: A Survey. *ACM Computing Surveys*, **2022**, 54, 1-34	13.4	12
213	A Fast Dynamic Evolutionary Multiobjective Algorithm via Manifold Transfer Learning. *IEEE Transactions on Cybernetics*, **2021**, 51, 3417-3428	10.2	15
212	A Comprehensive Competitive Swarm Optimizer for Large-Scale Multiobjective Optimization. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-14	7.3	2
211	Optimizing Niche Center for Multimodal Optimization Problems.. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	1
210	Graph-Based Class-Imbalance Learning With Label Enhancement.. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	3
209	A Multi-Variation Multifactorial Evolutionary Algorithm for Large-Scale Multi-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	2
208	A Bi-Objective Constrained Robust Gate Assignment Problem: Formulation, Instances and Algorithm. *IEEE Transactions on Cybernetics*, **2021**, 51, 4488-4500	10.2	4
207	Identifying Autism Spectrum Disorder From Resting-State fMRI Using Deep Belief Network. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2847-2861	10.3	16
206	Individual-Based Transfer Learning for Dynamic Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, 51, 4968-4981	10.2	14
205	Identification of Autistic Risk Candidate Genes and Toxic Chemicals via Multilabel Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3971-3984	10.3	3
204	A decomposition-based evolutionary algorithm for scalable multi/many-objective optimization. *Memetic Computing*, **2021**, 13, 413-432	3.4	1
203	A Multipopulation Evolutionary Algorithm for Solving Large-Scale Multimodal Multiobjective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 405-418	15.6	14
202	. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 492-507	15.6	1
201	Paired Offspring Generation for Constrained Large-Scale Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 448-462	15.6	7
200	Evolutionary Multiobjective Optimization Driven by Generative Adversarial Networks (GANs). *IEEE Transactions on Cybernetics*, **2021**, 51, 3129-3142	10.2	32

199	Solving Large-Scale Multiobjective Optimization Problems With Sparse Optimal Solutions via Unsupervised Neural Networks. *IEEE Transactions on Cybernetics*, **2021**, 51, 3115-3128	10.2	33
198	Evolving Deep Neural Networks via Cooperative Coevolution With Backpropagation. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 420-434	10.3	6
197	Explicit Evolutionary Multitasking for Combinatorial Optimization: A Case Study on Capacitated Vehicle Routing Problem. *IEEE Transactions on Cybernetics*, **2021**, 51, 3143-3156	10.2	32
196	Robust Environmental Sound Recognition With Sparse Key-Point Encoding and Efficient Multispike Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 625-638	10.3	7
195	An Effective Knowledge Transfer Approach for Multiobjective Multitasking Optimization. *IEEE Transactions on Cybernetics*, **2021**, 51, 3238-3248	10.2	21
194	Toward Adaptive Knowledge Transfer in Multifactorial Evolutionary Computation. *IEEE Transactions on Cybernetics*, **2021**, 51, 2563-2576	10.2	33
193	Numerical Spiking Neural P Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2443-2457	10.3	17
192	Hyperspectral Endmember Extraction by ($\alpha+$)Multiobjective Differential Evolution Algorithm Based on Ranking Multiple Mutations. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 2352-2364	8.1	4
191	People-Centric Evolutionary System for Dynamic Production Scheduling. *IEEE Transactions on Cybernetics*, **2021**, 51, 1403-1416	10.2	11
190	Solving Generalized Vehicle Routing Problem With Occasional Drivers via Evolutionary Multitasking. *IEEE Transactions on Cybernetics*, **2021**, 51, 3171-3184	10.2	21
189	Manifold Learning-Inspired Mating Restriction for Evolutionary Multiobjective Optimization With Complicated Pareto Sets. *IEEE Transactions on Cybernetics*, **2021**, 51, 3325-3337	10.2	14
188	A Multifactorial Optimization Framework Based on Adaptive Intertask Coordinate System. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
187	Constructing Accurate and Efficient Deep Spiking Neural Networks With Double-Threshold and Augmented Schemes. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	5
186	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
185	Manifold Interpolation for Large-Scale Multiobjective Optimization via Generative Adversarial Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	2
184	Transfer Learning Based Parallel Evolutionary Algorithm Framework for Bi-Level Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	1
183	Progressive Tandem Learning for Pattern Recognition with Deep Spiking Neural Networks. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	4
182	Temporal Encoding and Multispike Learning Framework for Efficient Recognition of Visual Patterns. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	2

163	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-17	7.3	5
162	A Fuzzy Decomposition-Based Multi/Many-Objective Evolutionary Algorithm. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	3
161	Multi-Task Learning for Efficient Diagnosis of ASD and ADHD using Resting-State fMRI Data **2020**,		1
160	Towards Faster Vehicle Routing by Transferring Knowledge From Customer Representation. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 1-14	6.1	4
159	Improving Deep Learning based Optical Character Recognition via Neural Architecture Search **2020**,		3
158	Learning From Weakly Labeled Data Based on Manifold Regularized Sparse Model. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
157	Large-Scale optimization via Evolutionary Multitasking assisted Random Embedding **2020**,		5
156	A Recommender System for Metaheuristic Algorithms for Continuous Optimization Based on Deep Recurrent Neural Networks. *IEEE Transactions on Artificial Intelligence*, **2020**, 1, 5-18	4.7	12
155	Fast hypervolume approximation scheme based on a segmentation strategy. *Information Sciences*, **2020**, 509, 320-342	7.7	8
154	Bipartite Differential Neural Network for Unsupervised Image Change Detection. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 876-890	10.3	19
153	A Subregion Division-Based Evolutionary Algorithm With Effective Mating Selection for Many-Objective Optimization. *IEEE Transactions on Cybernetics*, **2020**, 50, 3477-3490	10.2	22
152	A Mixture-of-Experts Prediction Framework for Evolutionary Dynamic Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2020**, 50, 5099-5112	10.2	18
151	A Unified Entropy-Based Distance Metric for Ordinal-and-Nominal-Attribute Data Clustering. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 39-52	10.3	10
150	Objective-Domain Dual Decomposition: An Effective Approach to Optimizing Partially Differentiable Objective Functions. *IEEE Transactions on Cybernetics*, **2020**, 50, 923-934	10.2	0
149	Affine Transformation-Enhanced Multifactorial Optimization for Heterogeneous Problems. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	33
148	Solving Dynamic Multi-objective Optimization Problems Using Incremental Support Vector Machine **2019**,		1
147	Finding High-Dimensional D-Optimal Designs for Logistic Models via Differential Evolution. *IEEE Access*, **2019**, 7, 7133-7146	3.5	11
146	An Evolutionary Constraint-Handling Technique for Parametric Optimization of a Cancer Immunotherapy Model. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2019**, 3, 151-162	4.1	5

145	Deep infrared pedestrian classification based on automatic image matting. *Applied Soft Computing Journal*, **2019**, 77, 484-496	7.5	8
144	Multiobjective Sparse Non-Negative Matrix Factorization. *IEEE Transactions on Cybernetics*, **2019**, 49, 2941-2954	10.2	15
143	Genetic Programming for Job Shop Scheduling. *Studies in Computational Intelligence*, **2019**, 143-167	0.8	6
142	A Cost-Sensitive Deep Belief Network for Imbalanced Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 109-122	10.3	87
141	Evolutionary Multitasking via Explicit Autoencoding. *IEEE Transactions on Cybernetics*, **2019**, 49, 3457-3470	10.2	98
140	Gate-Layer Autoencoders with Application to Incomplete EEG Signal Recovery **2019**,		3
139	Evolutionary Dynamic Multi-objective Optimization via Regression Transfer Learning **2019**,		1
138	Evolutionary Many-Objective Algorithm Using Decomposition-Based Dominance Relationship. *IEEE Transactions on Cybernetics*, **2019**, 49, 4129-4139	10.2	19
137	Spike Timing or Rate? Neurons Learn to Make Decisions for Both Through Threshold-Driven Plasticity. *IEEE Transactions on Cybernetics*, **2019**, 49, 2178-2189	10.2	21
136	QoS-Aware Web Service Selection with Internal Complementarity. *IEEE Transactions on Services Computing*, **2019**, 12, 276-289	4.8	5
135	Cognitive Navigation by Neuro-Inspired Localization, Mapping, and Episodic Memory. *IEEE Transactions on Cognitive and Developmental Systems*, **2018**, 10, 751-761	3	24
134	Special Issue of BICS 2016. *Cognitive Computation*, **2018**, 10, 282-283	4.4	
133	Sparse Temporal Encoding of Visual Features for Robust Object Recognition by Spiking Neurons. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5823-5833	10.3	17
132	A New Differential Evolution Algorithm for Minimax Optimization in Robust Design. *IEEE Transactions on Cybernetics*, **2018**, 48, 1355-1368	10.2	42
131	Adjust weight vectors in MOEA/D for bi-objective optimization problems with discontinuous Pareto fronts. *Soft Computing*, **2018**, 22, 3997-4012	3.5	18
130	A Generic Deep-Learning-Based Approach for Automated Surface Inspection. *IEEE Transactions on Cybernetics*, **2018**, 48, 929-940	10.2	225
129	Spatio-Spectral Representation Learning for Electroencephalographic Gait-Pattern Classification. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2018**, 26, 1858-1867	4.8	26
128	Adaptive charting genetic programming for dynamic flexible job shop scheduling **2018**,		3

109	On the analysis and evaluation of prosody conversion techniques **2017**,		4
108	A Benchmark Test Suite for Dynamic Evolutionary Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2017**, 47, 461-472	10.2	32
107	Automatic EEG Artifact Removal Techniques by Detecting Influential Independent Components. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2017**, 1, 270-279	4.1	23
106	A Spiking Neural Network Model for Sound Recognition. *Communications in Computer and Information Science*, **2017**, 584-594	0.3	6
105	Multiobjective Deep Belief Networks Ensemble for Remaining Useful Life Estimation in Prognostics. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 2306-2318	10.3	310
104	Evolutionary Cluster-Based Synthetic Oversampling Ensemble (ECO-Ensemble) for Imbalance Learning. *IEEE Transactions on Cybernetics*, **2017**, 47, 2850-2861	10.2	78
103	Solving Multiobjective Optimization Problems in Unknown Dynamic Environments: An Inverse Modeling Approach. *IEEE Transactions on Cybernetics*, **2017**, 47, 4223-4234	10.2	33
102	Two-stage assortative mating for multi-objective multifactorial evolutionary optimization **2017**,		16
101	CIS Publication Spotlight [Publication Spotlight]. *IEEE Computational Intelligence Magazine*, **2017**, 12, 6-9	5.6	
100	A data-driven prognostics framework for tool remaining useful life estimation in tool condition monitoring **2017**,		10
99	Transformation of prosody in voice conversion **2017**,		8
98	Sparse representation of phonetic features for voice conversion with and without parallel data **2017**,		11
97	Decomposition based dominance relationship for evolutionary many-objective algorithm **2017**,		3
96	A Spiking Neural Network System for Robust Sequence Recognition. *Intelligent Systems Reference Library*, **2017**, 89-113	0.8	1
95	A Spike-Timing Based Integrated Model for Pattern Recognition. *Intelligent Systems Reference Library*, **2017**, 43-63	0.8	
94	Decomposition-based multi-objective evolutionary algorithm for vehicle routing problem with stochastic demands. *Soft Computing*, **2016**, 20, 3443-3453	3.5	22
93	A Spiking Neural Network System for Robust Sequence Recognition. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 621-35	10.3	57
92	Decompositional independent component analysis using multi-objective optimization. *Soft Computing*, **2016**, 20, 1289-1304	3.5	15

91	A time window neural network based framework for Remaining Useful Life estimation **2016**,		23
90	Training cost-sensitive Deep Belief Networks on imbalance data problems **2016**,		27
89	Solving the IEEE CEC 2015 Dynamic Benchmark Problems Using Kalman Filter Based Dynamic Multiobjective Evolutionary Algorithm. *Proceedings in Adaptation, Learning and Optimization*, **2016**, 239-252	0.2	7
88	Evolutionary Dynamic Multiobjective Optimization Via Kalman Filter Prediction. *IEEE Transactions on Cybernetics*, **2016**, 46, 2862-2873	10.2	107
87	Computational Intelligence for Brain Computer Interface [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2016**, 11, 18-18	5.6	1
86	Adaptive Cross-Generation Differential Evolution Operators for Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 232-244	15.6	71
85	Multiway analysis of EEG artifacts based on Block Term Decomposition **2016**,		6
84	A novel grid-based differential evolution (DE) algorithm for many-objective optimization **2016**,		4
83	Interoperable multi-agent framework for unmanned aerial/ground vehicles: towards robot autonomy. *Complex & Intelligent Systems*, **2016**, 2, 45-59	7.1	18
82	Adaptive memetic computing for evolutionary multiobjective optimization. *IEEE Transactions on Cybernetics*, **2015**, 45, 610-21	10.2	50
81	A Dispatching rule based Genetic Algorithm for Order Acceptance and Scheduling **2015**,		6
80	A New Framework for Self-adapting Control Parameters in Multi-objective Optimization **2015**,		1
79	A Novel Multi-objective Optimization Framework Combining NSGA-II and MOEA/D. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 227-237	0.2	
78	Automatic programming via iterated local search for dynamic job shop scheduling. *IEEE Transactions on Cybernetics*, **2015**, 45, 1-14	10.2	94
77	A Spiking Neural Network Model for Associative Memory Using Temporal Codes. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 561-572	0.2	2
76	A hybrid evolutionary multiobjective optimization algorithm with adaptive multi-fitness assignment. *Soft Computing*, **2015**, 19, 3249-3259	3.5	11
75	CIS Publication Spotlight [Publication Spotlight]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 5-7	5.6	
74	Evolutionary big optimization (BigOpt) of signals **2015**,		30

73	Deep Belief Networks Ensemble with Multi-objective Optimization for Failure Diagnosis **2015**,		27
72	Enhancing genetic programming based hyper-heuristics for dynamic multi-objective job shop scheduling problems **2015**,		12
71	. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 542-559	15.6	62
70	An Opposition-based Self-adaptive Hybridized Differential Evolution Algorithm for Multi-objective Optimization (OSADE). *Proceedings in Adaptation, Learning and Optimization*, **2015**, 447-461	0.2	6
69	Application of Precise-Spike-Driven Rule in Spiking Neural Networks for Optical Character Recognition. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 65-75	0.2	0
68	Automatic Design of Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling via Cooperative Coevolution Genetic Programming. *IEEE Transactions on Evolutionary Computation*, **2014**, 18, 193-208	15.6	153
67	A brain-inspired spiking neural network model with temporal encoding and learning. *Neurocomputing*, **2014**, 138, 3-13	5.4	72
66	Genetic programming for evolving due-date assignment models in job shop environments. *Evolutionary Computation*, **2014**, 22, 105-38	4.3	28
65	Solving Vehicle Routing Problem with Stochastic Demand Using Multi-objective Evolutionary Algorithm **2014**,		1
64	Learning believable game agents using sensor noise and action histogram. *Memetic Computing*, **2014**, 6, 215-232	3.4	1
63	Selection Schemes in Surrogate-Assisted Genetic Programming for Job Shop Scheduling. *Lecture Notes in Computer Science*, **2014**, 656-667	0.9	12
62	A novel Differential Evolution (DE) algorithm for multi-objective optimization **2014**,		2
61	Diversity preservation with hybrid recombination for evolutionary multiobjective optimization **2014**,		1
60	Artifact Removal from EEG Using a Multi-objective Independent Component Analysis Model. *Lecture Notes in Computer Science*, **2014**, 570-577	0.9	15
59	A Novel Hybrid Multi-objective Optimization Framework: Rotating the Objective Space. *Lecture Notes in Computer Science*, **2014**, 192-203	0.9	
58	Learning iterative dispatching rules for job shop scheduling with genetic programming. *International Journal of Advanced Manufacturing Technology*, **2013**, 67, 85-100	3.2	43
57	Enhancing the scalability of multi-objective optimization via restricted Boltzmann machine-based estimation of distribution algorithm. *Information Sciences*, **2013**, 248, 191-213	7.7	16
56	Dynamic Multiobjective Optimization Using Evolutionary Algorithm with Kalman Filter. *Procedia Computer Science*, **2013**, 24, 66-75	1.6	31

55	Hybrid evolutionary computation methods for quay crane scheduling problems. *Computers and Operations Research*, **2013**, 40, 2083-2093	4.6	30
54	*. IEEE Transactions on Evolutionary Computation*, **2013**, 17, 666-685	15.6	136
53	A Computational Study of Representations in Genetic Programming to Evolve Dispatching Rules for the Job Shop Scheduling Problem. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 621-639	15.6	134
52	Rapid feedforward computation by temporal encoding and learning with spiking neurons. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 1539-52	10.3	89
51	A hierarchical organized memory model using spiking neurons **2013**,		1
50	A hippocampus CA3 spiking neural network model for storage and retrieval of sequential memory **2013**,		1
49	An Energy-Based Sampling Technique for Multi-Objective Restricted Boltzmann Machine. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 767-785	15.6	7
48	Multi-objective optimization with estimation of distribution algorithm in a noisy environment. *Evolutionary Computation*, **2013**, 21, 149-77	4.3	31
47	Evolutionary Complex Engineering Optimization [Editor's Remarks]. *IEEE Computational Intelligence Magazine*, **2013**, 8, 2-6	5.6	
46	Precise-spike-driven synaptic plasticity: learning hetero-association of spatiotemporal spike patterns. *PLoS ONE*, **2013**, 8, e78318	3.7	98
45	Dynamic Multi-objective Job Shop Scheduling: A Genetic Programming Approach. *Studies in Computational Intelligence*, **2013**, 251-282	0.8	32
44	A Novel Diversity Maintenance Scheme for Evolutionary Multi-objective Optimization. *Lecture Notes in Computer Science*, **2013**, 270-277	0.9	5
43	Machine Learning Enhanced Multi-Objective Evolutionary Algorithm Based on Decomposition. *Lecture Notes in Computer Science*, **2013**, 553-560	0.9	5
42	Type-2 Fuzzy Logic - Plodding on Steadily and Staying Relevant [Editor's Remarks]. *IEEE Computational Intelligence Magazine*, **2012**, 7, 2-8	5.6	
41	A coevolution genetic programming method to evolve scheduling policies for dynamic multi-objective job shop scheduling problems **2012**,		11
40	Propelling Bioinformatics a Notch Higher [Editor's Remarks]. *IEEE Computational Intelligence Magazine*, **2012**, 7, 2-12	5.6	
39	Evolving Reusable Operation-Based Due-Date Assignment Models for Job Shop Scheduling with Genetic Programming. *Lecture Notes in Computer Science*, **2012**, 121-133	0.9	10
38	Nothing's Too Small to Have an Impact [Editor's Remarks]. *IEEE Computational Intelligence Magazine*, **2011**, 6, 2-2	5.6	

37	'Tis the Season to be Healthy! [Editor's Remarks]. *IEEE Computational Intelligence Magazine*, **2011**, 6, 2-10	5.6	
36	Dynamic Game Difficulty Scaling Using Adaptive Behavior-Based AI. *IEEE Transactions on Games*, **2011**, 3, 289-301		32
35	A Multi-Facet Survey on Memetic Computation. *IEEE Transactions on Evolutionary Computation*, **2011**, 15, 591-607	15.6	408
34	Evolutionary algorithms for solving multi-objective travelling salesman problem. *Flexible Services and Manufacturing Journal*, **2011**, 23, 207-241	1.8	19
33	Restricted Boltzmann machine based algorithm for multi-objective optimization **2010**,		22
32	An investigation on sampling technique for multi-objective restricted Boltzmann machine **2010**,		2
31	Preface for the special volume on Computational Intelligence in Scheduling. *Annals of Operations Research*, **2010**, 180, 1-2	3.2	1
30	A predictive gradient strategy for multiobjective evolutionary algorithms in a fast changing environment. *Memetic Computing*, **2010**, 2, 87-110	3.4	93
29	Probabilistic Based Evolutionary Optimizers in Bi-objective Travelling Salesman Problem. *Lecture Notes in Computer Science*, **2010**, 588-592	0.9	4
28	Public Goods Provision: An Evolutionary Game Theoretic Study Under Asymmetric Information. *IEEE Transactions on Games*, **2009**, 1, 105-120		2
27	. *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 303-320	15.6	14
26	A Competitive-Cooperative Coevolutionary Paradigm for Dynamic Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 103-127	15.6	329
25	Evolutionary Game Theoretic Approach for Modeling Civil Violence. *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 780-800	15.6	35
24	Nontrivial global attractors in 2-D multistable attractor neural networks. *IEEE Transactions on Neural Networks*, **2009**, 20, 1842-51		9
23	Analysis of continuous attractors for 2-D linear threshold neural networks. *IEEE Transactions on Neural Networks*, **2009**, 20, 175-80		10
22	Dynamic Evolutionary Multi-objective Optimization. *Studies in Computational Intelligence*, **2009**, 125-152	0.8	4
21	Interference-less neural network training. *Neurocomputing*, **2008**, 71, 3509-3524	5.4	13
20	A memetic evolutionary search algorithm with variable length chromosome for rule extraction. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	1

#	Title		
19	Handling Uncertainties in Evolutionary Multi-Objective Optimization **2008**, 262-292		11
18	Hybrid multiobjective evolutionary design for artificial neural networks. *IEEE Transactions on Neural Networks*, **2008**, 19, 1531-48		65
17	A Multi-Objective Multi-Colony Ant Algorithm for Solving the Berth Allocation Problem. *Studies in Computational Intelligence*, **2008**, 333-350	0.8	7
16	Feed Optimization for Fluidized Catalytic Cracking using a Multi-Objective Evolutionary Algorithm. *Advances in Process Systems Engineering*, **2008**, 277-299		
15	Designing a Recurrent Neural Network-based Controller for Gyro-Mirror Line-of-Sight Stabilization System using an Artificial Immune Algorithm. *Studies in Computational Intelligence*, **2007**, 189-209	0.8	1
14	Reliability evaluation of power-generating systems including time-dependent sources based on binary particle swarm optimization **2007**,		5
13	Molecular Dynamics Optimizer **2007**, 302-316		1
12	A Multi-Objective Evolutionary Algorithm for Channel Routing Problems. *Studies in Computational Intelligence*, **2007**, 405-436	0.8	
11	Evolving the Tradeoffs between Pareto-Optimality and Robustness in Multi-Objective Evolutionary Algorithms. *Studies in Computational Intelligence*, **2007**, 457-478	0.8	11
10	Multiobjective Evolutionary Neural Networks for Time Series Forecasting **2007**, 346-360		5
9	Adequacy of Empirical Performance Assessment for Multiobjective Evolutionary Optimizer **2007**, 893-907		2
8	Using the OPC standard for real-time process monitoring and control. *IEEE Software*, **2005**, 22, 54-59	1.5	18
7	CAutoCSD-evolutionary search and optimisation enabled computer automated control system design. *International Journal of Automation and Computing*, **2004**, 1, 76-88	3.5	27
6	Fault-tolerant vibration control in a networked and embedded rocket fairing system. *IEEE Transactions on Industrial Electronics*, **2004**, 51, 1127-1141	8.9	18
5	Vehicle capacity planning system: a case study on vehicle routing problem with time windows. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2003**, 33, 169-178		37
4	Evolutionary artificial potential fields and their application in real time robot path planning		99
3	Solving large-scale multiobjective optimization via the probabilistic prediction model. *Memetic Computing*,1	3.4	1
2	A survey, taxonomy and progress evaluation of three decades of swarm optimisation. *Artificial Intelligence Review*,1	9.7	0

1   A survey on evolutionary computation for complex continuous optimization. *Artificial Intelligence*
       Review,1   9.7   34