

Ponnuthurai N Suganthan

List of Publications by Year in Descending Order

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Version: 2022-10-05

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

390
papers

26,794
citations

77
h-index

158
g-index

435
ext. papers

30,753
ext. citations

5.5
avg, IF

7.91
L-index

#	Paper	IF	Citations
390	Differential evolution with orthogonal array-based initialization and a novel selection strategy. <i>Swarm and Evolutionary Computation</i> , 2022 , 68, 101010	9.2	1
389	Bayesian optimization based dynamic ensemble for time series forecasting. <i>Information Sciences</i> , 2022 , 591, 155-175	7.2	2
388	Benchmarking Optimization-Based Energy Disaggregation Algorithms. <i>Energies</i> , 2022 , 15, 1600	3	
387	A novel dependency-oriented mixed-attribute data classification method. <i>Expert Systems With Applications</i> , 2022 , 199, 116782	7.5	
386	Representation learning using deep random vector functional link networks for clustering. <i>Pattern Recognition</i> , 2022 , 129, 108744	7.1	0
385	Alzheimer's Disease Diagnosis via Intuitionistic Fuzzy Random Vector Functional Link Network. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-12	4	1
384	Task Scheduling in Cloud Computing based on Meta-heuristics: Review, Taxonomy, Open Challenges, and Future Trends. <i>Swarm and Evolutionary Computation</i> , 2021 , 62, 100841	9.2	35
383	Differential evolution using improved crowding distance for multimodal multiobjective optimization. <i>Swarm and Evolutionary Computation</i> , 2021 , 62, 100849	9.2	17
382	An ensemble approach with external archive for multi- and many-objective optimization with adaptive mating mechanism and two-level environmental selection. <i>Information Sciences</i> , 2021 , 555, 164-197	7.2	6
381	Major Advances in Particle Swarm Optimization: Theory, Analysis, and Application. <i>Swarm and Evolutionary Computation</i> , 2021 , 63, 100868	9.2	36
380	Optimal placement and sizing of FACTS devices for optimal power flow in a wind power integrated electrical network. <i>Neural Computing and Applications</i> , 2021 , 33, 6753-6774	4.5	10
379	Remodelling State-Space Prediction With Deep Neural Networks for Probabilistic Load Forecasting. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-10	3.5	3
378	A Hybrid Iterated Greedy Algorithm for a Crane Transportation Flexible Job Shop Problem. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-18	4.2	13
377	Evolutionary many-Objective algorithm based on fractional dominance relation and improved objective space decomposition strategy. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100776	9.2	14
376	A Novel Ensemble Method of RVFL For Classification Problem 2021 ,		1
375	A Tutorial On the design, experimentation and application of metaheuristic algorithms to real-World optimization problems. <i>Swarm and Evolutionary Computation</i> , 2021 , 64, 100888	9.2	29
374	On the origins of randomization-based feedforward neural networks. <i>Applied Soft Computing Journal</i> , 2021 , 105, 107239	7.2	12

373	Ensemble of classification models with weighted functional link network. <i>Applied Soft Computing Journal</i> , 2021 , 107, 107322	7.2	8
372	Walk-forward empirical wavelet random vector functional link for time series forecasting. <i>Applied Soft Computing Journal</i> , 2021 , 108, 107450	7.2	4
371	Random vector functional link neural network based ensemble deep learning. <i>Pattern Recognition</i> , 2021 , 117, 107978	7.1	19
370	Design and modeling of adaptive IIR filtering systems using a weighted sum - variable length particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2021 , 109, 107529	7.2	6
369	Real-parameter constrained optimization using enhanced quality-based cultural algorithm with novel influence and selection schemes. <i>Information Sciences</i> , 2021 , 576, 242-273	7.2	0
368	Time series classification using diversified Ensemble Deep Random Vector Functional Link and Resnet features. <i>Applied Soft Computing Journal</i> , 2021 , 112, 107826	7.2	0
367	A Benchmark-Suite of real-World constrained multi-objective optimization problems and some baseline results. <i>Swarm and Evolutionary Computation</i> , 2021 , 67, 100961	9.2	4
366	A Voting-Mechanism based Ensemble Framework for Constraint Handling Techniques. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	13.3	2
365	Hybrid Multi-Objective Optimization Approach With Pareto Local Search for Collaborative Truck-Drone Routing Problems Considering Flexible Time Windows. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-15	5.1	2
364	A Greedy Cooperative Co-evolution ary Algorithm with Problem-specific Knowledge for Multi-objective Flowshop Group Scheduling Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	13.3	6
363	Multi-objective optimal power flow solutions using a constraint handling technique of evolutionary algorithms. <i>Soft Computing</i> , 2020 , 24, 2999-3023	3.4	25
362	Heterogeneous oblique random forest. <i>Pattern Recognition</i> , 2020 , 99, 107078	7.1	39
361	Oblique Decision Tree Ensemble via Twin Bounded SVM. <i>Expert Systems With Applications</i> , 2020 , 143, 113072	7.5	20
360	A survey on meta-heuristics for solving disassembly line balancing, planning and scheduling problems in remanufacturing. <i>Swarm and Evolutionary Computation</i> , 2020 , 57, 100719	9.2	30
359	Non-iterative Learning Approaches and Their Applications. <i>Cognitive Computation</i> , 2020 , 12, 327-329	4.1	1
358	A test-suite of non-convex constrained optimization problems from the real-world and some baseline results. <i>Swarm and Evolutionary Computation</i> , 2020 , 56, 100693	9.2	59
357	Chaotic Heterogeneous Comprehensive Learning Particle Swarm Optimizer Variants for Permanent Magnet Synchronous Motor Models Parameters Estimation. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 1299-1318	1.9	2
356	Least squares KNN-based weighted multiclass twin SVM. <i>Neurocomputing</i> , 2020 ,	5	10

355	Regularized robust fuzzy least squares twin support vector machine for class imbalance learning 2020 ,		6
354	MMOGA for Solving Multimodal Multiobjective Optimization Problems with Local Pareto Sets 2020 ,		1
353	Large Initial Population and Neighborhood Search incorporated in LSHADE to solve CEC2020 Benchmark Problems 2020 ,		5
352	A Differential Evolution Algorithm with Q-Learning for Solving Engineering Design Problems 2020 ,		3
351	An Autonomous Path Planning Method for Unmanned Aerial Vehicle Based on a Tangent Intersection and Target Guidance Strategy. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-13	5.1	3
350	Ensemble Many-Objective Optimization Algorithm Based on Voting Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-15	6.2	7
349	Classification of Stock Market Trends with Confidence-Based Selective Predictions. <i>Communications in Computer and Information Science</i> , 2020 , 93-104	0.3	
348	Adaptive Ensemble Variants of Random Vector Functional Link Networks. <i>Communications in Computer and Information Science</i> , 2020 , 30-37	0.3	
347	Oblique Random Forests on Residual Network Features. <i>Lecture Notes in Computer Science</i> , 2020 , 306-317	8	
346	Minimum Variance Embedded Random Vector Functional Link Network. <i>Communications in Computer and Information Science</i> , 2020 , 412-419	0.3	4
345	Static and dynamic photovoltaic models parameters identification using Chaotic Heterogeneous Comprehensive Learning Particle Swarm Optimizer variants. <i>Energy Conversion and Management</i> , 2019 , 182, 546-563	10.4	87
344	Dynamic economic emission dispatch based on multi-objective pigeon-inspired optimization with double disturbance. <i>Science China Information Sciences</i> , 2019 , 62, 1	3	4
343	Bio-inspired computation: Where we stand and what's next. <i>Swarm and Evolutionary Computation</i> , 2019 , 48, 220-250	9.2	244
342	General twin support vector machine with pinball loss function. <i>Information Sciences</i> , 2019 , 494, 311-327	7.2	41
341	An Adaptive Resource Allocation Strategy for Objective Space Partition-Based Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-16	6.2	27
340	Fusion of multiple indicators with ensemble incremental learning techniques for stock price forecasting. <i>Journal of Banking and Financial Technology</i> , 2019 , 3, 33-42	2.4	10
339	Bacterial foraging optimization algorithm in robotic cells with sequence-dependent setup times. <i>Knowledge-Based Systems</i> , 2019 , 172, 104-122	6.9	17
338	Comparison between MOEA/D and NSGA-III on a set of novel many and multi-objective benchmark problems with challenging difficulties. <i>Swarm and Evolutionary Computation</i> , 2019 , 46, 104-117	9.2	76

337	\$I_{\text{SDE}}\$ + An Indicator for Multi and Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 346-352	13.3	65
336	Parameter estimation of solar cells using datasheet information with the application of an adaptive differential evolution algorithm. <i>Renewable Energy</i> , 2019 , 132, 425-438	7.9	85
335	Comprehensive evaluation of twin SVM based classifiers on UCI datasets. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105617	7.2	25
334	Stacked autoencoder based deep random vector functional link neural network for classification. <i>Applied Soft Computing Journal</i> , 2019 , 85, 105854	7.2	29
333	Ensemble strategies for population-based optimization algorithms – A survey. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 695-711	9.2	96
332	Solving Traffic Signal Scheduling Problems in Heterogeneous Traffic Network by Using Meta-Heuristics. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 3272-3282	5.1	13
331	An efficient Differential Evolution algorithm for stochastic OPF based active-reactive power dispatch problem considering renewable generators. <i>Applied Soft Computing Journal</i> , 2019 , 76, 445-458	7.2	30
330	Optimal reactive power dispatch with uncertainties in load demand and renewable energy sources adopting scenario-based approach. <i>Applied Soft Computing Journal</i> , 2019 , 75, 616-632	7.2	66
329	Meta-Heuristics for Bi-Objective Urban Traffic Light Scheduling Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 2618-2629	5.1	15
328	Flexible Job-Shop Rescheduling for New Job Insertion by Using Discrete Jaya Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1944-1955	8.5	84
327	Solving dynamic economic emission dispatch problem considering wind power by multi-objective differential evolution with ensemble of selection method. <i>Natural Computing</i> , 2019 , 18, 695-703	1.3	12
326	Multiobjective economic-environmental power dispatch with stochastic wind-solar-small hydro power. <i>Energy</i> , 2018 , 150, 1039-1057	7.8	97
325	A balanced fuzzy Cultural Algorithm with a modified Levy flight search for real parameter optimization. <i>Information Sciences</i> , 2018 , 447, 12-35	7.2	14
324	An improved differential evolution algorithm using efficient adapted surrogate model for numerical optimization. <i>Information Sciences</i> , 2018 , 451-452, 326-347	7.2	43
323	Ensemble incremental learning Random Vector Functional Link network for short-term electric load forecasting. <i>Knowledge-Based Systems</i> , 2018 , 145, 182-196	6.9	69
322	High-quality face image generated with conditional boundary equilibrium generative adversarial networks. <i>Pattern Recognition Letters</i> , 2018 , 111, 72-79	4.3	11
321	An improved class of real-coded Genetic Algorithms for numerical optimization?. <i>Neurocomputing</i> , 2018 , 275, 155-166	5	42
320	A survey on multi-objective evolutionary algorithms for the solution of the environmental/economic dispatch problems. <i>Swarm and Evolutionary Computation</i> , 2018 , 38, 1-11	9.2	110

319	Ensemble of differential evolution variants. <i>Information Sciences</i> , 2018 , 423, 172-186	7.2	177
318	Ensemble of parameters in a sinusoidal differential evolution with niching-based population reduction. <i>Swarm and Evolutionary Computation</i> , 2018 , 39, 141-156	9.2	28
317	Decomposition based multi-objective evolutionary algorithm for windfarm layout optimization. <i>Renewable Energy</i> , 2018 , 115, 326-337	7.9	23
316	An ensemble of decision trees with random vector functional link networks for multi-class classification. <i>Applied Soft Computing Journal</i> , 2018 , 70, 1146-1153	7.2	38
315	Population topologies for particle swarm optimization and differential evolution. <i>Swarm and Evolutionary Computation</i> , 2018 , 39, 24-35	9.2	80
314	Optimal power flow solutions using differential evolution algorithm integrated with effective constraint handling techniques. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 68, 81-100	6.9	98
313	Real-parameter unconstrained optimization based on enhanced fitness-adaptive differential evolution algorithm with novel mutation. <i>Soft Computing</i> , 2018 , 22, 3215-3235	3.4	80
312	Ensemble Incremental Random Vector Functional Link Network for Short-term Crude Oil Price Forecasting 2018 ,		1
311	Dropout and DropConnect based Ensemble of Random Vector Functional Link Neural Network 2018 ,		1
310	Optimal Power Flow Solutions Using Algorithm Success History Based Adaptive Differential Evolution with Linear Population Reduction 2018 ,		2
309	Enhancing Multi-Class Classification of Random Forest using Random Vector Functional Neural Network and Oblique Decision Surfaces 2018 ,		10
308	Distribution Network Reconfiguration Together with Distributed Generator and Shunt Capacitor Allocation for Loss Minimization 2018 ,		5
307	Differential Evolution with Stochastic Selection for Uncertain Environments: A Smart Grid Application 2018 ,		2
306	Multiobjective Evolutionary Optimization 2018 , 1-15		1
305	Letter: On non-iterative learning algorithms with closed-form solution. <i>Applied Soft Computing Journal</i> , 2018 , 70, 1078-1082	7.2	39
304	A hybrid cuckoo search algorithm in parallel batch processing machines with unequal job ready times. <i>Computers and Industrial Engineering</i> , 2018 , 124, 65-76	6.2	11
303	Ensemble particle swarm optimizer. <i>Applied Soft Computing Journal</i> , 2017 , 55, 533-548	7.2	134
302	Optimization of Wind Turbine Rotor Diameters and Hub Heights in a Windfarm Using Differential Evolution Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 131-141	0.4	3

301	Robust visual tracking via co-trained Kernelized correlation filters. <i>Pattern Recognition</i> , 2017 , 69, 82-93	7.1	62
300	Short-term Electricity Price Forecasting with Empirical Mode Decomposition based Ensemble Kernel Machines. <i>Procedia Computer Science</i> , 2017 , 108, 1308-1317	1.6	23
299	Benchmarking Ensemble Classifiers with Novel Co-Trained Kernel Ridge Regression and Random Vector Functional Link Ensembles [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2017 , 12, 61-72	4.8	62
298	Minimizing harmonic distortion in power system with optimal design of hybrid active power filter using differential evolution. <i>Applied Soft Computing Journal</i> , 2017 , 61, 486-496	7.2	37
297	An Ensemble of Kernel Ridge Regression for Multi-class Classification. <i>Procedia Computer Science</i> , 2017 , 108, 375-383	1.6	18
296	A hybrid artificial bee colony algorithm for the job-shop scheduling problem with no-wait constraint. <i>Soft Computing</i> , 2017 , 21, 1193-1202	3.4	51
295	Empirical Mode Decomposition based ensemble deep learning for load demand time series forecasting. <i>Applied Soft Computing Journal</i> , 2017 , 54, 246-255	7.2	230
294	Using variable reduction strategy to accelerate evolutionary optimization. <i>Applied Soft Computing Journal</i> , 2017 , 61, 283-293	7.2	21
293	Stock Price Forecasting with Empirical Mode Decomposition Based Ensemble (nu)-Support Vector Regression Model. <i>Communications in Computer and Information Science</i> , 2017 , 22-34	0.3	2
292	Ensemble sinusoidal differential covariance matrix adaptation with Euclidean neighborhood for solving CEC2017 benchmark problems 2017 ,		59
291	Optimal placement of wind turbines in a windfarm using L-SHADE algorithm 2017 ,		6
290	A novel differential crossover strategy based on covariance matrix learning with Euclidean neighborhood for solving real-world problems 2017 ,		3
289	Optimal power flow solutions incorporating stochastic wind and solar power. <i>Energy Conversion and Management</i> , 2017 , 148, 1194-1207	10.4	153
288	A multiobjective approach for optimal placement and sizing of distributed generators and capacitors in distribution network. <i>Applied Soft Computing Journal</i> , 2017 , 60, 268-280	7.2	61
287	Minimizing THD of multilevel inverters with optimal values of DC voltages and switching angles using LSHADE-EpSin algorithm 2017 ,		5
286	Visual Tracking With Convolutional Random Vector Functional Link Network. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3243-3253	8.5	59
285	CADE: A hybridization of Cultural Algorithm and Differential Evolution for numerical optimization. <i>Information Sciences</i> , 2017 , 378, 215-241	7.2	45
284	An Adaptive Multipopulation Differential Evolution With Dynamic Population Reduction. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2768-2779	8.5	62

283	Computing with the collective intelligence of honey bees [A survey]. <i>Swarm and Evolutionary Computation</i> , 2017 , 32, 25-48	9.2	74
282	Iterated greedy algorithms for the blocking flowshop scheduling problem with makespan criterion. <i>Computers and Operations Research</i> , 2017 , 77, 111-126	4.5	64
281	Robust Visual Tracking Using Oblique Random Forests 2017 ,		35
280	Optimal reconfiguration and distributed generator allocation in distribution network using an advanced adaptive differential evolution 2017 ,		2
279	Short-term wind power ramp forecasting with empirical mode decomposition based ensemble learning techniques 2017 ,		4
278	A heterogeneous ensemble of trees 2017 ,		2
277	Large-Scale Portfolio Optimization Using Multiobjective Evolutionary Algorithms and Preselection Methods. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-14	1	7
276	Oblique random forest ensemble via Least Square Estimation for time series forecasting. <i>Information Sciences</i> , 2017 , 420, 249-262	7.2	41
275	Artificial bee colony algorithm for scheduling and rescheduling fuzzy flexible job shop problem with new job insertion. <i>Knowledge-Based Systems</i> , 2016 , 109, 1-16	6.9	78
274	Economic dispatch using hybrid grey wolf optimizer. <i>Energy</i> , 2016 , 111, 630-641	7.8	178
273	A survey of randomized algorithms for training neural networks. <i>Information Sciences</i> , 2016 , 364-365, 146-155	7.2	155
272	Ensemble Classification and Regression-Recent Developments, Applications and Future Directions [Review Article]. <i>IEEE Computational Intelligence Magazine</i> , 2016 , 11, 41-53	4.8	262
271	Random vector functional link network for short-term electricity load demand forecasting. <i>Information Sciences</i> , 2016 , 367-368, 1078-1093	7.2	133
270	A novel hybrid Cultural Algorithms framework with trajectory-based search for global numerical optimization. <i>Information Sciences</i> , 2016 , 334-335, 219-249	7.2	26
269	Recent advances in differential evolution [An updated survey]. <i>Swarm and Evolutionary Computation</i> , 2016 , 27, 1-30	9.2	835
268	Economic emission dispatch problems with stochastic wind power using summation based multi-objective evolutionary algorithm. <i>Information Sciences</i> , 2016 , 351, 48-66	7.2	72
267	Differential evolution with multi-population based ensemble of mutation strategies. <i>Information Sciences</i> , 2016 , 329, 329-345	7.2	250
266	A comprehensive evaluation of random vector functional link networks. <i>Information Sciences</i> , 2016 , 367-368, 1094-1105	7.2	180

265	Novel benchmark functions for continuous multimodal optimization with comparative results. <i>Swarm and Evolutionary Computation</i> , 2016 , 26, 23-34	9.2	63
264	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 218-231	13.3	18
263	Ensemble and Arithmetic Recombination-Based Speciation Differential Evolution for Multimodal Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 64-74	8.5	65
262	Discrete harmony search algorithm for flexible job shop scheduling problem with multiple objectives. <i>Journal of Intelligent Manufacturing</i> , 2016 , 27, 363-374	6.5	96
261	A Novel Empirical Mode Decomposition With Support Vector Regression for Wind Speed Forecasting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1793-8	8.5	84
260	Multi-objective optimization for shading devices in buildings by using evolutionary algorithms 2016		7
259	Multi-objective harmony search algorithm for layout design in theatre hall acoustics 2016 ,		4
258	Electricity load demand time series forecasting with Empirical Mode Decomposition based Random Vector Functional Link network 2016 ,		5
257	Differential evolution with stochastic fractal search algorithm for global numerical optimization 2016 ,		7
256	An ensemble sinusoidal parameter adaptation incorporated with L-SHADE for solving CEC2014 benchmark problems 2016 ,		51
255	Self-adaptive Ensemble Differential Evolution with Sampled Parameter Values for Unit Commitment. <i>Lecture Notes in Computer Science</i> , 2016 , 1-16	0.8	
254	An ensemble of differential evolution algorithms with variable neighborhood search for constrained function optimization 2016 ,		2
253	Artificial neural network regression as a local search heuristic for ensemble strategies in differential evolution. <i>Nonlinear Dynamics</i> , 2016 , 84, 895-914	4.8	43
252	An improved artificial bee colony algorithm for flexible job-shop scheduling problem with fuzzy processing time. <i>Expert Systems With Applications</i> , 2016 , 65, 52-67	7.5	91
251	A modified cultural algorithm with a balanced performance for the differential evolution frameworks. <i>Knowledge-Based Systems</i> , 2016 , 111, 73-86	6.9	22
250	A decremental stochastic fractal differential evolution for global numerical optimization. <i>Information Sciences</i> , 2016 , 372, 470-491	7.2	14
249	Neil3 induced neurogenesis protects against prion disease during the clinical phase. <i>Scientific Reports</i> , 2016 , 6, 37844	4.7	15
248	An effective discrete harmony search algorithm for flexible job shop scheduling problem with fuzzy processing time. <i>International Journal of Production Research</i> , 2015 , 53, 5896-5911	7.5	37

247	Oblique Decision Tree Ensemble via Multisurface Proximal Support Vector Machine. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2165-76	8.5	78
246	Effective ensembles of heuristics for scheduling flexible job shop problem with new job insertion. <i>Computers and Industrial Engineering</i> , 2015 , 90, 107-117	6.2	33
245	Bilevel Optimization Using Bacteria Foraging Optimization Algorithm. <i>Lecture Notes in Computer Science</i> , 2015 , 351-362	0.8	1
244	Computational intelligence in sports: Challenges and opportunities within a new research domain. <i>Applied Mathematics and Computation</i> , 2015 , 262, 178-186	2.5	57
243	Ensemble methods for wind and solar power forecasting: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 82-91	15.7	216
242	Ensemble of Constraint Handling Techniques for Single Objective Constrained Optimization. <i>Infosys Science Foundation Series</i> , 2015 , 231-248	0.1	2
241	Modeling of steelmaking process with effective machine learning techniques. <i>Expert Systems With Applications</i> , 2015 , 42, 4687-4696	7.5	41
240	Distance Based Locally Informed Particle Swarm Optimizer with Dynamic Population Size. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 577-587	0.2	1
239	Multi-population differential evolution with balanced ensemble of mutation strategies for large-scale global optimization. <i>Applied Soft Computing Journal</i> , 2015 , 33, 304-327	7.2	98
238	Detecting Wind Power Ramp with Random Vector Functional Link (RVFL) Network 2015 ,		8
237	Cluster-based differential evolution with heterogeneous influence for numerical optimization 2015 ,		4
236	Visual Tracking with Convolutional Neural Network 2015 ,		2
235	A variable reduction strategy for evolutionary algorithms handling equality constraints. <i>Applied Soft Computing Journal</i> , 2015 , 37, 774-786	7.2	57
234	A Comparative Study of Empirical Mode Decomposition-Based Short-Term Wind Speed Forecasting Methods. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 236-244	7.7	160
233	Heterogeneous comprehensive learning particle swarm optimization with enhanced exploration and exploitation. <i>Swarm and Evolutionary Computation</i> , 2015 , 24, 11-24	9.2	241
232	A two-stage artificial bee colony algorithm scheduling flexible job-shop scheduling problem with new job insertion. <i>Expert Systems With Applications</i> , 2015 , 42, 7652-7663	7.5	93
231	Modified Artificial Bee Colony Algorithm with Comprehensive Learning Re-initialization Strategy 2015 ,		2
230	A Differential Evolution Algorithm with a Variable Neighborhood Search for Constrained Function Optimization. <i>Adaptation, Learning, and Optimization</i> , 2015 , 171-184	0.6	4

229	Differential Evolution with Two Subpopulations. <i>Lecture Notes in Computer Science</i> , 2015 , 1-13	0.8	1
228	Cultural Algorithms applied to the evolution of robotic soccer team tactics: A novel perspective 2014 ,		3
227	Random Forests with ensemble of feature spaces. <i>Pattern Recognition</i> , 2014 , 47, 3429-3437	7.1	70
226	Unit commitment - a survey and comparison of conventional and nature inspired algorithms. <i>International Journal of Bio-Inspired Computation</i> , 2014 , 6, 71	1.5	21
225	Towards generating random forests via extremely randomized trees 2014 ,		9
224	Solving the steelmaking casting problem using an effective fruit fly optimisation algorithm. <i>Knowledge-Based Systems</i> , 2014 , 72, 28-36	6.9	67
223	Pareto-based grouping discrete harmony search algorithm for multi-objective flexible job shop scheduling. <i>Information Sciences</i> , 2014 , 289, 76-90	7.2	89
222	Analyzing convergence performance of evolutionary algorithms: A statistical approach. <i>Information Sciences</i> , 2014 , 289, 41-58	7.2	79
221	Solving system-level synthesis problem by a multi-objective estimation of distribution algorithm. <i>Expert Systems With Applications</i> , 2014 , 41, 2496-2513	7.5	13
220	Achieving high robustness and performance in QoS-aware route planning for IPTV networks. <i>Information Sciences</i> , 2014 , 269, 217-237	7.2	
219	Gaussian adaptation based parameter adaptation for differential evolution 2014 ,		11
218	Ensemble deep learning for regression and time series forecasting 2014 ,		91
217	Niching-based Self-adaptive Ensemble DE with MMTS for solving dynamic optimization problems 2014 ,		2
216	Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions 2014 ,		27
215	Empirical mode decomposition based adaboost-backpropagation neural network method for wind speed forecasting 2014 ,		4
214	Empirical Mode Decomposition-k Nearest Neighbor Models for Wind Speed Forecasting. <i>Journal of Power and Energy Engineering</i> , 2014 , 02, 176-185	0.7	16
213	A Differential Evolution Framework with Ensemble of Parameters and Strategies and Pool of Local Search Algorithms. <i>Lecture Notes in Computer Science</i> , 2014 , 615-626	0.8	11
212	A variable iterated greedy algorithm with differential evolution for the no-idle permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2013 , 40, 1729-1743	4.5	75

211	Migrating forager population in a multi-population Artificial Bee Colony algorithm with modified perturbation schemes 2013 ,		18
210	Empirical investigations into the exponential crossover of differential evolutions. <i>Swarm and Evolutionary Computation</i> , 2013 , 9, 27-36	9.2	26
209	Metaheuristic algorithms for the quadratic assignment problem 2013 ,		3
208	Comprehensive learning particle swarm optimizer with guidance vector selection 2013 ,		1
207	Statistical analysis of convergence performance throughout the evolutionary search: A case study with SaDE-MMTS and Sa-EPsDE-MMTS 2013 ,		8
206	Ensemble crowding differential evolution with neighborhood mutation for multimodal optimization 2013 ,		1
205	Adaptive Differential Evolution with Locality based Crossover for Dynamic Optimization 2013 ,		6
204	Synchronizing Differential Evolution with a modified affinity-based mutation framework 2013 ,		3
203	Risk minimization in biometric sensor networks: an evolutionary multi-objective optimization approach. <i>Soft Computing</i> , 2013 , 17, 133-144	3.4	2
202	A discrete artificial bee colony algorithm for the no-idle permutation flowshop scheduling problem with the total tardiness criterion. <i>Applied Mathematical Modelling</i> , 2013 , 37, 6758-6779	4.4	87
201	A Distance-Based Locally Informed Particle Swarm Model for Multimodal Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 387-402	13.3	218
200	An enhanced migrating birds optimization algorithm for no-wait flow shop scheduling problem 2013 ,		5
199	Hybrid discrete harmony search algorithm for scheduling re-processing problem in remanufacturing 2013 ,		2
198	Effective heuristics for the no-wait flow shop scheduling problem with total flow time minimization. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 66, 1563-1572	3.1	28
197	A Swarm Intelligence Approach to Flexible Job-Shop Scheduling Problem with No-Wait Constraint in Remanufacturing. <i>Lecture Notes in Computer Science</i> , 2013 , 593-602	0.8	4
196	K-nearest neighbor based bagging SVM pruning 2013 ,		1
195	A Hybrid Discrete Differential Evolution Algorithm for Economic Lot Scheduling Problem with Time Variant Lot Sizing. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 1-12	0.4	2
194	A hybrid ARIMA-DENFIS method for wind speed forecasting 2013 ,		3

193	Instance based random forest with rotated feature space 2013 ,		4
192	Improved Adaptive Differential Evolution Algorithm with External Archive. <i>Lecture Notes in Computer Science</i> , 2013 , 170-178	0.8	2
191	A General Variable Neighborhood Search Algorithm for the No-Idle Permutation Flowshop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 24-34	0.8	9
190	A Novel Improved Discrete ABC Algorithm for Manpower Scheduling Problem in Remanufacturing. <i>Lecture Notes in Computer Science</i> , 2013 , 738-749	0.8	2
189	Load Information Based Priority Dependant Heuristic for Manpower Scheduling Problem in Remanufacturing. <i>Lecture Notes in Computer Science</i> , 2013 , 59-67	0.8	1
188	Differential Evolution With Neighborhood Mutation for Multimodal Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 601-614	13.3	280
187	Memetic Fitness Euclidean-Distance Particle Swarm Optimization for Multi-modal Optimization. <i>Lecture Notes in Computer Science</i> , 2012 , 378-385	0.8	3
186	Ensemble of Clearing Differential Evolution for Multi-modal Optimization. <i>Lecture Notes in Computer Science</i> , 2012 , 350-357	0.8	6
185	Dynamic Multi-Swarm Particle Swarm Optimization for Multi-objective optimization problems 2012 ,		10
184	A Differential Covariance Matrix Adaptation Evolutionary Algorithm for real parameter optimization. <i>Information Sciences</i> , 2012 , 182, 199-219	7.2	60
183	Niching particle swarm optimization with local search for multi-modal optimization. <i>Information Sciences</i> , 2012 , 197, 131-143	7.2	102
182	A dynamic neighborhood learning based particle swarm optimizer for global numerical optimization. <i>Information Sciences</i> , 2012 , 209, 16-36	7.2	131
181	An adaptive differential evolution algorithm with novel mutation and crossover strategies for global numerical optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 482-500		365
180	Discrete Harmony Search Algorithm for the Disassembly Scheduling Remanufacturing Engineering. <i>Applied Mechanics and Materials</i> , 2012 , 236-237, 169-174	0.3	
179	Design of Fractional Order Controller for a servohydraulic positioning system with micro Artificial Bee Colony algorithm 2012 ,		5
178	Comprehensive comparison of convergence performance of optimization algorithms based on nonparametric statistical tests 2012 ,		4
177	Discrete Harmony Search Algorithm for Dynamic FJSSP in Remanufacturing Engineering. <i>Lecture Notes in Computer Science</i> , 2012 , 9-16	0.8	
176	Pareto-based discrete harmony search algorithm for flexible job shop scheduling 2012 ,		1

175	Decomposition-Based Multiobjective Evolutionary Algorithm With an Ensemble of Neighborhood Sizes. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 442-446	13.3	226
174	A kernel-ensemble bagging support vector machine 2012 ,		2
173	Efficient constraint handling for optimal reactive power dispatch problems. <i>Swarm and Evolutionary Computation</i> , 2012 , 5, 28-36	9.2	82
172	Differential Evolution Algorithm: Recent Advances. <i>Lecture Notes in Computer Science</i> , 2012 , 30-46	0.8	8
171	A Variable Iterated Greedy Algorithm with Differential Evolution for Solving No-Idle Flowshops. <i>Lecture Notes in Computer Science</i> , 2012 , 128-135	0.8	1
170	Solving Fuzzy Job-Shop Scheduling Problem by a Hybrid PSO Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 275-282	0.8	4
169	Differential Evolution: A Survey of the State-of-the-Art. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 4-31	13.3	2966
168	Guest Editorial Special Issue on Differential Evolution. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 1-3	13.3	14
167	Self-adaptive differential evolution with multi-trajectory search for large-scale optimization. <i>Soft Computing</i> , 2011 , 15, 2175-2185	3.4	111
166	A hybrid tabu search algorithm with an efficient neighborhood structure for the flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 52, 683-697	3.1	99
165	AFP-Pred: A random forest approach for predicting antifreeze proteins from sequence-derived properties. <i>Journal of Theoretical Biology</i> , 2011 , 270, 56-62	2.2	189
164	Constrained self-adaptive differential evolution based design of robust optimal fixed structure controller. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1084-1093	6.9	9
163	A local-best harmony search algorithm with dynamic sub-harmony memories for lot-streaming flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2011 , 38, 3252-3259	7.5	77
162	Dynamic multi-swarm particle swarm optimizer with harmony search. <i>Expert Systems With Applications</i> , 2011 , 38, 3735-3742	7.5	90
161	A discrete artificial bee colony algorithm for the lot-streaming flow shop scheduling problem. <i>Information Sciences</i> , 2011 , 181, 2455-2468	7.2	376
160	Multi-objective robust PID controller tuning using two lbests multi-objective particle swarm optimization. <i>Information Sciences</i> , 2011 , 181, 3323-3335	7.2	69
159	A discrete artificial bee colony algorithm for the total flowtime minimization in permutation flow shops. <i>Information Sciences</i> , 2011 , 181, 3459-3475	7.2	167
158	A differential evolution algorithm with self-adapting strategy and control parameters. <i>Computers and Operations Research</i> , 2011 , 38, 394-408	4.5	114

157	Differential evolution algorithm with ensemble of parameters and mutation strategies. <i>Applied Soft Computing Journal</i> , 2011 , 11, 1679-1696	7.2	863
156	Multiobjective evolutionary algorithms: A survey of the state of the art. <i>Swarm and Evolutionary Computation</i> , 2011 , 1, 32-49	9.2	1267
155	Modified differential evolution with local search algorithm for real world optimization 2011 ,		12
154	Ensemble differential evolution algorithm for CEC2011 problems 2011 ,		25
153	Constrained multi-objective optimization algorithm with an ensemble of constraint handling methods. <i>Engineering Optimization</i> , 2011 , 43, 403-416	2	89
152	A differential evolution algorithm for the median cycle problem 2011 ,		1
151	Multi-objective differential evolution based on the summation of normalized objectives and improved selection method 2011 ,		7
150	Constrained real parameter optimization with a gradient repair based Differential Evolution algorithm 2011 ,		5
149	A differential covariance matrix adaptation evolutionary algorithm for global optimization 2011 ,		7
148	Design of Non-Uniform Circular Antenna Arrays Using a Modified Invasive Weed Optimization Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 110-118	4.3	94
147	Real-parameter evolutionary multimodal optimization [A survey of the state-of-the-art. <i>Swarm and Evolutionary Computation</i> , 2011 , 1, 71-88	9.2	241
146	Two-lbests based multi-objective particle swarm optimizer. <i>Engineering Optimization</i> , 2011 , 43, 1-17	2	92
145	A differential evolution algorithm for the no-idle flowshop scheduling problem with total tardiness criterion. <i>International Journal of Production Research</i> , 2011 , 49, 5033-5050	7.5	40
144	Ensemble strategies in Compact Differential Evolution 2011 ,		8
143	NEAR OPTIMAL ROBUST ADAPTIVE BEAMFORMING APPROACH BASED ON EVOLUTIONARY ALGORITHM. <i>Progress in Electromagnetics Research B</i> , 2011 , 29, 157-174	0.6	5
142	A DIFFERENTIAL EVOLUTION APPROACH FOR ROBUST ADAPTIVE BEAMFORMING BASED ON JOINT ESTIMATION OF LOOK DIRECTION AND ARRAY GEOMETRY. <i>Progress in Electromagnetics Research</i> , 2011 , 119, 381-394	3.4	18
141	Synthesis and Design of Thinned Planar Concentric Circular Antenna Array - A Multi-objective Approach. <i>Lecture Notes in Computer Science</i> , 2011 , 182-190	0.8	
140	Design of Two Channel Quadrature Mirror Filter Bank: A Multi-Objective Approach. <i>Lecture Notes in Computer Science</i> , 2011 , 239-247	0.8	

139	Non-uniform Circular-Shaped Antenna Array Design and Synthesis - A Multi-Objective Approach. <i>Lecture Notes in Computer Science</i> , 2011 , 223-230	0.8	
138	Multi-objective differential evolution with diversity enhancement. <i>Journal of Zhejiang University: Science C</i> , 2010 , 11, 538-543		11
137	Solving manpower scheduling problem in manufacturing using mixed-integer programming with a two-stage heuristic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 46, 1229-1237	3.1	12
136	A novel hybrid discrete differential evolution algorithm for blocking flow shop scheduling problems. <i>Computers and Operations Research</i> , 2010 , 37, 509-520	4.5	171
135	Identification of functionally diverse lipocalin proteins from sequence information using support vector machine. <i>Amino Acids</i> , 2010 , 39, 777-83	3.3	10
134	An approach for classification of highly imbalanced data using weighting and undersampling. <i>Amino Acids</i> , 2010 , 39, 1385-91	3.3	76
133	Ensemble of Constraint Handling Techniques. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 561-579	13.3	291
132	Identification and analysis of transcription factor family-specific features derived from DNA and protein information. <i>Pattern Recognition Letters</i> , 2010 , 31, 2097-2102	4.3	2
131	An ensemble of discrete differential evolution algorithms for solving the generalized traveling salesman problem. <i>Applied Mathematics and Computation</i> , 2010 , 215, 3356-3368	2.5	102
130	A self-adaptive global best harmony search algorithm for continuous optimization problems. <i>Applied Mathematics and Computation</i> , 2010 , 216, 830-848	2.5	278
129	Ensemble strategies with adaptive evolutionary programming. <i>Information Sciences</i> , 2010 , 180, 1571-1581	12	85
128	Ensemble of niching algorithms. <i>Information Sciences</i> , 2010 , 180, 2815-2833	7.2	98
127	Multi-objective evolutionary algorithms based on the summation of normalized objectives and diversified selection. <i>Information Sciences</i> , 2010 , 180, 3170-3181	7.2	95
126	Insights into Protein Sequence and Structure-Derived Features Mediating 3D Domain Swapping Mechanism using Support Vector Machine Based Approach. <i>Bioinformatics and Biology Insights</i> , 2010 , 4, 33-42	5	10
125	Multi-objective robust PID controller tuning using multi-objective differential evolution 2010 ,		4
124	A local-best harmony search algorithm with dynamic subpopulations. <i>Engineering Optimization</i> , 2010 , 42, 101-117	2	63
123	Achieving high robustness and performance in performing QoS-aware route planning for IPTV networks 2010 ,		1
122	Novel multimodal problems and differential evolution with ensemble of restricted tournament selection 2010 ,		45

121	Dynamic multi-swarm particle swarm optimizer with sub-regional harmony search 2010,		30
120	Artificial foraging weeds for global numerical optimization over continuous spaces 2010,		4
119	Constrained multi-objective optimization algorithm with diversity enhanced differential evolution 2010,		4
118	Differential evolution with ensemble of constraint handling techniques for solving CEC 2010 benchmark problems 2010,		40
117	Synthesis of Difference Patterns for Monopulse Antenna Arrays [An Evolutionary Multi-objective Optimization Approach. <i>Lecture Notes in Computer Science</i> , 2010 , 504-513	0.8	
116	Self-adaptive Differential Evolution with Modified Multi-Trajectory Search for CEC2010 Large Scale Optimization. <i>Lecture Notes in Computer Science</i> , 2010 , 1-10	0.8	5
115	Dynamic Grouping Crowding Differential Evolution with Ensemble of Parameters for Multi-modal Optimization. <i>Lecture Notes in Computer Science</i> , 2010 , 19-28	0.8	7
114	SPRED: A machine learning approach for the identification of classical and non-classical secretory proteins in mammalian genomes. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 1306-1311	3.3	27
113	Solving lot-streaming flow shop scheduling problems using a discrete harmony search algorithm 2010,		1
112	Multi objective evolutionary programming to solve environmental economic dispatch problem 2010,		5
111	SMpred: a support vector machine approach to identify structural motifs in protein structure without using evolutionary information. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010 , 28, 405-415	1.5	4
110	SVMCRYST: an SVM approach for the prediction of protein crystallization propensity from protein sequence. <i>Protein and Peptide Letters</i> , 2010 , 17, 423-30	1.8	30
109	LINEAR ANTENNA ARRAY SYNTHESIS WITH CONSTRAINED MULTI-OBJECTIVE DIFFERENTIAL EVOLUTION. <i>Progress in Electromagnetics Research B</i> , 2010 , 21, 87-111	0.6	32
108	SYNTHESIS OF DIFFERENCE PATTERNS FOR MONOPULSE ANTENNAS WITH OPTIMAL COMBINATION OF ARRAY-SIZE AND NUMBER OF SUBARRAYS --- A MULTI-OBJECTIVE OPTIMIZATION APPROACH. <i>Progress in Electromagnetics Research B</i> , 2010 , 21, 257-280	0.6	9
107	Prediction of apoptosis protein locations with genetic algorithms and support vector machines through a new mode of pseudo amino acid composition. <i>Protein and Peptide Letters</i> , 2010 , 17, 1473-9	1.8	61
106	Differential Evolution Algorithm with Ensemble of Parameters and Mutation and Crossover Strategies. <i>Lecture Notes in Computer Science</i> , 2010 , 71-78	0.8	37
105	Constraint Handling in Transmission Network Expansion Planning. <i>Lecture Notes in Computer Science</i> , 2010 , 709-717	0.8	
104	Diversity enhanced Adaptive Evolutionary Programming for solving single objective constrained problems 2009,		3

103	Diversity enhanced particle swarm optimizer for global optimization of multimodal problems 2009 ,		4
102	Differential Evolution Algorithms for the Generalized Assignment problem 2009 ,		9
101	Evolutionary programming with ensemble of explicit memories for dynamic optimization 2009 ,		16
100	A Harmony Search Algorithm with Ensemble of Parameter Sets 2009 ,		13
99	Multi-objective evolutionary programming without non-domination sorting is up to twenty times faster 2009 ,		19
98	Identification of structurally conserved residues of proteins in absence of structural homologs using neural network ensemble. <i>Bioinformatics</i> , 2009 , 25, 204-10	6.8	61
97	Differential Evolution Algorithm With Strategy Adaptation for Global Numerical Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 398-417	13.3	2288
96	Differential evolution algorithm with ensemble of populations for global numerical optimization. <i>Opsearch</i> , 2009 , 46, 184-213	1.5	32
95	Multiclass cancer classification by support vector machines with class-wise optimized genes and probability estimates. <i>Journal of Theoretical Biology</i> , 2009 , 259, 533-40	2.2	33
94	Multi-objective optimization using self-adaptive differential evolution algorithm 2009 ,		50
93	Prediction of functionally important sites from protein sequences using sparse kernel least squares classifiers. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 384, 155-9	3.3	6
92	DNA-Prot: identification of DNA binding proteins from protein sequence information using random forest. <i>Journal of Biomolecular Structure and Dynamics</i> , 2009 , 26, 679-86	3.5	98
91	Metaheuristics for Common due Date Total Earliness and Tardiness Single Machine Scheduling Problem. <i>Studies in Computational Intelligence</i> , 2009 , 301-340	0.7	
90	Discrete/Binary Approach. <i>Studies in Computational Intelligence</i> , 2009 , 139-162	0.7	
89	Predicting protein structural class by SVM with class-wise optimized features and decision probabilities. <i>Journal of Theoretical Biology</i> , 2008 , 253, 375-80	2.2	46
88	Empirical study on the effect of population size on Differential evolution Algorithm 2008 ,		33
87	Evaluation of novel adaptive evolutionary programming on four constraint handling techniques 2008 ,		11
86	Identification of catalytic residues from protein structure using support vector machine with sequence and structural features. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 630-43	2.3	33

85	A dynamic bandwidth guaranteed routing using heuristic search for clustered topology 2008 ,		4
84	Empirical comparison of niching methods on hybrid composition functions 2008 ,		1
83	Differential evolution and Evolutionary Programming for solving non-convex economic dispatch problems 2008 ,		2
82	Dynamic multi-swarm particle swarm optimizer with local search for Large Scale Global Optimization 2008 ,		100
81	MegaMotifBase: a database of structural motifs in protein families and superfamilies. <i>Nucleic Acids Research</i> , 2008 , 36, D218-21	19.2	21
80	Prediction of Transcription Factor Families Using DNA Sequence Features. <i>Lecture Notes in Computer Science</i> , 2008 , 154-164	0.8	1
79	Improved MOCLPSO algorithm for environmental/economic dispatch 2007 ,		3
78	SMotif: a server for structural motifs in proteins. <i>Bioinformatics</i> , 2007 , 23, 637-8	6.8	13
77	Multi-objective optimization based on self-adaptive differential evolution algorithm 2007 ,		30
76	A multi-layered solution for supporting isp traffic demand using genetic algorithm 2007 ,		3
75	A discrete particle swarm optimization algorithm for the generalized traveling salesman problem 2007 ,		37
74	A Discrete Differential Evolution Algorithm for the Total Earliness and Tardiness Penalties with a Common Due Date on a Single-Machine 2007 ,		17
73	A genetic algorithm for the generalized traveling salesman problem 2007 ,		6
72	A Discrete Differential Evolution Algorithm for the No-Wait Flowshop Scheduling Problem with Total Flowtime Criterion 2007 ,		28
71	A novel fuzzy and multiobjective evolutionary algorithm based gene assignment for clustering short time series expression data 2007 ,		2
70	A machine learning approach for the identification of odorant binding proteins from sequence-derived properties. <i>BMC Bioinformatics</i> , 2007 , 8, 351	3.4	20
69	Design of triangular FBG filter for sensor applications using covariance matrix adapted evolution algorithm. <i>Optics Communications</i> , 2006 , 260, 716-722	1.9	28
68	An analysis of diversity measures. <i>Machine Learning</i> , 2006 , 65, 247-271	3.6	262

67	Performance Evaluation of Multiagent Genetic Algorithm. <i>Natural Computing</i> , 2006 , 5, 83-96	1.3	33
66	Generalized null space uncorrelated Fisher discriminant analysis for linear dimensionality reduction. <i>Pattern Recognition</i> , 2006 , 39, 1805-1808	7.1	18
65	Gene selection algorithms for microarray data based on least squares support vector machine. <i>BMC Bioinformatics</i> , 2006 , 7, 95	3.4	52
64	Comprehensive learning particle swarm optimizer for solving multiobjective optimization problems. <i>International Journal of Intelligent Systems</i> , 2006 , 21, 209-226	8.2	116
63	Feature Selection Approach for Quantitative Prediction of Transcriptional Activities 2006 ,		3
62	Wavelength detection in FBG sensor network using tree search DMS-PSO. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1305-1307	2	29
61	Comprehensive learning particle swarm optimizer for global optimization of multimodal functions. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 281-295	13.3	2121
60	Adaptive Comprehensive Learning Particle Swarm Optimizer with History Learning. <i>Lecture Notes in Computer Science</i> , 2006 , 213-220	0.8	7
59	Design of optimal length low-dispersion FBG filter using covariance matrix adapted evolution. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2119-2121	2	7
58	Feature Selection for Microarray Data Using Least Squares SVM and Particle Swarm Optimization 2005 ,		14
57	Particle swarm optimization for the design of low-dispersion fiber Bragg gratings. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 615-617	2	25
56	Improving the performance of a FBG sensor network using a novel dynamic multi-swarm particle swarm optimizer 2005 , 5998, 191		3
55	Linear dimensionality reduction using relevance weighted LDA. <i>Pattern Recognition</i> , 2005 , 38, 485-493	7.1	57
54	Initialization insensitive LVQ algorithm based on cost-function adaptation. <i>Pattern Recognition</i> , 2005 , 38, 773-776	7.1	21
53	Enhanced neural gas network for prototype-based clustering. <i>Pattern Recognition</i> , 2005 , 38, 1275-1288	7.1	26
52	Evolutionary extreme learning machine. <i>Pattern Recognition</i> , 2005 , 38, 1759-1763	7.1	557
51	Genetic-algorithm-based design of a reconfigurable antenna array with discrete phase shifters. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 461-465	1.2	28
50	Design of YagiUda antennas using comprehensive learning particle swarm optimisation. <i>IET Microwaves Antennas and Propagation</i> , 2005 , 152, 340		37

49	Uncorrelated heteroscedastic LDA based on the weighted pairwise Chernoff criterion. <i>Pattern Recognition</i> , 2005 , 38, 613-616	7.1	25
48	An Accumulation Algorithm for Video Shot Boundary Detection. <i>Multimedia Tools and Applications</i> , 2004 , 22, 89-106	2.3	4
47	A novel kernel prototype-based learning algorithm 2004 ,		26
46	Kernel neural gas algorithms with application to cluster analysis 2004 ,		28
45	Evaluation of Comprehensive Learning Particle Swarm Optimizer. <i>Lecture Notes in Computer Science</i> , 2004 , 230-235	0.8	29
44	Robust growing neural gas algorithm with application in cluster analysis. <i>Neural Networks</i> , 2004 , 17, 1138-1148	3.1	66
43	Structural pattern recognition using genetic algorithms with specialized operators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003 , 33, 156-65		14
42	Video shot motion characterization based on hierarchical overlapped growing neural gas networks. <i>Multimedia Systems</i> , 2003 , 9, 378-385	2.1	16
41	Boosting the HONG network. <i>Neurocomputing</i> , 2003 , 51, 75-86	5	5
40	Feature Analysis and Classification of Protein Secondary Structure Data. <i>Lecture Notes in Computer Science</i> , 2003 , 1151-1158	0.8	10
39	Shape indexing using self-organizing maps. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 835-40		17
38	Evaluation of genetic operators and solution representations for shape recognition by genetic algorithms. <i>Pattern Recognition Letters</i> , 2002 , 23, 1589-1597	4.3	19
37	Structural pattern recognition using genetic algorithms. <i>Pattern Recognition</i> , 2002 , 35, 1883-1893	7.1	29
36	Pattern classification using multiple hierarchical overlapped self-organising maps. <i>Pattern Recognition</i> , 2001 , 34, 2173-2179	7.1	10
35	Video Sequence Boundary Detection Using Neural Gas Networks. <i>Lecture Notes in Computer Science</i> , 2001 , 1048-1053	0.8	1
34	Evaluation of Distance Measures for Partial Image Retrieval Using Self-Organizing Map. <i>Lecture Notes in Computer Science</i> , 2001 , 1042-1047	0.8	
33	Shapesom 2001 , 110-117		
32	On the performance of the HONG network for pattern classification 2000 ,		3

31	Hierarchical overlapped neural gas network with application to pattern classification. <i>Neurocomputing</i> , 2000 , 35, 165-176	5	9
30	Combining classifiers based on confidence values 1999 ,		7
29	Hierarchical overlapped SOM's for pattern classification. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 193-6		21
28	Hopfield network with constraint parameter adaptation for overlapped shape recognition. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 444-9		16
27	Optimal encoding of graph homomorphism energy using fuzzy information aggregation operators. <i>Pattern Recognition</i> , 1998 , 31, 623-639	7-1	4
26	Recognition of handprinted Chinese characters by constrained graph matching. <i>Image and Vision Computing</i> , 1998 , 16, 191-201	3-4	22
25	Optimal mapping of graph homomorphism onto self organising Hopfield network. <i>Image and Vision Computing</i> , 1997 , 15, 679-694	3-4	7
24	Learning parameters for object recognition by the self-organizing Hopfield network. <i>Journal of Network and Computer Applications</i> , 1996 , 19, 91-108	7-4	
23	Pattern recognition by graph matching using the Potts MFT neural networks. <i>Pattern Recognition</i> , 1995 , 28, 997-1009	7-1	53
22	Pattern recognition by homomorphic graph matching using Hopfield neural networks. <i>Image and Vision Computing</i> , 1995 , 13, 45-60	3-4	37
21	Self-organizing Hopfield network for attributed relational graph matching. <i>Image and Vision Computing</i> , 1995 , 13, 61-73	3-4	17
20	Novel composition test functions for numerical global optimization		137
19	Dynamic multi-swarm particle swarm optimizer with local search		87
18	Dynamic multi-swarm particle swarm optimizer		138
17	Self-adaptive differential evolution algorithm for numerical optimization		346
16	Dynamic Multi-Swarm Particle Swarm Optimizer with a Novel Constraint-Handling Mechanism		60
15	A Multi-Populated Differential Evolution Algorithm for Solving Constrained Optimization Problem		33
14	Self-adaptive Differential Evolution Algorithm for Constrained Real-Parameter Optimization		82

13	Unsupervised similarity-based feature selection using heuristic Hopfield neural networks	2
12	Generalized LDA using relevance weighting and evolution strategy	3
11	A novel concurrent particle swarm optimization	28
10	A new generalized LVQ algorithm via harmonic to minimum distance measure transition	1
9	A Robust Neural Gas algorithm for clustering analysis	3
8	Multiclass protein fold recognition using multiobjective evolutionary algorithms	8
7	Particle swarm optimization algorithms with novel learning strategies	14
6	Multiple relational graphs mapping using genetic algorithms	3
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4	Attributed relational graph matching by neural-gas networks	2
3	Multiple HONG network fusion by fuzzy integral	1
2	Solving jigsaw puzzles using Hopfield neural networks	3
1	Effective constructive and composite heuristics for grouping printed circuit boards in the electronic assembly industry. <i>Engineering Optimization</i> ,1-15	2