

# Ponnuthurai N Suganthan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7612980/publications.pdf>

Version: 2024-02-01

426  
papers

41,489  
citations

3933

88  
h-index

2953

189  
g-index

435  
all docs

435  
docs citations

435  
times ranked

20419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's Disease Diagnosis via Intuitionistic Fuzzy Random Vector Functional Link Network. IEEE Transactions on Computational Social Systems, 2024, , 1-12.	4.4	16
2	A Greedy Cooperative Co-Evolutionary Algorithm With Problem-Specific Knowledge for Multiobjective Flowshop Group Scheduling Problems. IEEE Transactions on Evolutionary Computation, 2023, 27, 430-444.	10.0	33
3	Remodelling State-Space Prediction With Deep Neural Networks for Probabilistic Load Forecasting. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 628-637.	4.9	10
4	A Hybrid Iterated Greedy Algorithm for a Crane Transportation Flexible Job Shop Problem. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2153-2170.	5.2	58
5	A Voting-Mechanism-Based Ensemble Framework for Constraint Handling Techniques. IEEE Transactions on Evolutionary Computation, 2022, 26, 646-660.	10.0	25
6	An Autonomous Path Planning Method for Unmanned Aerial Vehicle Based on a Tangent Intersection and Target Guidance Strategy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3061-3073.	8.0	32
7	Effective constructive and composite heuristics for grouping printed circuit boards in the electronic assembly industry. Engineering Optimization, 2022, 54, 1758-1772.	2.6	2
8	Ensemble Many-Objective Optimization Algorithm Based on Voting Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1716-1730.	9.3	44
9	Hybrid Multi-Objective Optimization Approach With Pareto Local Search for Collaborative Truck-Drone Routing Problems Considering Flexible Time Windows. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13011-13025.	8.0	17
10	Differential evolution with orthogonal array-based initialization and a novel selection strategy. Swarm and Evolutionary Computation, 2022, 68, 101010.	8.1	32
11	Bayesian optimization based dynamic ensemble for time series forecasting. Information Sciences, 2022, 591, 155-175.	6.9	77
12	Benchmarking Optimization-Based Energy Disaggregation Algorithms. Energies, 2022, 15, 1600.	3.1	5
13	A novel dependency-oriented mixed-attribute data classification method. Expert Systems With Applications, 2022, 199, 116782.	7.6	8
14	Investigating Robustness of Biological vs. Backprop Based Learning. , 2022, , .		0
15	Representation learning using deep random vector functional link networks for clustering. Pattern Recognition, 2022, 129, 108744.	8.1	16
16	Collaborative Truck-Drone Routing for Contactless Parcel Delivery During the Epidemic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25077-25091.	8.0	24
17	Sample-Based Data Augmentation Based on Electroencephalogram Intrinsic Characteristics. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4996-5003.	6.3	18
18	Oblique and rotation double random forest. Neural Networks, 2022, 153, 496-517.	5.9	19

#	ARTICLE	IF	CITATIONS
19	Random vector functional link neural network based ensemble deep learning for short-term load forecasting. Expert Systems With Applications, 2022, 206, 117784.	7.6	34
20	Weighting and pruning based ensemble deep random vector functional link network for tabular data classification. Pattern Recognition, 2022, 132, 108879.	8.1	13
21	Experimental evaluation of stochastic configuration networks: Is SC algorithm inferior to hyper-parameter optimization method?. Applied Soft Computing Journal, 2022, 126, 109257.	7.2	7
22	Least squares KNN-based weighted multiclass twin SVM. Neurocomputing, 2021, 459, 454-464.	5.9	31
23	Optimal placement and sizing of FACTS devices for optimal power flow in a wind power integrated electrical network. Neural Computing and Applications, 2021, 33, 6753-6774.	5.6	56
24	Evolutionary many-Objective algorithm based on fractional dominance relation and improved objective space decomposition strategy. Swarm and Evolutionary Computation, 2021, 60, 100776.	8.1	56
25	Task Scheduling in Cloud Computing based on Meta-heuristics: Review, Taxonomy, Open Challenges, and Future Trends. Swarm and Evolutionary Computation, 2021, 62, 100841.	8.1	163
26	Differential evolution using improved crowding distance for multimodal multiobjective optimization. Swarm and Evolutionary Computation, 2021, 62, 100849.	8.1	86
27	An ensemble approach with external archive for multi- and many-objective optimization with adaptive mating mechanism and two-level environmental selection. Information Sciences, 2021, 555, 164-197.	6.9	20
28	Major Advances in Particle Swarm Optimization: Theory, Analysis, and Application. Swarm and Evolutionary Computation, 2021, 63, 100868.	8.1	214
29	A Novel Ensemble Method of RVFL For Classification Problem. , 2021, , .		3
30	Co-Trained Random Vector Functional Link Network. , 2021, , .		2
31	A Tutorial On the design, experimentation and application of metaheuristic algorithms to real-World optimization problems. Swarm and Evolutionary Computation, 2021, 64, 100888.	8.1	154
32	On the origins of randomization-based feedforward neural networks. Applied Soft Computing Journal, 2021, 105, 107239.	7.2	77
33	Ensemble of classification models with weighted functional link network. Applied Soft Computing Journal, 2021, 107, 107322.	7.2	21
34	Walk-forward empirical wavelet random vector functional link for time series forecasting. Applied Soft Computing Journal, 2021, 108, 107450.	7.2	32
35	Random vector functional link neural network based ensemble deep learning. Pattern Recognition, 2021, 117, 107978.	8.1	116
36	Design and modeling of adaptive IIR filtering systems using a weighted sum - variable length particle swarm optimization. Applied Soft Computing Journal, 2021, 109, 107529.	7.2	26

#	ARTICLE	IF	CITATIONS
37	Real-parameter constrained optimization using enhanced quality-based cultural algorithm with novel influence and selection schemes. Information Sciences, 2021, 576, 242-273.	6.9	12
38	Time series classification using diversified Ensemble Deep Random Vector Functional Link and Resnet features. Applied Soft Computing Journal, 2021, 112, 107826.	7.2	30
39	A Benchmark-Suite of real-World constrained multi-objective optimization problems and some baseline results. Swarm and Evolutionary Computation, 2021, 67, 100961.	8.1	86
40	Large Scale Global Optimization Algorithms for IoT Networks: A Comparative Study. , 2021, , .		1
41	Multi-objective optimal power flow solutions using a constraint handling technique of evolutionary algorithms. Soft Computing, 2020, 24, 2999-3023.	3.6	69
42	Heterogeneous oblique random forest. Pattern Recognition, 2020, 99, 107078.	8.1	74
43	Oblique Decision Tree Ensemble via Twin Bounded SVM. Expert Systems With Applications, 2020, 143, 113072.	7.6	38
44	Chaotic Heterogeneous Comprehensive Learning Particle Swarm Optimizer Variants for Permanent Magnet Synchronous Motor Models Parameters Estimation. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 1299-1318.	2.3	13
45	Regularized robust fuzzy least squares twin support vector machine for class imbalance learning. , 2020, , .		11
46	MMOGA for Solving Multimodal Multiobjective Optimization Problems with Local Pareto Sets. , 2020, , .		6
47	Large Initial Population and Neighborhood Search incorporated in LSHADE to solve CEC2020 Benchmark Problems. , 2020, , .		10
48	Voting-mechanism based ensemble constraint handling technique for real-world single-objective constrained optimization. , 2020, , .		6
49	A Differential Evolution Algorithm with Q-Learning for Solving Engineering Design Problems. , 2020, , .		9
50	A survey on meta-heuristics for solving disassembly line balancing, planning and scheduling problems in remanufacturing. Swarm and Evolutionary Computation, 2020, 57, 100719.	8.1	82
51	Non-iterative Learning Approaches and Their Applications. Cognitive Computation, 2020, 12, 327-329.	5.2	1
52	A test-suite of non-convex constrained optimization problems from the real-world and some baseline results. Swarm and Evolutionary Computation, 2020, 56, 100693.	8.1	223
53	Minimum Variance Embedded Random Vector Functional Link Network. Communications in Computer and Information Science, 2020, , 412-419.	0.5	10
54	Classification of Stock Market Trends with Confidence-Based Selective Predictions. Communications in Computer and Information Science, 2020, , 93-104.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Adaptive Ensemble Variants of Random Vector Functional Link Networks. Communications in Computer and Information Science, 2020, , 30-37.	0.5	3
56	Oblique Random Forests on Residual Network Features. Lecture Notes in Computer Science, 2020, , 306-317.	1.3	0
57	$\mathbb{I}_m$ SDE An Indicator for Multi and Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 346-352.	10.0	124
58	Parameter estimation of solar cells using datasheet information with the application of an adaptive differential evolution algorithm. Renewable Energy, 2019, 132, 425-438.	8.9	132
59	Comprehensive evaluation of twin SVM based classifiers on UCI datasets. Applied Soft Computing Journal, 2019, 83, 105617.	7.2	42
60	Stacked autoencoder based deep random vector functional link neural network for classification. Applied Soft Computing Journal, 2019, 85, 105854.	7.2	76
61	Static and dynamic photovoltaic models' parameters identification using Chaotic Heterogeneous Comprehensive Learning Particle Swarm Optimizer variants. Energy Conversion and Management, 2019, 182, 546-563.	9.2	140
62	Dynamic economic emission dispatch based on multi-objective pigeon-inspired optimization with double disturbance. Science China Information Sciences, 2019, 62, 1.	4.3	6
63	Bio-inspired computation: Where we stand and what's next. Swarm and Evolutionary Computation, 2019, 48, 220-250.	8.1	430
64	General twin support vector machine with pinball loss function. Information Sciences, 2019, 494, 311-327.	6.9	82
65	An Adaptive Resource Allocation Strategy for Objective Space Partition-Based Multiobjective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-16.	9.3	49
66	Fusion of multiple indicators with ensemble incremental learning techniques for stock price forecasting. Journal of Banking and Financial Technology, 2019, 3, 33-42.	3.8	18
67	Bacterial foraging optimization algorithm in robotic cells with sequence-dependent setup times. Knowledge-Based Systems, 2019, 172, 104-122.	7.1	27
68	Comparison between MOEA/D and NSGA-III on a set of novel many and multi-objective benchmark problems with challenging difficulties. Swarm and Evolutionary Computation, 2019, 46, 104-117.	8.1	123
69	Unit commitment using time-ahead priority list and heterogeneous comprehensive learning PSO. , 2019, , .		2
70	Ensemble strategies for population-based optimization algorithms – A survey. Swarm and Evolutionary Computation, 2019, 44, 695-711.	8.1	189
71	Solving Traffic Signal Scheduling Problems in Heterogeneous Traffic Network by Using Meta-Heuristics. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3272-3282.	8.0	40
72	An efficient Differential Evolution algorithm for stochastic OPF based active-reactive power dispatch problem considering renewable generators. Applied Soft Computing Journal, 2019, 76, 445-458.	7.2	57

#	ARTICLE	IF	CITATIONS
73	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	134
74	Meta-Heuristics for Bi-Objective Urban Traffic Light Scheduling Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 2618-2629.	8.0	32
75	Flexible Job-Shop Rescheduling for New Job Insertion by Using Discrete Jaya Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1944-1955.	9.5	184
76	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.	3.0	25
77	Multiobjective economic-environmental power dispatch with stochastic wind-solar-small hydro power. <i>Energy</i> , 2018, 150, 1039-1057.	8.8	187
78	A balanced fuzzy Cultural Algorithm with a modified Levy flight search for real parameter optimization. <i>Information Sciences</i> , 2018, 447, 12-35.	6.9	33
79	An improved differential evolution algorithm using efficient adapted surrogate model for numerical optimization. <i>Information Sciences</i> , 2018, 451-452, 326-347.	6.9	81
80	Ensemble incremental learning Random Vector Functional Link network for short-term electric load forecasting. <i>Knowledge-Based Systems</i> , 2018, 145, 182-196.	7.1	126
81	High-quality face image generated with conditional boundary equilibrium generative adversarial networks. <i>Pattern Recognition Letters</i> , 2018, 111, 72-79.	4.2	23
82	An improved class of real-coded Genetic Algorithms for numerical optimization. <i>Neurocomputing</i> , 2018, 275, 155-166.	5.9	68
83	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.	8.1	180
84	Ensemble of differential evolution variants. <i>Information Sciences</i> , 2018, 423, 172-186.	6.9	302
85	Ensemble of parameters in a sinusoidal differential evolution with niching-based population reduction. <i>Swarm and Evolutionary Computation</i> , 2018, 39, 141-156.	8.1	52
86	Decomposition based multi-objective evolutionary algorithm for windfarm layout optimization. <i>Renewable Energy</i> , 2018, 115, 326-337.	8.9	42
87	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	63
88	Population topologies for particle swarm optimization and differential evolution. <i>Swarm and Evolutionary Computation</i> , 2018, 39, 24-35.	8.1	125
89	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.	8.1	196
90	Real-parameter unconstrained optimization based on enhanced fitness-adaptive differential evolution algorithm with novel mutation. <i>Soft Computing</i> , 2018, 22, 3215-3235.	3.6	132

#	ARTICLE	IF	CITATIONS
91	Ensemble Incremental Random Vector Functional Link Network for Short-term Crude Oil Price Forecasting. , 2018, , .		5
92	Dropout and DropConnect based Ensemble of Random Vector Functional Link Neural Network. , 2018, , .		5
93	Optimal Power Flow Solutions Using Algorithm Success History Based Adaptive Differential Evolution with Linear Population Reduction. , 2018, , .		8
94	Enhancing Multi-Class Classification of Random Forest using Random Vector Functional Neural Network and Oblique Decision Surfaces. , 2018, , .		13
95	Distribution Network Reconfiguration Together with Distributed Generator and Shunt Capacitor Allocation for Loss Minimization. , 2018, , .		12
96	Differential Evolution with Stochastic Selection for Uncertain Environments: A Smart Grid Application. , 2018, , .		3
97	Letter: On non-iterative learning algorithms with closed-form solution. Applied Soft Computing Journal, 2018, 70, 1078-1082.	7.2	60
98	A hybrid cuckoo search algorithm in parallel batch processing machines with unequal job ready times. Computers and Industrial Engineering, 2018, 124, 65-76.	6.3	24
99	A hybrid artificial bee colony algorithm for the job-shop scheduling problem with no-wait constraint. Soft Computing, 2017, 21, 1193-1202.	3.6	75
100	Empirical Mode Decomposition based ensemble deep learning for load demand time series forecasting. Applied Soft Computing Journal, 2017, 54, 246-255.	7.2	348
101	Ensemble particle swarm optimizer. Applied Soft Computing Journal, 2017, 55, 533-548.	7.2	217
102	Optimization of Wind Turbine Rotor Diameters and Hub Heights in a Windfarm Using Differential Evolution Algorithm. Advances in Intelligent Systems and Computing, 2017, , 131-141.	0.6	8
103	Robust visual tracking via co-trained Kernelized correlation filters. Pattern Recognition, 2017, 69, 82-93.	8.1	84
104	Short-term Electricity Price Forecasting with Empirical Mode Decomposition based Ensemble Kernel Machines. Procedia Computer Science, 2017, 108, 1308-1317.	2.0	36
105	Benchmarking Ensemble Classifiers with Novel Co-Trained Kernel Ridge Regression and Random Vector Functional Link Ensembles [Research Frontier]. IEEE Computational Intelligence Magazine, 2017, 12, 61-72.	3.2	90
106	Minimizing harmonic distortion in power system with optimal design of hybrid active power filter using differential evolution. Applied Soft Computing Journal, 2017, 61, 486-496.	7.2	64
107	An Ensemble of Kernel Ridge Regression for Multi-class Classification. Procedia Computer Science, 2017, 108, 375-383.	2.0	31
108	Using variable reduction strategy to accelerate evolutionary optimization. Applied Soft Computing Journal, 2017, 61, 283-293.	7.2	28

#	ARTICLE	IF	CITATIONS
109	Stock Price Forecasting with Empirical Mode Decomposition Based Ensemble $\alpha$ -Support Vector Regression Model. Communications in Computer and Information Science, 2017, , 22-34.	0.5	4
110	Ensemble sinusoidal differential covariance matrix adaptation with Euclidean neighborhood for solving CEC2017 benchmark problems. , 2017, , .		172
111	Optimal placement of wind turbines in a windfarm using L-SHADE algorithm. , 2017, , .		16
112	A novel differential crossover strategy based on covariance matrix learning with Euclidean neighborhood for solving real-world problems. , 2017, , .		6
113	Optimal power flow solutions incorporating stochastic wind and solar power. Energy Conversion and Management, 2017, 148, 1194-1207.	9.2	342
114	A multiobjective approach for optimal placement and sizing of distributed generators and capacitors in distribution network. Applied Soft Computing Journal, 2017, 60, 268-280.	7.2	105
115	Minimizing THD of multilevel inverters with optimal values of DC voltages and switching angles using LSHADE-EpSin algorithm. , 2017, , .		13
116	Visual Tracking With Convolutional Random Vector Functional Link Network. IEEE Transactions on Cybernetics, 2017, 47, 3243-3253.	9.5	110
117	CADE: A hybridization of Cultural Algorithm and Differential Evolution for numerical optimization. Information Sciences, 2017, 378, 215-241.	6.9	72
118	An Adaptive Multipopulation Differential Evolution With Dynamic Population Reduction. IEEE Transactions on Cybernetics, 2017, 47, 2768-2779.	9.5	106
119	Computing with the collective intelligence of honey bees “ A survey. Swarm and Evolutionary Computation, 2017, 32, 25-48.	8.1	100
120	Iterated greedy algorithms for the blocking flowshop scheduling problem with makespan criterion. Computers and Operations Research, 2017, 77, 111-126.	4.0	91
121	Robust Visual Tracking Using Oblique Random Forests. , 2017, , .		53
122	Optimal reconfiguration and distributed generator allocation in distribution network using an advanced adaptive differential evolution. , 2017, , .		7
123	Short-term wind power ramp forecasting with empirical mode decomposition based ensemble learning techniques. , 2017, , .		7
124	A heterogeneous ensemble of trees. , 2017, , .		2
125	Large-Scale Portfolio Optimization Using Multiobjective Evolutionary Algorithms and Preselection Methods. Mathematical Problems in Engineering, 2017, 2017, 1-14.	1.1	16
126	Oblique random forest ensemble via Least Square Estimation for time series forecasting. Information Sciences, 2017, 420, 249-262.	6.9	76



#	ARTICLE	IF	CITATIONS
127	Discrete harmony search algorithm for flexible job shop scheduling problem with multiple objectives. Journal of Intelligent Manufacturing, 2016, 27, 363-374.	7.3	131
128	A Novel Empirical Mode Decomposition With Support Vector Regression for Wind Speed Forecasting. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1793-1798.	11.3	151
129	Multi-objective optimization for shading devices in buildings by using evolutionary algorithms. , 2016, , .		12
130	Heterogeneous ensemble for power load demand forecasting. , 2016, , .		2
131	Multi-objective harmony search algorithm for layout design in theatre hall acoustics. , 2016, , .		5
132	Electricity load demand time series forecasting with Empirical Mode Decomposition based Random Vector Functional Link network. , 2016, , .		14
133	Differential evolution with stochastic fractal search algorithm for global numerical optimization. , 2016, , .		12
134	An ensemble sinusoidal parameter adaptation incorporated with L-SHADE for solving CEC2014 benchmark problems. , 2016, , .		124
135	Self-adaptive Ensemble Differential Evolution with Sampled Parameter Values for Unit Commitment. Lecture Notes in Computer Science, 2016, , 1-16.	1.3	0
136	An ensemble of differential evolution algorithms with variable neighborhood search for constrained function optimization. , 2016, , .		4
137	Artificial neural network regression as a local search heuristic for ensemble strategies in differential evolution. Nonlinear Dynamics, 2016, 84, 895-914.	5.2	56
138	An improved artificial bee colony algorithm for flexible job-shop scheduling problem with fuzzy processing time. Expert Systems With Applications, 2016, 65, 52-67.	7.6	124
139	A modified cultural algorithm with a balanced performance for the differential evolution frameworks. Knowledge-Based Systems, 2016, 111, 73-86.	7.1	30
140	A decremental stochastic fractal differential evolution for global numerical optimization. Information Sciences, 2016, 372, 470-491.	6.9	24
141	Neil3 induced neurogenesis protects against prion disease during the clinical phase. Scientific Reports, 2016, 6, 37844.	3.3	24
142	Artificial bee colony algorithm for scheduling and rescheduling fuzzy flexible job shop problem with new job insertion. Knowledge-Based Systems, 2016, 109, 1-16.	7.1	112
143	Economic dispatch using hybrid grey wolf optimizer. Energy, 2016, 111, 630-641.	8.8	291
144	A survey of randomized algorithms for training neural networks. Information Sciences, 2016, 364-365, 146-155.	6.9	237

#	ARTICLE	IF	CITATIONS
145	Ensemble Classification and Regression-Recent Developments, Applications and Future Directions [Review Article]. IEEE Computational Intelligence Magazine, 2016, 11, 41-53.	3.2	470
146	Random vector functional link network for short-term electricity load demand forecasting. Information Sciences, 2016, 367-368, 1078-1093.	6.9	214
147	A novel hybrid Cultural Algorithms framework with trajectory-based search for global numerical optimization. Information Sciences, 2016, 334-335, 219-249.	6.9	36
148	Recent advances in differential evolution “ An updated survey. Swarm and Evolutionary Computation, 2016, 27, 1-30.	8.1	1,261
149	Economic emission dispatch problems with stochastic wind power using summation based multi-objective evolutionary algorithm. Information Sciences, 2016, 351, 48-66.	6.9	118
150	Differential evolution with multi-population based ensemble of mutation strategies. Information Sciences, 2016, 329, 329-345.	6.9	435
151	A comprehensive evaluation of random vector functional link networks. Information Sciences, 2016, 367-368, 1094-1105.	6.9	306
152	Novel benchmark functions for continuous multimodal optimization with comparative results. Swarm and Evolutionary Computation, 2016, 26, 23-34.	8.1	85
153	Leveraged Neighborhood Restructuring in Cultural Algorithms for Solving Real-World Numerical Optimization Problems. IEEE Transactions on Evolutionary Computation, 2016, 20, 218-231.	10.0	27
154	Ensemble and Arithmetic Recombination-Based Speciation Differential Evolution for Multimodal Optimization. IEEE Transactions on Cybernetics, 2016, 46, 64-74.	9.5	93
155	Modified Artificial Bee Colony Algorithm with Comprehensive Learning Re-initialization Strategy. , 2015, , .		2
156	Computational intelligence in sports: Challenges and opportunities within a new research domain. Applied Mathematics and Computation, 2015, 262, 178-186.	2.2	74
157	Ensemble methods for wind and solar power forecasting“ A state-of-the-art review. Renewable and Sustainable Energy Reviews, 2015, 50, 82-91.	16.4	314
158	Ensemble of Constraint Handling Techniques for Single Objective Constrained Optimization. Infosys Science Foundation Series, 2015, , 231-248.	0.6	3
159	Modeling of steelmaking process with effective machine learning techniques. Expert Systems With Applications, 2015, 42, 4687-4696.	7.6	71
160	Distance Based Locally Informed Particle Swarm Optimizer with Dynamic Population Size. Proceedings in Adaptation, Learning and Optimization, 2015, , 577-587.	1.6	3
161	Multi-population differential evolution with balanced ensemble of mutation strategies for large-scale global optimization. Applied Soft Computing Journal, 2015, 33, 304-327.	7.2	121
162	Detecting Wind Power Ramp with Random Vector Functional Link (RVFL) Network. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
163	Cluster-based differential evolution with heterogeneous influence for numerical optimization. , 2015, , .		6
164	Visual Tracking with Convolutional Neural Network. , 2015, , .		6
165	A variable reduction strategy for evolutionary algorithms handling equality constraints. Applied Soft Computing Journal, 2015, 37, 774-786.	7.2	94
166	A Comparative Study of Empirical Mode Decomposition-Based Short-Term Wind Speed Forecasting Methods. IEEE Transactions on Sustainable Energy, 2015, 6, 236-244.	8.8	249
167	Heterogeneous comprehensive learning particle swarm optimization with enhanced exploration and exploitation. Swarm and Evolutionary Computation, 2015, 24, 11-24.	8.1	380
168	A two-stage artificial bee colony algorithm scheduling flexible job-shop scheduling problem with new job insertion. Expert Systems With Applications, 2015, 42, 7652-7663.	7.6	144
169	An effective discrete harmony search algorithm for flexible job shop scheduling problem with fuzzy processing time. International Journal of Production Research, 2015, 53, 5896-5911.	7.5	60
170	Oblique Decision Tree Ensemble via Multisurface Proximal Support Vector Machine. IEEE Transactions on Cybernetics, 2015, 45, 2165-2176.	9.5	105
171	Effective ensembles of heuristics for scheduling flexible job shop problem with new job insertion. Computers and Industrial Engineering, 2015, 90, 107-117.	6.3	53
172	Bilevel Optimization Using Bacteria Foraging Optimization Algorithm. Lecture Notes in Computer Science, 2015, , 351-362.	1.3	1
173	A Differential Evolution Algorithm with a Variable Neighborhood Search for Constrained Function Optimization. Adaptation, Learning, and Optimization, 2015, , 171-184.	0.6	6
174	Differential Evolution with Two Subpopulations. Lecture Notes in Computer Science, 2015, , 1-13.	1.3	2
175	Gaussian adaptation based parameter adaptation for differential evolution. , 2014, , .		16
176	Ensemble deep learning for regression and time series forecasting. , 2014, , .		182
177	Niching-based Self-adaptive Ensemble DE with MMTS for solving dynamic optimization problems. , 2014, , .		3
178	Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions. , 2014, , .		43
179	Empirical mode decomposition based adaboost-backpropagation neural network method for wind speed forecasting. , 2014, , .		7
180	Cultural Algorithms applied to the evolution of robotic soccer team tactics: A novel perspective. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
181	Random Forests with ensemble of feature spaces. Pattern Recognition, 2014, 47, 3429-3437.	8.1	100
182	Unit commitment - a survey and comparison of conventional and nature inspired algorithms. International Journal of Bio-Inspired Computation, 2014, 6, 71.	0.9	35
183	Towards generating random forests via extremely randomized trees. , 2014, , .		14
184	Solving the steelmaking casting problem using an effective fruit fly optimisation algorithm. Knowledge-Based Systems, 2014, 72, 28-36.	7.1	93
185	Pareto-based grouping discrete harmony search algorithm for multi-objective flexible job shop scheduling. Information Sciences, 2014, 289, 76-90.	6.9	136
186	Analyzing convergence performance of evolutionary algorithms: A statistical approach. Information Sciences, 2014, 289, 41-58.	6.9	117
187	Solving system-level synthesis problem by a multi-objective estimation of distribution algorithm. Expert Systems With Applications, 2014, 41, 2496-2513.	7.6	15
188	Achieving high robustness and performance in QoS-aware route planning for IPTV networks. Information Sciences, 2014, 269, 217-237.	6.9	0
189	A Differential Evolution Framework with Ensemble of Parameters and Strategies and Pool of Local Search Algorithms. Lecture Notes in Computer Science, 2014, , 615-626.	1.3	13
190	Empirical Mode Decomposition-k Nearest Neighbor Models for Wind Speed Forecasting. Journal of Power and Energy Engineering, 2014, 02, 176-185.	0.6	22
191	Effective heuristics for the no-wait flow shop scheduling problem with total flow time minimization. International Journal of Advanced Manufacturing Technology, 2013, 66, 1563-1572.	3.0	38
192	A Swarm Intelligence Approach to Flexible Job-Shop Scheduling Problem with No-Wait Constraint in Remanufacturing. Lecture Notes in Computer Science, 2013, , 593-602.	1.3	6
193	K-nearest neighbor based bagging SVM pruning. , 2013, , .		2
194	A variable iterated greedy algorithm with differential evolution for the no-idle permutation flowshop scheduling problem. Computers and Operations Research, 2013, 40, 1729-1743.	4.0	86
195	Migrating forager population in a multi-population Artificial Bee Colony algorithm with modified perturbation schemes. , 2013, , .		20
196	Empirical investigations into the exponential crossover of differential evolutions. Swarm and Evolutionary Computation, 2013, 9, 27-36.	8.1	37
197	Metaheuristic algorithms for the quadratic assignment problem. , 2013, , .		9
198	Comprehensive learning particle swarm optimizer with guidance vector selection. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
199	Improved CMA-ES with Memory based Directed Individual Generation for Real Parameter Optimization. , 2013, , .		5
200	Statistical analysis of convergence performance throughout the evolutionary search: A case study with SaDE-MMTS and Sa-EPDSDE-MMTS. , 2013, , .		11
201	Ensemble crowding differential evolution with neighborhood mutation for multimodal optimization. , 2013, , .		2
202	Adaptive Differential Evolution with Locality based Crossover for Dynamic Optimization. , 2013, , .		8
203	Synchronizing Differential Evolution with a modified affinity-based mutation framework. , 2013, , .		3
204	Risk minimization in biometric sensor networks: an evolutionary multi-objective optimization approach. Soft Computing, 2013, 17, 133-144.	3.6	3
205	A discrete artificial bee colony algorithm for the no-idle permutation flowshop scheduling problem with the total tardiness criterion. Applied Mathematical Modelling, 2013, 37, 6758-6779.	4.2	131
206	A Distance-Based Locally Informed Particle Swarm Model for Multimodal Optimization. IEEE Transactions on Evolutionary Computation, 2013, 17, 387-402.	10.0	327
207	An enhanced migrating birds optimization algorithm for no-wait flow shop scheduling problem. , 2013, , .		15
208	Hybrid discrete harmony search algorithm for scheduling re-processing problem in remanufacturing. , 2013, , .		3
209	A Hybrid Discrete Differential Evolution Algorithm for Economic Lot Scheduling Problem with Time Variant Lot Sizing. Advances in Intelligent Systems and Computing, 2013, , 1-12.	0.6	2
210	A hybrid ARIMA-DENFIS method for wind speed forecasting. , 2013, , .		7
211	Instance based random forest with rotated feature space. , 2013, , .		4
212	Improved Adaptive Differential Evolution Algorithm with External Archive. Lecture Notes in Computer Science, 2013, , 170-178.	1.3	3
213	A General Variable Neighborhood Search Algorithm for the No-Idle Permutation Flowshop Scheduling Problem. Lecture Notes in Computer Science, 2013, , 24-34.	1.3	10
214	A Novel Improved Discrete ABC Algorithm for Manpower Scheduling Problem in Remanufacturing. Lecture Notes in Computer Science, 2013, , 738-749.	1.3	2
215	A composite heuristic for the no-wait flow shop scheduling. , 2012, , .		0
216	An improved multi-objective optimization algorithm based on fuzzy dominance for risk minimization in biometric sensor network. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
217	Design of Fractional Order Controller for a servohydraulic positioning system with micro Artificial Bee Colony algorithm. , 2012, , .		9
218	Comprehensive comparison of convergence performance of optimization algorithms based on nonparametric statistical tests. , 2012, , .		6
219	Discrete Harmony Search Algorithm for Dynamic FJSSP in Remanufacturing Engineering. Lecture Notes in Computer Science, 2012, , 9-16.	1.3	0
220	Pareto-based discrete harmony search algorithm for flexible job shop scheduling. , 2012, , .		2
221	Decomposition-Based Multiobjective Evolutionary Algorithm With an Ensemble of Neighborhood Sizes. IEEE Transactions on Evolutionary Computation, 2012, 16, 442-446.	10.0	364
222	Optimal Multi-objective Reactive Power Dispatch Considering Static Voltage Stability Based on Dynamic Multi-group Self-Adaptive Differential Evolution Algorithm. , 2012, , .		3
223	Ensemble Differential Evolution with dynamic subpopulations and adaptive clearing for solving dynamic optimization problems. , 2012, , .		3
224	A kernel-ensemble bagging support vector machine. , 2012, , .		3
225	Efficient constraint handling for optimal reactive power dispatch problems. Swarm and Evolutionary Computation, 2012, 5, 28-36.	8.1	111
226	Differential Evolution Algorithm: Recent Advances. Lecture Notes in Computer Science, 2012, , 30-46.	1.3	15
227	Differential Evolution With Neighborhood Mutation for Multimodal Optimization. IEEE Transactions on Evolutionary Computation, 2012, 16, 601-614.	10.0	440
228	Memetic Fitness Euclidean-Distance Particle Swarm Optimization for Multi-modal Optimization. Lecture Notes in Computer Science, 2012, , 378-385.	1.3	3
229	Ensemble of Clearing Differential Evolution for Multi-modal Optimization. Lecture Notes in Computer Science, 2012, , 350-357.	1.3	13
230	Dynamic Multi-Swarm Particle Swarm Optimization for Multi-objective optimization problems. , 2012, , .		18
231	A Differential Covariance Matrix Adaptation Evolutionary Algorithm for real parameter optimization. Information Sciences, 2012, 182, 199-219.	6.9	83
232	Niching particle swarm optimization with local search for multi-modal optimization. Information Sciences, 2012, 197, 131-143.	6.9	149
233	A dynamic neighborhood learning based particle swarm optimizer for global numerical optimization. Information Sciences, 2012, 209, 16-36.	6.9	177
234	An Adaptive Differential Evolution Algorithm With Novel Mutation and Crossover Strategies for Global Numerical Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 482-500.	5.0	517

#	ARTICLE	IF	CITATIONS
235	A Variable Iterated Greedy Algorithm with Differential Evolution for Solving No-Idle Flowshops. Lecture Notes in Computer Science, 2012, , 128-135.	1.3	1
236	Solving Fuzzy Job-Shop Scheduling Problem by a Hybrid PSO Algorithm. Lecture Notes in Computer Science, 2012, , 275-282.	1.3	9
237	Constrained multi-objective optimization algorithm with an ensemble of constraint handling methods. Engineering Optimization, 2011, 43, 403-416.	2.6	139
238	A differential evolution algorithm for the median cycle problem. , 2011, , .		1
239	Multi-objective differential evolution based on the summation of normalized objectives and improved selection method. , 2011, , .		13
240	Constrained real parameter optimization with a gradient repair based Differential Evolution algorithm. , 2011, , .		10
241	A differential covariance matrix adaptation evolutionary algorithm for global optimization. , 2011, , .		8
242	Design of Non-Uniform Circular Antenna Arrays Using a Modified Invasive Weed Optimization Algorithm. IEEE Transactions on Antennas and Propagation, 2011, 59, 110-118.	5.1	144
243	Real-parameter evolutionary multimodal optimization " A survey of the state-of-the-art. Swarm and Evolutionary Computation, 2011, 1, 71-88.	8.1	325
244	Two- <i>l</i> best-based multi-objective particle swarm optimizer. Engineering Optimization, 2011, 43, 1-17.	2.6	107
245	A differential evolution algorithm for the no-idle flowshop scheduling problem with total tardiness criterion. International Journal of Production Research, 2011, 49, 5033-5050.	7.5	50
246	Ensemble strategies in Compact Differential Evolution. , 2011, , .		11
247	NEAR OPTIMAL ROBUST ADAPTIVE BEAMFORMING APPROACH BASED ON EVOLUTIONARY ALGORITHM. Progress in Electromagnetics Research B, 2011, 29, 157-174.	1.0	17
248	A DIFFERENTIAL EVOLUTION APPROACH FOR ROBUST ADAPTIVE BEAMFORMING BASED ON JOINT ESTIMATION OF LOOK DIRECTION AND ARRAY GEOMETRY. Progress in Electromagnetics Research, 2011, 119, 381-394.	4.4	34
249	Differential Evolution: A Survey of the State-of-the-Art. IEEE Transactions on Evolutionary Computation, 2011, 15, 4-31.	10.0	4,326
250	Guest Editorial Special Issue on Differential Evolution. IEEE Transactions on Evolutionary Computation, 2011, 15, 1-3.	10.0	26
251	Self-adaptive differential evolution with multi-trajectory search for large-scale optimization. Soft Computing, 2011, 15, 2175-2185.	3.6	143
252	A hybrid tabu search algorithm with an efficient neighborhood structure for the flexible job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2011, 52, 683-697.	3.0	137



#	ARTICLE	IF	CITATIONS
253	AFP-Pred: A random forest approach for predicting antifreeze proteins from sequence-derived properties. <i>Journal of Theoretical Biology</i> , 2011, 270, 56-62.	1.7	226
254	Constrained self-adaptive differential evolution based design of robust optimal fixed structure controller. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 1084-1093.	8.1	12
255	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.	7.6	91
256	Dynamic multi-swarm particle swarm optimizer with harmony search. <i>Expert Systems With Applications</i> , 2011, 38, 3735-3742.	7.6	109
257	A discrete artificial bee colony algorithm for the lot-streaming flow shop scheduling problem. <i>Information Sciences</i> , 2011, 181, 2455-2468.	6.9	493
258	Multi-objective robust PID controller tuning using two lbests multi-objective particle swarm optimization. <i>Information Sciences</i> , 2011, 181, 3323-3335.	6.9	98
259	A discrete artificial bee colony algorithm for the total flowtime minimization in permutation flow shops. <i>Information Sciences</i> , 2011, 181, 3459-3475.	6.9	220
260	A differential evolution algorithm with self-adapting strategy and control parameters. <i>Computers and Operations Research</i> , 2011, 38, 394-408.	4.0	147
261	Differential evolution algorithm with ensemble of parameters and mutation strategies. <i>Applied Soft Computing Journal</i> , 2011, 11, 1679-1696.	7.2	1,156
262	Multiobjective evolutionary algorithms: A survey of the state of the art. <i>Swarm and Evolutionary Computation</i> , 2011, 1, 32-49.	8.1	1,788
263	Modified differential evolution with local search algorithm for real world optimization. , 2011, , .		20
264	Ensemble differential evolution algorithm for CEC2011 problems. , 2011, , .		34
265	SVMCRYST: An SVM Approach for the Prediction of Protein Crystallization Propensity from Protein Sequence. <i>Protein and Peptide Letters</i> , 2010, 17, 423-430.	0.9	34
266	Multi-objective differential evolution with diversity enhancement. <i>Journal of Zhejiang University: Science C</i> , 2010, 11, 538-543.	0.7	16
267	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.	3.0	16
268	A novel hybrid discrete differential evolution algorithm for blocking flow shop scheduling problems. <i>Computers and Operations Research</i> , 2010, 37, 509-520.	4.0	221
269	Identification of functionally diverse lipocalin proteins from sequence information using support vector machine. <i>Amino Acids</i> , 2010, 39, 777-783.	2.7	11
270	An approach for classification of highly imbalanced data using weighting and undersampling. <i>Amino Acids</i> , 2010, 39, 1385-1391.	2.7	134



#	ARTICLE	IF	CITATIONS
271	Ensemble of Constraint Handling Techniques. IEEE Transactions on Evolutionary Computation, 2010, 14, 561-579.	10.0	397
272	Identification and analysis of transcription factor family-specific features derived from DNA and protein information. Pattern Recognition Letters, 2010, 31, 2097-2102.	4.2	2
273	An ensemble of discrete differential evolution algorithms for solving the generalized traveling salesman problem. Applied Mathematics and Computation, 2010, 215, 3356-3368.	2.2	140
274	A self-adaptive global best harmony search algorithm for continuous optimization problems. Applied Mathematics and Computation, 2010, 216, 830-848.	2.2	346
275	Ensemble strategies with adaptive evolutionary programming. Information Sciences, 2010, 180, 1571-1581.	6.9	110
276	Ensemble of niching algorithms. Information Sciences, 2010, 180, 2815-2833.	6.9	126
277	Multi-objective evolutionary algorithms based on the summation of normalized objectives and diversified selection. Information Sciences, 2010, 180, 3170-3181.	6.9	113
278	Insights into Protein Sequence and Structure-Derived Features Mediating 3D Domain Swapping Mechanism using Support Vector Machine Based Approach. Bioinformatics and Biology Insights, 2010, 4, BBI.S4464.	2.0	13
279	Multi-objective robust PID controller tuning using multi-objective differential evolution. , 2010, , .		5
280	A local-best harmony search algorithm with dynamic subpopulations. Engineering Optimization, 2010, 42, 101-117.	2.6	75
281	Achieving high robustness and performance in performing QoS-aware route planning for IPTV networks. , 2010, , .		1
282	Novel multimodal problems and differential evolution with ensemble of restricted tournament selection. , 2010, , .		57
283	Dynamic multi-swarm particle swarm optimizer with sub-regional harmony search. , 2010, , .		45
284	Integration of functional information of genes in fuzzy clustering of short time series gene expression data. , 2010, , .		0
285	Artificial foraging weeds for global numerical optimization over continuous spaces. , 2010, , .		9
286	Constrained multi-objective optimization algorithm with diversity enhanced differential evolution. , 2010, , .		12
287	Differential evolution with ensemble of constraint handling techniques for solving CEC 2010 benchmark problems. , 2010, , .		56
288	Synthesis of Difference Patterns for Monopulse Antenna Arrays – An Evolutionary Multi-objective Optimization Approach. Lecture Notes in Computer Science, 2010, , 504-513.	1.3	0

#	ARTICLE	IF	CITATIONS
289	Self-adaptive Differential Evolution with Modified Multi-Trajectory Search for CEC™2010 Large Scale Optimization. Lecture Notes in Computer Science, 2010, , 1-10.	1.3	7
290	Dynamic Grouping Crowding Differential Evolution with Ensemble of Parameters for Multi-modal Optimization. Lecture Notes in Computer Science, 2010, , 19-28.	1.3	10
291	SPRED: A machine learning approach for the identification of classical and non-classical secretory proteins in mammalian genomes. Biochemical and Biophysical Research Communications, 2010, 391, 1306-1311.	2.1	33
292	Solving lot-streaming flow shop scheduling problems using a discrete harmony search algorithm. , 2010, , .		2
293	Multi objective evolutionary programming to solve environmental economic dispatch problem. , 2010, , .		6
294	SMpred: A Support Vector Machine Approach to Identify Structural Motifs in Protein Structure Without Using Evolutionary Information. Journal of Biomolecular Structure and Dynamics, 2010, 28, 405-414.	3.5	5
295	Multiobjective Particle Swarm optimizer with dynamic epsilon-dominance sorting. , 2010, , .		0
296	Differential Evolution Algorithm with Ensemble of Parameters and Mutation and Crossover Strategies. Lecture Notes in Computer Science, 2010, , 71-78.	1.3	59
297	Prediction of Apoptosis Protein Locations with Genetic Algorithms and Support Vector Machines Through a New Mode of Pseudo Amino Acid Composition. Protein and Peptide Letters, 2010, 17, 1473-1479.	0.9	75
298	Constraint Handling in Transmission Network Expansion Planning. Lecture Notes in Computer Science, 2010, , 709-717.	1.3	0
299	LINEAR ANTENNA ARRAY SYNTHESIS WITH CONSTRAINED MULTI-OBJECTIVE DIFFERENTIAL EVOLUTION. Progress in Electromagnetics Research B, 2010, 21, 87-111.	1.0	62
300	SYNTHESIS OF DIFFERENCE PATTERNS FOR MONOPULSE ANTENNAS WITH OPTIMAL COMBINATION OF ARRAY-SIZE AND NUMBER OF SUBARRAYS -- A MULTI-OBJECTIVE OPTIMIZATION APPROACH. Progress in Electromagnetics Research B, 2010, 21, 257-280.	1.0	25
301	Diversity enhanced Adaptive Evolutionary Programming for solving single objective constrained problems. , 2009, , .		6
302	Ensemble for Solving Quadratic Assignment Problems. , 2009, , .		2
303	Diversity enhanced particle swarm optimizer for global optimization of multimodal problems. , 2009, , .		6
304	Differential Evolution Algorithms for the Generalized Assignment problem. , 2009, , .		16
305	Evolutionary programming with ensemble of explicit memories for dynamic optimization. , 2009, , .		25
306	A differential evolution algorithm with variable parameter search for real-parameter continuous function optimization. , 2009, , .		6

#	ARTICLE	IF	CITATIONS
307	A Harmony Search Algorithm with Ensemble of Parameter Sets. , 2009, , .		15
308	Multi-objective evolutionary programming without non-domination sorting is up to twenty times faster. , 2009, , .		28
309	Identification of structurally conserved residues of proteins in absence of structural homologs using neural network ensemble. Bioinformatics, 2009, 25, 204-210.	4.1	70
310	Differential Evolution Algorithm With Strategy Adaptation for Global Numerical Optimization. IEEE Transactions on Evolutionary Computation, 2009, 13, 398-417.	10.0	3,183
311	Differential evolution algorithm with ensemble of populations for global numerical optimization. Opsearch, 2009, 46, 184-213.	1.8	35
312	Multiclass cancer classification by support vector machines with class-wise optimized genes and probability estimates. Journal of Theoretical Biology, 2009, 259, 533-540.	1.7	35
313	Multi-objective optimization using self-adaptive differential evolution algorithm. , 2009, , .		62
314	Prediction of functionally important sites from protein sequences using sparse kernel least squares classifiers. Biochemical and Biophysical Research Communications, 2009, 384, 155-159.	2.1	6
315	DNA-Prot: Identification of DNA Binding Proteins from Protein Sequence Information using Random Forest. Journal of Biomolecular Structure and Dynamics, 2009, 26, 679-686.	3.5	117
316	Metaheuristics for Common due Date Total Earliness and Tardiness Single Machine Scheduling Problem. Studies in Computational Intelligence, 2009, , 301-340.	0.9	0
317	Discrete/Binary Approach. Studies in Computational Intelligence, 2009, , 139-162.	0.9	0
318	Predicting protein structural class by SVM with class-wise optimized features and decision probabilities. Journal of Theoretical Biology, 2008, 253, 375-380.	1.7	55
319	Empirical study on the effect of population size on Differential evolution Algorithm. , 2008, , .		47
320	Evaluation of novel adaptive evolutionary programming on four constraint handling techniques. , 2008, , .		15
321	Upper bounds on Taillard's benchmark suite for the no-wait flowshop scheduling problem with makespan criterion. , 2008, , .		1
322	Identification of catalytic residues from protein structure using support vector machine with sequence and structural features. Biochemical and Biophysical Research Communications, 2008, 367, 630-634.	2.1	36
323	A dynamic bandwidth guaranteed routing using heuristic search for clustered topology. , 2008, , .		4
324	Empirical comparison of niching methods on hybrid composition functions. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
325	Differential evolution and Evolutionary Programming for solving non-convex economic dispatch problems. , 2008, , .		2
326	Dynamic multi-swarm particle swarm optimizer with local search for Large Scale Global Optimization. , 2008, , .		156
327	Prediction of Transcription Factor Families Using DNA Sequence Features. Lecture Notes in Computer Science, 2008, , 154-164.	1.3	1
328	Improved MOCLPSO algorithm for environmental/economic dispatch. , 2007, , .		4
329	SMotif: a server for structural motifs in proteins. Bioinformatics, 2007, 23, 637-638.	4.1	15
330	Multi-objective optimization based on self-adaptive differential evolution algorithm. , 2007, , .		47
331	A multi-layered solution for supporting isp traffic demand using genetic algorithm. , 2007, , .		3
332	MegaMotifBase: a database of structural motifs in protein families and superfamilies. Nucleic Acids Research, 2007, 36, D218-D221.	14.5	25
333	A discrete particle swarm optimization algorithm for the generalized traveling salesman problem. , 2007, , .		48
334	A Discrete Differential Evolution Algorithm for the Total Earliness and Tardiness Penalties with a Common Due Date on a Single-Machine. , 2007, , .		22
335	A genetic algorithm for the generalized traveling salesman problem. , 2007, , .		14
336	LisBON: A framework for parallelisation and hybridisation of optimisation algorithms. , 2007, , .		0
337	A Discrete Differential Evolution Algorithm for the No-Wait Flowshop Scheduling Problem with Total Flowtime Criterion. , 2007, , .		35
338	A novel fuzzy and multiobjective evolutionary algorithm based gene assignment for clustering short time series expression data. , 2007, , .		3
339	A machine learning approach for the identification of odorant binding proteins from sequence-derived properties. BMC Bioinformatics, 2007, 8, 351.	2.6	23
340	Feature Selection Approach for Quantitative Prediction of Transcriptional Activities. , 2006, , .		3
341	Wavelength detection in FBG sensor network using tree search DMS-PSO. IEEE Photonics Technology Letters, 2006, 18, 1305-1307.	2.5	37
342	Comprehensive learning particle swarm optimizer for global optimization of multimodal functions. IEEE Transactions on Evolutionary Computation, 2006, 10, 281-295.	10.0	3,070

#	ARTICLE	IF	CITATIONS
343	Efficient Feature Extraction Based on Regularized Uncorrelated Chernoff Discriminant Analysis. , 2006, , .		0
344	Design of triangular FBG filter for sensor applications using covariance matrix adapted evolution algorithm. Optics Communications, 2006, 260, 716-722.	2.1	33
345	An analysis of diversity measures. Machine Learning, 2006, 65, 247-271.	5.4	343
346	Performance Evaluation of Multiagent Genetic Algorithm. Natural Computing, 2006, 5, 83-96.	3.0	50
347	Generalized null space uncorrelated Fisher discriminant analysis for linear dimensionality reduction. Pattern Recognition, 2006, 39, 1805-1808.	8.1	21
348	Gene selection algorithms for microarray data based on least squares support vector machine. BMC Bioinformatics, 2006, 7, 95.	2.6	77
349	Comprehensive learning particle swarm optimizer for solving multiobjective optimization problems. International Journal of Intelligent Systems, 2006, 21, 209-226.	5.7	148
350	Genetic Algorithm for Silhouette Matching. , 2006, , .		0
351	Improving the performance of a FBG sensor network using a novel dynamic multi-swarm particle swarm optimizer. , 2005, 5998, 191.		6
352	Linear dimensionality reduction using relevance weighted LDA. Pattern Recognition, 2005, 38, 485-493.	8.1	91
353	Initialization insensitive LVQ algorithm based on cost-function adaptation. Pattern Recognition, 2005, 38, 773-776.	8.1	32
354	Enhanced neural gas network for prototype-based clustering. Pattern Recognition, 2005, 38, 1275-1288.	8.1	40
355	Evolutionary extreme learning machine. Pattern Recognition, 2005, 38, 1759-1763.	8.1	714
356	Genetic-algorithm-based design of a reconfigurable antenna array with discrete phase shifters. Microwave and Optical Technology Letters, 2005, 45, 461-465.	1.4	42
357	Design of Yagi-Uda antennas using comprehensive learning particle swarm optimisation. IET Microwaves Antennas and Propagation, 2005, 152, 340.	1.2	61
358	Uncorrelated heteroscedastic LDA based on the weighted pairwise Chernoff criterion. Pattern Recognition, 2005, 38, 613-616.	8.1	32
359	Design of optimal length low-dispersion FBG filter using covariance matrix adapted evolution. IEEE Photonics Technology Letters, 2005, 17, 2119-2121.	2.5	11
360	Feature Selection for Microarray Data Using Least Squares SVM and Particle Swarm Optimization. , 2005, , .		17

#	ARTICLE	IF	CITATIONS
361	Particle swarm optimization for the design of low-dispersion fiber Bragg gratings. IEEE Photonics Technology Letters, 2005, 17, 615-617.	2.5	35
362	An Accumulation Algorithm for Video Shot Boundary Detection. Multimedia Tools and Applications, 2004, 22, 89-106.	3.9	10
363	A novel kernel prototype-based learning algorithm. , 2004, , .		29
364	Kernel neural gas algorithms with application to cluster analysis. , 2004, , .		34
365	Evaluation of Comprehensive Learning Particle Swarm Optimizer. Lecture Notes in Computer Science, 2004, , 230-235.	1.3	37
366	Robust growing neural gas algorithm with application in cluster analysis. Neural Networks, 2004, 17, 1135-1148.	5.9	82
367	Video shot motion characterization based on hierarchical overlapped growing neural gas networks. Multimedia Systems, 2003, 9, 378-385.	4.7	22
368	Boosting the HONG network. Neurocomputing, 2003, 51, 75-86.	5.9	9
369	Structural pattern recognition using genetic algorithms with specialized operators. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 156-165.	5.0	17
370	Feature Analysis and Classification of Protein Secondary Structure Data. Lecture Notes in Computer Science, 2003, , 1151-1158.	1.3	11
371	Shape indexing using self-organizing maps. IEEE Transactions on Neural Networks, 2002, 13, 835-840.	4.2	23
372	Evaluation of genetic operators and solution representations for shape recognition by genetic algorithms. Pattern Recognition Letters, 2002, 23, 1589-1597.	4.2	20
373	Structural pattern recognition using genetic algorithms. Pattern Recognition, 2002, 35, 1883-1893.	8.1	42
374	Pattern classification using multiple hierarchical overlapped self-organising maps. Pattern Recognition, 2001, 34, 2173-2179.	8.1	14
375	Evaluation of Distance Measures for Partial Image Retrieval Using Self-Organizing Map. Lecture Notes in Computer Science, 2001, , 1042-1047.	1.3	1
376	Shapesom. , 2001, , 110-117.		0
377	On the performance of the HONG network for pattern classification. , 2000, , .		5
378	Hierarchical overlapped neural gas network with application to pattern classification. Neurocomputing, 2000, 35, 165-176.	5.9	13

#	ARTICLE	IF	CITATIONS
379	Combining classifiers based on confidence values. , 1999, , .		15
380	Hierarchical overlapped SOM's for pattern classification. IEEE Transactions on Neural Networks, 1999, 10, 193-196.	4.2	40
381	Hopfield network with constraint parameter adaptation for overlapped shape recognition. IEEE Transactions on Neural Networks, 1999, 10, 444-449.	4.2	29
382	Optimal encoding of graph homomorphism energy using fuzzy information aggregation operators. Pattern Recognition, 1998, 31, 623-639.	8.1	4
383	Recognition of handprinted Chinese characters by constrained graph matching. Image and Vision Computing, 1998, 16, 191-201.	4.5	33
384	Optimal mapping of graph homomorphism onto self organising Hopfield network. Image and Vision Computing, 1997, 15, 679-694.	4.5	10
385	<title>Neural-network-based system for recognition of partially occluded shapes and patterns</title>. , 1996, , .		0
386	Learning parameters for object recognition by the self-organizing Hopfield network. Journal of Network and Computer Applications, 1996, 19, 91-108.	9.1	0
387	Pattern recognition by graph matching using the Potts MFT neural networks. Pattern Recognition, 1995, 28, 997-1009.	8.1	71
388	Pattern recognition by homomorphic graph matching using Hopfield neural networks. Image and Vision Computing, 1995, 13, 45-60.	4.5	49
389	Self-organizing Hopfield network for attributed relational graph matching. Image and Vision Computing, 1995, 13, 61-73.	4.5	22
390	Handwritten Chinese character recognition by ARG matching using self-organising Hopfield neural network. , 0, , .		0
391	On mapping of ARG matching onto neural networks. , 0, , .		0
392	Programming Hopfield network for object recognition. , 0, , .		7
393	Multilayer backpropagation network for flexible circuit recognition. , 0, , .		6
394	Programming Hopfield network for relational homomorphism. , 0, , .		0
395	Fuzzy connectives based optimal mapping of homomorphic ARG matching onto self-organising Hopfield network. , 0, , .		1
396	Learning critical temperature for homomorphic ARG matching by self-organising Hopfield network. , 0, , .		0

#	ARTICLE	IF	CITATIONS
397	Potts MFT neural networks for recognition of partially occluded shapes. , 0, , .		0
398	Structure adaptive multilayer overlapped SOMs with supervision for handprinted digit classification. , 0, , .		1
399	Multiple HONG network fusion by fuzzy integral. , 0, , .		4
400	Combining multiple HONG networks for recognizing unconstrained handwritten numerals. , 0, , .		1
401	Solving jigsaw puzzles using Hopfield neural networks. , 0, , .		4
402	Particle swarm optimiser with neighbourhood operator. , 0, , .		287
403	Attributed relational graph matching by neural-gas networks. , 0, , .		3
404	Multiple relational graphs mapping using genetic algorithms. , 0, , .		4
405	An adaptive cumulation algorithm for video shot detection. , 0, , .		3
406	Hierarchical overlapped growing neural gas networks with applications to video shot detection and motion characterization. , 0, , .		0
407	Improving the performance of the HONG network with boosting. , 0, , .		0
408	Objective function decomposition within genetic algorithm. , 0, , .		0
409	Unsupervised similarity-based feature selection using heuristic Hopfield neural networks. , 0, , .		3
410	Concurrent PSO and FDR-PSO based reconfigurable phase-differentiated antenna array design. , 0, , .		5
411	Generalized LDA using relevance weighting and evolution strategy. , 0, , .		4
412	A novel concurrent particle swarm optimization. , 0, , .		56
413	Growing generalized learning vector quantization with local neighborhood adaptation rule. , 0, , .		1
414	A new generalized LVQ algorithm via harmonic to minimum distance measure transition. , 0, , .		1



#	ARTICLE	IF	CITATIONS
415	A robust neural gas algorithm for clustering analysis. , 0, , .		5
416	Multiclass protein fold recognition using multiobjective evolutionary algorithms. , 0, , .		13
417	Particle swarm optimization algorithms with novel learning strategies. , 0, , .		29
418	Novel composition test functions for numerical global optimization. , 0, , .		238
419	Dynamic Multi-Swarm Particle Swarm Optimizer with Local Search. , 0, , .		140
420	Dynamic multi-swarm particle swarm optimizer. , 0, , .		245
421	Self-adaptive Differential Evolution Algorithm for Numerical Optimization. , 0, , .		591
422	Dynamic Multi-Swarm Particle Swarm Optimizer with a Novel Constraint-Handling Mechanism. , 0, , .		83
423	A Multi-Populated Differential Evolution Algorithm for Solving Constrained Optimization Problem. , 0, , .		48
424	Self-adaptive Differential Evolution Algorithm for Constrained Real-Parameter Optimization. , 0, , .		160
425	Discrete Harmony Search Algorithm for the Disassembly Scheduling Remanufacturing Engineering. Applied Mechanics and Materials, 0, 236-237, 169-174.	0.2	1
426	Homomorphic ARG matching by Hopfield network. , 0, , .		0