Xiaodong Li

List of Publications by Year
in descending order

242 papers	10,404 citations	109311 35 h-index	43886 91 g-index
245 all docs	245 docs citations	245 times ranked	6557 citing authors

#	Article	IF	Citations
1	Multiobjectivization of Single-Objective Optimization in Evolutionary Computation: A Survey. IEEE Transactions on Cybernetics, 2023, 53, 3702-3715.	9.5	32
2	Current-Carrying Capability and Magnetic Behavior of the HTS Twisted Stacked-Tape Conductor Cable for the Compact Fusion Reactor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
3	Fault Diagnosis for Power Transistors in a Converter of Switched Reluctance Motors Based on Current Features. IEEE Sensors Journal, 2022, 22, 1414-1423.	4.7	7
4	Service robots' anthropomorphism: dimensions, factors and internal relationships. Electronic Markets, 2022, 32, 277-295.	8.1	14
5	Understanding Impacts of Service Robots with the Revised Gap Model. Sustainability, 2022, 14, 2692.	3.2	1
6	Transient Modulation for the Step-Load-Change Process in a Dual-Bridge Series Resonant Converter. Electronics (Switzerland), 2022, 11, 822.	3.1	1
7	Boosting ant colony optimization via solution prediction and machine learning. Computers and Operations Research, 2022, 143, 105769.	4.0	9
8	Coping with no-show behaviour in appointment services: a multistage perspective. Journal of Service Theory and Practice, 2022, 32, 452-474.	3.2	0
9	Exploring Patterns of Transportation-Related CO_2 Emissions Using Machine Learning Methods. Sustainability, 2022, 14, 4588.	3.2	10
10	Enhanced Multifactorial Evolutionary Algorithm With Meme Helper-Tasks. IEEE Transactions on Cybernetics, 2022, 52, 7837-7851.	9.5	20
11	The Effect of Production Structure Roundaboutness on the Innovation Capability of High-Tech Enterprises—The Mediating Role of Technology Absorption Path. Sustainability, 2022, 14, 5116.	3.2	1
12	Operation of a semi dual-bridge resonant converter with a tunable resonant tank. AEU - International Journal of Electronics and Communications, 2022, 152, 154261.	2.9	0
13	Generalization of machine learning for problem reduction: a case study on travelling salesman problems. OR Spectrum, 2021, 43, 607-633.	3.4	15
14	Using Statistical Measures and Machine Learning for Graph Reduction to Solve Maximum Weight Clique Problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1746-1760.	13.9	14
15	A tri-objective preference-based uniform weight design method using Delaunay triangulation. Soft Computing, 2021, 25, 9703-9729.	3.6	0
16	A Dual-Bridge DC–DC Resonant Converter Using Extended PWM and Phase-Shift Control. IEEE Transactions on Industry Applications, 2021, 57, 4009-4020.	4.9	12
17	An idea of employing a superconducting cylindrical linear induction pump for the nuclear power system. Nuclear Engineering and Design, 2021, 380, 111300.	1.7	1
18	Numerical Study of AC Loss Characteristics in a Three-Phase Superconducting Induction Pump. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2

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19	Solving the maximum edge disjoint path problem using a modified Lagrangian particle swarm optimisation hybrid. European Journal of Operational Research, 2021, 293, 847-862.	5.7	9
20	Thermo-economic analysis and optimization of the very high temperature gas-cooled reactor-based nuclear hydrogen production system using copper-chlorine cycle. International Journal of Hydrogen Energy, 2021, 46, 31563-31585.	7.1	20
21	A Transverse-Flux Single-Phase Tubular Switched Reluctance Linear Machine With 4 Poles. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	0
22	Design and Performance Analyses of Multi-pole HTS Maglev Guideways for the Electromagnetic Launch. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
23	Avoiding the ask on social media: investigating how process-related factors influence SNS donation avoidance. Internet Research, 2021, 31, 961-989.	4.9	2
24	Voltage Balanced Control for a Hybrid Dual Bridge Series Resonant Converter. , 2021, , .		1
25	An Optimal Modulation for a Semi Dual-Bridge Resonant Converter with a SCC-based Tunable Tank. , 2021, , .		1
26	Finding Representative Solutions in Multimodal Optimization for Enhanced Decision-Making. Natural Computing Series, 2021, , 57-88.	2.2	0
27	Fast Transient Modulation of a Dual-Bridge Series Resonant Converter. , 2021, , .		2
28	The Orchestrating Role of Carbon Subsidies in a Capital-Constrained Supply Chain. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	2
29	Constant-Current, Constant-Voltage Operation of a Dual-Bridge Resonant Converter: Modulation, Design and Experimental Results. Applied Sciences (Switzerland), 2021, 11, 12143.	2.5	4
30	A genetic algorithm with local search for solving single-source single-sink nonlinear non-convex minimum cost flow problems. Soft Computing, 2020, 24, 1153-1169.	3.6	6
31	An adaptive penalty-based boundary intersection method for many-objective optimization problem. Information Sciences, 2020, 509, 356-375.	6.9	9
32	A Hybrid Control of a Semidual-Active-Bridge DC–DC Converter With Minimum Current Stress. IEEE Transactions on Power Electronics, 2020, 35, 3085-3096.	7.9	17
33	Probabilistic tree-based representation for solving minimum cost integer flow problems with nonlinear non-convex cost functions. Applied Soft Computing Journal, 2020, 86, 105951.	7.2	1
34	How does mobility affect social media advertising effectiveness? A study in WeChat. Industrial Management and Data Systems, 2020, 120, 2081-2101.	3.7	17
35	Using System Dynamics and Game Model to Estimate Optimal Subsidy in Shore Power Technology. IEEE Access, 2020, 8, 116310-116320.	4.2	20
36	Encouraging Patient Engagement Behaviors from the Perspective of Functional Quality. International Journal of Environmental Research and Public Health, 2020, 17, 8613.	2.6	1

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37	Wide ZVS operation of a semi‐dual‐bridge resonant converter under variable‐frequency phase‐shift control. IET Power Electronics, 2020, 13, 1746-1755.	2.1	6
38	The dilemma of social commerce. Internet Research, 2020, 30, 1059-1080.	4.9	29
39	Unified Boundary Control With Phase Shift Compensation for Dual Bridge Series Resonant DC-DC Converter. IEEE Access, 2020, 8, 131137-131149.	4.2	12
40	Thermal Hydraulics Analysis of the Distribution Zone in Small Modular Dual Fluid Reactor. Metals, 2020, 10, 1065.	2.3	6
41	Prediction of "buzz-saw" noise propagation under nonuniform axial and radial flows. AIP Advances, 2020, 10, .	1.3	3
42	A Survey of Weight Vector Adjustment Methods for Decomposition-Based Multiobjective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2020, 24, 634-649.	10.0	104
43	Testing and Comparison of Levitation Forces and Rotational Friction in Different Superconducting Tape Stacks. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3035-3041.	1.8	2
44	Numerical modeling of submicron particles for acoustic concentration in gaseous flow. Journal of the Acoustical Society of America, 2020, 147, 152-160.	1.1	0
45	Effect of Dynamic Resistance on AC loss in Stacked superconducting tapes. IEEE Transactions on Applied Superconductivity, 2020, , 1-1.	1.7	5
46	A Dual-Bridge DC/DC Converter Using Extended PWM and Phase-shift Control. , 2020, , .		0
47	On Spatial-Aware Community Search. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 783-798.	5.7	47
48	User-preference based decomposition in MOEA/D without using an ideal point. Swarm and Evolutionary Computation, 2019, 44, 597-611.	8.1	36
49	Anisotropic source modelling for turbulent jet noise prediction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190075.	3.4	3
50	Improving Algorithm Response to Preference Changes in Multiobjective Optimisation Using Archives. , 2019, , .		0
51	Decomposition for Large-scale Optimization Problems with Overlapping Components. , 2019, , .		50
52	An improved merge search algorithm for the constrained pit problem in open-pit mining. , 2019, , .		2
53	A novel scalable test problem suite for multimodal multiobjective optimization. Swarm and Evolutionary Computation, 2019, 48, 62-71.	8.1	103
54	Challenging AI. , 2019, , .		10

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55	Multi-objective optimization for designing of high-speed train cabin ventilation system using particle swarm optimization and multi-fidelity Kriging. Building and Environment, 2019, 155, 161-174.	6.9	33
56	Experiments and Simulation of Electromagnetic Properties in an HTS Knitted Tape Stack. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	1
57	Comprehensive study of fast load modulation with volt–second balance in a dual–active–bridge converter. IET Power Electronics, 2019, 12, 1357-1367.	2.1	17
58	An unbalanced PWM control strategy for the full-bridge series resonant converter. , 2019, , .		2
59	A Survey on Cooperative Co-Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2019, 23, 421-441.	10.0	177
60	Iterated feature selection algorithms with layered recurrent neural network for software fault prediction. Expert Systems With Applications, 2019, 122, 27-42.	7.6	114
61	Bandit-based cooperative coevolution for tackling contribution imbalance in large-scale optimization problems. Applied Soft Computing Journal, 2019, 76, 265-281.	7.2	18
62	Swarm Intelligence. Profiles in Operations Research, 2019, , 353-384.	0.4	17
63	Operation of a Bidirectional Series-Resonant Converter With Minimized Tank Current and Wide ZVS Range. IEEE Transactions on Power Electronics, 2019, 34, 904-915.	7.9	61
64	NSGA-II for Solving Multiobjective Integer Minimum Cost Flow Problem with Probabilistic Tree-Based Representation. Lecture Notes in Computer Science, 2019, , 541-552.	1.3	2
65	Measuring player skill using dynamic difficulty adjustment. , 2018, , .		7
66	Enhancing robustness of the inverted PBI scalarizing method in MOEA/D. Applied Soft Computing Journal, 2018, 71, 1117-1132.	7.2	6
67	GABAergic Local Interneurons Shape Female Fruit Fly Response to Mating Songs. Journal of Neuroscience, 2018, 38, 4329-4347.	3.6	31
68	A two phase hybrid algorithm with a new decomposition method for large scale optimization. Integrated Computer-Aided Engineering, 2018, 25, 349-367.	4.6	23
69	A Dynamic Neighborhood Learning-Based Gravitational Search Algorithm. IEEE Transactions on Cybernetics, 2018, 48, 436-447.	9.5	75
70	A Bi-Level Optimization Model for Grouping Constrained Storage Location Assignment Problems. IEEE Transactions on Cybernetics, 2018, 48, 385-398.	9.5	21
71	Cooperative Coevolution with Formula-Based Variable Grouping for Large-Scale Global Optimization. Evolutionary Computation, 2018, 26, 569-596.	3.0	37
72	Performance Evaluation of a Semi-Dual-Active-Bridge with PPWM Plus SPS Control. Electronics (Switzerland), 2018, 7, 184.	3.1	5

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73	A Piecewise Control Strategy for a Bidirectional Series Resonant Converter. Electronics (Switzerland), 2018, 7, 374.	3.1	4
74	Improved Step Load Response of a Dual-Active-Bridge DC–DC Converter. Electronics (Switzerland), 2018, 7, 185.	3.1	7
75	Improved Load Transient Response of a Dual-Active-Bridge Converter. , 2018, , .		8
76	Instantaneous Current Balance Modulation for Fast Transient Response in a Dual-Active-Bridge Converter. , 2018, , .		4
77	A merge search algorithm and its application to the constrained pit problem in mining. , 2018, , .		5
78	Cooperative co-evolution with online optimizer selection for large-scale optimization. , 2018, , .		9
79	Transient current control for a step load change in a dual‐active‐bridge converter. Electronics Letters, 2018, 54, 1290-1292.	1.0	12
80	Adaptive threshold parameter estimation with recursive differential grouping for problem decomposition. , 2018, , .		39
81	Conditional Preference Learning for Personalized and Context-Aware Journey Planning. Lecture Notes in Computer Science, 2018, , 451-463.	1.3	0
82	Auditory experience controls the maturation of song discrimination and sexual response in Drosophila. ELife, 2018, 7, .	6.0	36
83	Binary dragonfly optimization for feature selection using time-varying transfer functions. Knowledge-Based Systems, 2018, 161, 185-204.	7.1	318
84	Interactive multiobjective optimisation. , 2018, , .		2
85	Fast Transient Modulation for a Step Load Change in a Dual-Active-Bridge Converter with Extended-Phase-Shift Control. Energies, 2018, 11, 1569.	3.1	11
86	Multi-objective journey planning under uncertainty. , 2018, , .		2
87	A Probabilistic Tree-Based Representation for Non-convex Minimum Cost Flow Problems. Lecture Notes in Computer Science, 2018, , 69-81.	1.3	2
88	On decomposition methods in interactive user-preference based optimization. Applied Soft Computing Journal, 2017, 52, 952-973.	7.2	33
89	Extending the Delaunay Triangulation Based Density Measurement to Many-Objective Optimization. Lecture Notes in Computer Science, 2017, , 3-11.	1.3	0
90	Surrogate-Assisted Multi-swarm Particle Swarm Optimization of Morphing Airfoils. Lecture Notes in Computer Science, 2017, , 124-133.	1.3	2

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91	Estimating Passenger Preferences Using Implicit Relevance Feedback for Personalized Journey Planning. Lecture Notes in Computer Science, 2017, , 157-168.	1.3	2
92	DG2: A Faster and More Accurate Differential Grouping for Large-Scale Black-Box Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 929-942.	10.0	241
93	A backtracking search hyper-heuristic for the distributed assembly flow-shop scheduling problem. Swarm and Evolutionary Computation, 2017, 36, 124-135.	8.1	116
94	Multi-objective optimization of HVAC system using NSPSO and Kriging algorithms—A case study. Building Simulation, 2017, 10, 769-781.	5.6	16
95	A time-varying transfer function for balancing the exploration and exploitation ability of a binary PSO. Applied Soft Computing Journal, 2017, 59, 182-196.	7.2	72
96	Efficient Resource Allocation in Cooperative Co-Evolution for Large-Scale Global Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 493-505.	10.0	92
97	Performance Evaluation of a Semi-Dual-Bridge Resonant DC/DC Converter With Secondary Phase-Shifted Control. IEEE Transactions on Power Electronics, 2017, 32, 7727-7738.	7.9	14
98	Seeking Multiple Solutions: An Updated Survey on Niching Methods and Their Applications. IEEE Transactions on Evolutionary Computation, 2017, 21, 518-538.	10.0	210
99	A comparative study of phase-shift control schemes in a bidirectional series resonant converter. , 2017, , .		1
100	Evolutionary large-scale global optimization. , 2017, , .		8
101	ANTS 2016 special issue: Editorial. Swarm Intelligence, 2017, 11, 181-183.	2.2	0
102	Differential Evolution Based Hyper-heuristic for the Flexible Job-Shop Scheduling Problem with Fuzzy Processing Time. Lecture Notes in Computer Science, 2017, , 75-86.	1.3	3
103	Multimodal truss structure design using bilevel and niching based evolutionary algorithms. , 2017, , .		8
104	A Scalable Approach to Capacitated Arc Routing Problems Based on Hierarchical Decomposition. IEEE Transactions on Cybernetics, 2017, 47, 3928-3940.	9.5	43
105	Reservoir flood control operation using multi-objective evolutionary algorithm with decomposition and preferences. Applied Soft Computing Journal, 2017, 50, 21-33.	7.2	21
106	Monte Carlo tree search based algorithms for dynamic difficulty adjustment. , 2017, , .		40
107	Multi-objective search-based approach to estimate issue resolution time. , 2017, , .		7
108	Fast transient control for power adjustment in a dual-active-bridge converter. Electronics Letters, 2017, 53, 1130-1132.	1.0	34

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109	The steady-state operation map of a semi-dual-active-bridge converter. , 2017, , .		5
110	A dual-asymmetric PWM control strategy for full bridge DC-DC converters. , 2017, , .		1
111	Steady-state analysis of a series resonant converter with modified PWM control. , 2017, , .		8
112	A novel control strategy based on modified gating scheme for a dual-active-bridge converter. , 2017, , .		4
113	Asymmetricâ€doubleâ€sided modulation for fast load transition in a semiâ€dualâ€activeâ€bridge converter. IET Power Electronics, 2017, 10, 1698-1704.	2.1	12
114	An Evolutionary Multi-criteria Journey Planning Algorithm for Multimodal Transportation Networks. Lecture Notes in Computer Science, 2017, , 144-156.	1.3	5
115	A Study on Pre-training Deep Neural Networks Using Particle Swarm Optimisation. Lecture Notes in Computer Science, 2017, , 361-372.	1.3	5
116	Visualizing the Search Dynamics in a High-Dimensional Space for a Particle Swarm Optimizer. Lecture Notes in Computer Science, 2017, , 994-1002.	1.3	4
117	An Evolutionary Approach for Learning Conditional Preference Networks from Inconsistent Examples. Lecture Notes in Computer Science, 2017, , 502-515.	1.3	1
118	Preliminary Study on Solving Coal Processing and Blending Problems Using Lexicographic Ordering. Lecture Notes in Computer Science, 2017, , 221-233.	1.3	1
119	On investigation of interdependence between sub-problems of the Travelling Thief Problem. Soft Computing, 2016, 20, 157-172.	3.6	44
120	A Competitive Divide-and-Conquer Algorithm for Unconstrained Large-Scale Black-Box Optimization. ACM Transactions on Mathematical Software, 2016, 42, 1-24.	2.9	172
121	Benchmarks for the Coal Processing and Blending Problem. , 2016, , .		6
122	DMMOGSA: Diversity-enhanced and memory-based multi-objective gravitational search algorithm. Information Sciences, 2016, 363, 52-71.	6.9	21
123	A new control strategy to reduce circulation current for a bidirectional resonant converter. , 2016, , .		6
124	Discontinuous-current mode operation of a semi-dual-bridge resonant converter. , 2016, , .		2
125	Utilising reinforcement learning to develop strategies for driving auditory neural implants. Journal of Neural Engineering, 2016, 13, 046027.	3.5	1
126	Cooperative coevolutionary differential evolution with improved augmented Lagrangian to solve constrained optimisation problems. Information Sciences, 2016, 369, 441-456.	6.9	35

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127	A Population-based Local Search Technique with Random Descent and Jump for the Steiner Tree Problem in Graphs. , 2016, , .		0
128	An Adaptive Training Framework for Increasing Player Proficiency in Games and Simulations. , 2016, , .		3
129	CBCC3 â€" A contribution-based cooperative co-evolutionary algorithm with improved exploration/exploitation balance. , 2016, , .		40
130	Efficient meta-heuristics for the Multi-Objective Time-Dependent Orienteering Problem. European Journal of Operational Research, 2016, 254, 443-457.	5.7	35
131	Self-adaptive multi-objective evolutionary algorithm based on decomposition for large-scale problems: A case study on reservoir flood control operation. Information Sciences, 2016, 367-368, 529-549.	6.9	39
132	Improving patient record search: A meta-data based approach. Information Processing and Management, 2016, 52, 258-272.	8.6	5
133	A Delaunay Triangulation Based Density Measurement for Evolutionary Multi-objective Optimization. Lecture Notes in Computer Science, 2016, , 183-192.	1.3	2
134	An Analysis of the Inertia Weight Parameter for Binary Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2016, 20, 666-681.	10.0	97
135	A Hybrid Imperialist Competitive Algorithm for the Flexible Job Shop Problem. Lecture Notes in Computer Science, 2016, , 221-233.	1.3	5
136	Sensitivity analysis of Penalty-based Boundary Intersection on aggregation-based EMO algorithms. , 2015, , .		12
137	An improved performance metric for multiobjective evolutionary algorithms with user preferences. , 2015, , .		9
138	Operation Modes of a Secondary-Side Phase-Shifted Resonant Converter. Energies, 2015, 8, 12314-12330.	3.1	7
139	Nature-Inspired Algorithms for Real-World Optimization Problems. Journal of Applied Mathematics, 2015, 2015, 1-2.	0.9	9
140	A sensitivity analysis of contribution-based cooperative co-evolutionary algorithms. , 2015, , .		20
141	Enhancing theme park experiences through adaptive cyber-physical play. , 2015, , .		4
142	A two-stage control scheme for a dual-bridge series resonant converter. , 2015, , .		7
143	Combining Monte Carlo tree search and apprenticeship learning for capture the flag. , 2015, , .		0
144	Designing benchmark problems for large-scale continuous optimization. Information Sciences, 2015, 316, 419-436.	6.9	104

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145	A Linearized Large Signal Model of an LCL-Type Resonant Converter. Energies, 2015, 8, 1848-1864.	3.1	5
146	Preference-Based Multiobjective Particle Swarm Optimization for Airfoil Design. , 2015, , 1311-1331.		3
147	Integrated Approach to Personalized Procedural Map Generation Using Evolutionary Algorithms. IEEE Transactions on Games, 2015, 7, 139-155.	1.4	10
148	A decomposition based memetic algorithm for multi-objective vehicle routing problem with time windows. Computers and Operations Research, 2015, 62, 61-77.	4.0	78
149	Heuristic evolution with genetic programming for traveling thief problem. , 2015, , .		19
150	A restricted neighbourhood Tabu Search for Storage Location Assignment Problem. , 2015, , .		3
151	Continuous-current mode operation of a semi-dual-bridge resonant converter. , 2015, , .		3
152	Player-Computer Interaction Features for Designing Digital Play Experiences across Six Degrees of Water Contact. , 2015, , .		18
153	Variable neighborhood decomposition for Large Scale Capacitated Arc Routing Problem. , 2014, , .		11
154	Decomposition and cooperative coevolution techniques for large scale global optimization. , 2014, , .		8
155	A Generalized Approach for the Steady-State Analysis of Dual-Bridge Resonant Converters. Energies, 2014, 7, 7915-7935.	3.1	5
156	A review of population initialization techniques for evolutionary algorithms. , 2014, , .		121
157	Reinforcement learning to control a commander for capture the flag. , 2014, , .		1
158	Cooperative Coevolution With Route Distance Grouping for Large-Scale Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2014, 18, 435-449.	10.0	105
159	Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms. , 2014, , .		43
160	A novel hybridization of opposition-based learning and cooperative co-evolutionary for large-scale optimization. , 2014, , .		14
161	Effects of population initialization on differential evolution for large scale optimization. , 2014, , .		29
162	Cooperative Co-Evolution With Differential Grouping for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2014, 18, 378-393.	10.0	616

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163	An analysis of the velocity updating rule of the particle swarm optimization algorithm. Journal of Heuristics, 2014, 20, 417-452.	1.4	51
164	Learning a Super Mario controller from examples of human play. , 2014, , .		10
165	Grid Connection Using a High-frequency Isolated DC/AC Module for Hybrid Power Systems. Electric Power Components and Systems, 2014, 42, 1334-1343.	1.8	1
166	A genetic programming-based hyper-heuristic approach for storage location assignment problem. , 2014, , .		18
167	An Optimized Phase-Shift Modulation For Fast Transient Response in a Dual-Active-Bridge Converter. IEEE Transactions on Power Electronics, 2014, 29, 2661-2665.	7.9	178
168	A Fixed-frequency Series-parallel Resonant Converter with Capacitive Output Filter: Analysis, Design, Simulation, and Experimental Results. Electric Power Components and Systems, 2014, 42, 746-754.	1.8	4
169	Integrating user preferences and decomposition methods for many-objective optimization. , 2014, , .		27
170	A Comparison Study of High-Frequency Isolated DC/AC Converter Employing an Unfolding LCI for Grid-Connected Alternative Energy Applications. IEEE Transactions on Power Electronics, 2014, 29, 3930-3941.	7.9	22
171	A LLC-Type Dual-Bridge Resonant Converter: Analysis, Design, Simulation, and Experimental Results. IEEE Transactions on Power Electronics, 2014, 29, 4313-4321.	7.9	37
172	A dynamic archive niching differential evolution algorithm for multimodal optimization. , 2013, , .		58
173	Initialization methods for large scale global optimization. , 2013, , .		37
174	A bidirectional dual-bridge high-frequency isolated resonant DC/DC converter. , 2013, , .		5
175	Particle Swarm Optimizer with Aging Operator for Multimodal Function Optimization. International Journal of Computational Intelligence Systems, 2013, 6, 862-880.	2.7	7
176	Decomposing Large-Scale Capacitated Arc Routing Problems using a random route grouping method. , 2013, , .		14
177	Differential evolution on the CEC-2013 single-objective continuous optimization testbed. , 2013, , .		27
178	Neuroevolution of content layout in the PCG: Angry bots video game. , 2013, , .		9
179	Time series forecasting by evolving artificial neural networks with genetic algorithms, differential evolution and estimation of distribution algorithm. Neural Computing and Applications, 2013, 22, 11-20.	5.6	117
180	Modeling of a fixed-frequency resonant LLC DC/DC converter with capacitive output filter. , 2013, , .		2

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181	A new performance metric for user-preference based multi-objective evolutionary algorithms. , 2013, , .		43
182	Investigation of self-adaptive differential evolution on the CEC-2013 real-parameter single-objective optimization testbed. , 2013, , .		7
183	Selected Papers from the Ninth International Conference on Computational Intelligence and Security. Scientific World Journal, The, 2013, 2013, 1-2.	2.1	0
184	A survey of procedural terrain generation techniques using evolutionary algorithms. , 2012, , .		9
185	Reference point based multi-objective optimization through decomposition. , 2012, , .		33
186	Steady-state analysis of a dual-bridge LLC inverter. , 2012, , .		0
187	A comprehensive preference-based optimization framework with application to high-lift aerodynamic design. Engineering Optimization, 2012, 44, 1209-1227.	2.6	15
188	A Utility-Interfaced Phase-Modulated High-Frequency Isolated Dual LCL DC/AC Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 1008-1019.	7.9	45
189	A new discrete electromagnetism-based meta-heuristic for solving the multidimensional knapsack problem using genetic operators. Operational Research, 2012, 12, 229-252.	2.0	8
190	Cooperatively Coevolving Particle Swarms for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2012, 16, 210-224.	10.0	578
191	A general study of soft-switching ranges of dual-bridge resonant converters using a modified complex AC analysis approach. , 2011, , .		12
192	Swarm Heuristic for Identifying Preferred Solutions in Surrogate-Based Multi-Objective Engineering Design. AIAA Journal, 2011, 49, 1437-1449.	2.6	11
193	Evolving patch-based terrains for use in video games. , 2011, , .		10
194	Guest Editorial: special issue on evolutionary optimisation and learning. Soft Computing, 2011, 15, 1671-1673.	3.6	0
195	A framework for generating tunable test functions for multimodal optimization. Soft Computing, 2011, 15, 1689-1706.	3.6	90
196	Improving the performance and scalability of Differential Evolution on problems exhibiting parameter interactions. Soft Computing, 2011, 15, 1769-1792.	3.6	7
197	Smart use of computational resources based on contribution for cooperative co-evolutionary algorithms. , 2011, , .		81
198	A dynamic neighbourhood particle swarm optimisation algorithm for constrained optimisation. , 2011, , .		0

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199	Atavistic Strategy for Genetic Algorithm. Lecture Notes in Computer Science, 2011, , 497-505.	1.3	1
200	Analysis and Design of High-Frequency Isolated Dual-Bridge Series Resonant DC/DC Converter. IEEE Transactions on Power Electronics, 2010, 25, 850-862.	7.9	410
201	Niching Without Niching Parameters: Particle Swarm Optimization Using a Ring Topology. IEEE Transactions on Evolutionary Computation, 2010, 14, 150-169.	10.0	317
202	Erratum to "Niching Without Niching Parameters: Particle Swarm Optimization Using a Ring Topology"[Feb 10 150-169. IEEE Transactions on Evolutionary Computation, 2010, 14, 665-665.	10.0	188
203	Designing airfoils using a reference point based evolutionary many-objective particle swarm optimization algorithm. , 2010, , .		42
204	Cooperative Co-evolution for large scale optimization through more frequent random grouping. , 2010, , .		154
205	Cooperative Co-evolution with delta grouping for large scale non-separable function optimization. , 2010, , .		184
206	Time series forecasting by evolving artificial neural networks using genetic algorithms and differential evolution. , 2010, , .		16
207	Comparing lbest PSO niching algorithms using different position update rules. , 2010, , .		14
208	A Comparative Study of CMA-ES on Large Scale Global Optimisation. Lecture Notes in Computer Science, 2010, , 303-312.	1.3	14
209	Tackling high dimensional nonseparable optimization problems by cooperatively coevolving particle swarms. , 2009, , .		87
210	A Distance Metric for Evolutionary Many-Objective Optimization Algorithms Using User-Preferences. Lecture Notes in Computer Science, 2009, , 443-453.	1.3	10
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