

Leandro Dos S Coelho

List of Publications by Year in descending order

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Version: 2024-02-01

419
papers

14,674
citations

22099

59
h-index

29081

104
g-index

425
all docs

425
docs citations

425
times ranked

10463
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaotic Coyote Optimization Algorithm. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2807-2827.	3.3	11
2	Improved multiobjective differential evolution with spherical pruning algorithm for optimizing 3D printing technology parametrization process. Annals of Operations Research, 2022, 319, 1565-1587.	2.6	3
3	Extreme gradient boosting model based on improved Jaya optimizer applied to forecasting energy consumption in residential buildings. Evolving Systems, 2022, 13, 577-588.	2.4	20
4	Time series forecasting using ensemble learning methods for emergency prevention in hydroelectric power plants with dam. Electric Power Systems Research, 2022, 202, 107584.	2.1	50
5	Ensemble Learning Models Coupled with Urban Mobility Information Applied to Predict COVID-19 Incidence Cases. Studies in Systems, Decision and Control, 2022, , 821-858.	0.8	2
6	Efficient bootstrap stacking ensemble learning model applied to wind power generation forecasting. International Journal of Electrical Power and Energy Systems, 2022, 136, 107712.	3.3	70
7	Tuning of control parameters of the Whale Optimization Algorithm using fuzzy inference system. Journal of Intelligent and Fuzzy Systems, 2022, 42, 3051-3066.	0.8	4
8	Discrete differential evolution metaheuristics for permutation flow shop scheduling problems. Computers and Industrial Engineering, 2022, 166, 107956.	3.4	22
9	Blending Colored and Depth CNN Pipelines in an Ensemble Learning Classification Approach for Warehouse Application Using Synthetic and Real Data. Machines, 2022, 10, 28.	1.2	4
10	Maximizing the thermal performance index applying evolutionary multi-objective optimization approaches for double pipe heat exchanger. Applied Thermal Engineering, 2022, 211, 118504.	3.0	9
11	A novel decomposition-ensemble learning framework for multi-step ahead wind energy forecasting. Energy, 2021, 216, 119174.	4.5	99
12	Hybrid multi-stage decomposition with parametric model applied to wind speed forecasting in Brazilian Northeast. Renewable Energy, 2021, 164, 1508-1526.	4.3	49
13	Multi-objective lightning search algorithm applied to wind farm layout optimization. Energy, 2021, 216, 119214.	4.5	37
14	Chaotic coyote algorithm applied to truss optimization problems. Computers and Structures, 2021, 242, 106353.	2.4	63
15	Multi-objective adaptive differential evolution for SVM/SVR hyperparameters selection. Pattern Recognition, 2021, 110, 107649.	5.1	51
16	Multiband Patch Antenna Design Using Nature-Inspired Optimization Method. IEEE Open Journal of Antennas and Propagation, 2021, 2, 151-162.	2.5	32
17	Self-adaptive differential evolution applied to combustion engine calibration. Soft Computing, 2021, 25, 109-135.	2.1	10
18	Multiobjective Ant Lion Approaches Applied to Electromagnetic Device Optimization. Technologies, 2021, 9, 35.	3.0	5

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19	Chaotic Jaya Approaches to Solving Electromagnetic Optimization Benchmark Problems. <i>Telecom</i> , 2021, 2, 222-231.	1.6	6
20	Forecasting COVID-19 pandemic using an echo state neural network-based framework. , 2021, , .		0
21	Seasonal-trend and multiobjective ensemble learning model for water consumption forecasting. , 2021, , .		1
22	Novel hybrid model based on echo state neural network applied to the prediction of stock price return volatility. <i>Expert Systems With Applications</i> , 2021, 184, 115490.	4.4	40
23	Multiobjective optimization design procedures for data-driven unmanned aerial vehicles automatic target recognition systems. , 2021, , 231-256.		2
24	Hybrid Wavelet Stacking Ensemble Model for Insulators Contamination Forecasting. <i>IEEE Access</i> , 2021, 9, 66387-66397.	2.6	44
25	Nature inspired optimization tools for SVMs - NIOTS. <i>MethodsX</i> , 2021, 8, 101574.	0.7	3
26	Space and Time Efficiency Analysis of Data-Driven Methods Applied to Embedded Systems. , 2021, , .		0
27	Ensemble approach based on bagging, boosting and stacking for short-term prediction in agribusiness time series. <i>Applied Soft Computing Journal</i> , 2020, 86, 105837.	4.1	273
28	Nonlinear black-box system identification through coevolutionary algorithms and radial basis function artificial neural networks. <i>Applied Soft Computing Journal</i> , 2020, 87, 105990.	4.1	28
29	Multi-step ahead Bitcoin Price Forecasting Based on VMD and Ensemble Learning Methods. , 2020, , .		10
30	Multi-step ahead meningitis case forecasting based on decomposition and multi-objective optimization methods. <i>Journal of Biomedical Informatics</i> , 2020, 111, 103575.	2.5	27
31	Experimental analysis of R410A flow in helically rib-roughened tubes. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100668.	1.3	3
32	Electricity energy price forecasting based on hybrid multi-stage heterogeneous ensemble: Brazilian commercial and residential cases. , 2020, , .		2
33	Unified Multi-Domain Learning and Data Imputation using Adversarial Autoencoder. , 2020, , .		2
34	Meta-heuristic inspired by the behavior of the humpback whale tuned by a fuzzy inference system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 7993-8000.	0.8	1
35	Electricity Price Forecasting Based on Self-Adaptive Decomposition and Heterogeneous Ensemble Learning. <i>Energies</i> , 2020, 13, 5190.	1.6	51
36	Solar Power Forecasting Based on Ensemble Learning Methods. , 2020, , .		9

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37	Bayesian Optimized Echo State Network Applied to Short-Term Load Forecasting. <i>Energies</i> , 2020, 13, 2390.	1.6	25
38	Optimization of drop ejection frequency in EHD inkjet printing system using an improved Firefly Algorithm. <i>Applied Soft Computing Journal</i> , 2020, 94, 106438.	4.1	25
39	Binary coyote optimization algorithm for feature selection. <i>Pattern Recognition</i> , 2020, 107, 107470.	5.1	58
40	An R library for nonlinear black-box system identification. <i>SoftwareX</i> , 2020, 11, 100495.	1.2	6
41	Piezoelectric micromanipulator dataset for hysteresis identification. <i>Data in Brief</i> , 2020, 29, 105175.	0.5	3
42	Forecasting Brazilian and American COVID-19 cases based on artificial intelligence coupled with climatic exogenous variables. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110027.	2.5	87
43	Wavelet group method of data handling for fault prediction in electrical power insulators. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 123, 106269.	3.3	63
44	Integrative numerical modeling and thermodynamic optimal design of counter-flow plate-fin heat exchanger applying neural networks. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120097.	2.5	25
45	Electrical Insulator Fault Forecasting Based on a Wavelet Neuro-Fuzzy System. <i>Energies</i> , 2020, 13, 484.	1.6	45
46	Short-term forecasting COVID-19 cumulative confirmed cases: Perspectives for Brazil. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109853.	2.5	339
47	Multi-step wind speed forecasting based on hybrid multi-stage decomposition model and long short-term memory neural network. <i>Energy Conversion and Management</i> , 2020, 213, 112869.	4.4	92
48	MOBOpt " multi-objective Bayesian optimization. <i>SoftwareX</i> , 2020, 12, 100520.	1.2	30
49	Efficient Hardware Implementation of Nonlinear Moving-horizon State Estimation with Artificial Neural Networks. <i>IFAC-PapersOnLine</i> , 2020, 53, 7813-7818.	0.5	0
50	Wind turbines anomaly detection based on power curves and ensemble learning. <i>IET Renewable Power Generation</i> , 2020, 14, 4086-4093.	1.7	25
51	Towards a Machine Learning Failure Prediction System Applied to a Smart Manufacturing Process. <i>IFIP Advances in Information and Communication Technology</i> , 2020, , 26-35.	0.5	0
52	Adversarial Autoencoder and Multi-Task Semi-Supervised Learning for Multi-stage Process. <i>Lecture Notes in Computer Science</i> , 2020, , 3-16.	1.0	0
53	Machine Learning Models Applied to Predictive Maintenance in Automotive Engine Components. , 2020, 64, .		5
54	Genetic Algorithm for Topology Optimization of an Artificial Neural Network Applied to Aircraft Turbojet Engine Identification. , 2019, , .		1

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55	Metaheuristic inspired on owls behavior applied to heat exchangers design. Thermal Science and Engineering Progress, 2019, 14, 100431.	1.3	35
56	Cultural coyote optimization algorithm applied to a heavy duty gas turbine operation. Energy Conversion and Management, 2019, 199, 111932.	4.4	73
57	Multi-Objective Ensemble Model for Short-Term Price Forecasting in Corn Price Time Series. , 2019, , .		22
58	Bio-Inspired Multiojective Tuning of PID-Controlled Antilock Braking Systems. , 2019, , .		1
59	Bio-inspired optimization algorithms for real underwater image restoration. Signal Processing: Image Communication, 2019, 77, 49-65.	1.8	27
60	Non-uniformly spaced linear antenna array design by means of PEEC approach applying Cheetah optimization algorithm. International Journal of Applied Electromagnetics and Mechanics, 2019, 60, S15-S24.	0.3	0
61	Enhanced ensemble structures using wavelet neural networks applied to short-term load forecasting. Engineering Applications of Artificial Intelligence, 2019, 82, 272-281.	4.3	115
62	Pressure prediction of a spark ignition single cylinder engine using optimized extreme learning machine models. Applied Energy, 2019, 249, 204-221.	5.1	55
63	Design of heat exchangers using Falcon Optimization Algorithm. Applied Thermal Engineering, 2019, 156, 119-144.	3.0	110
64	Predicting centre of mass horizontal speed in low to severe swimming intensities with linear and non-linear models. Journal of Sports Sciences, 2019, 37, 1512-1520.	1.0	3
65	Multiobjective Coyote Algorithm Applied to Electromagnetic Optimization. , 2019, , .		5
66	Machine Learning-Based Soft Sensors for the Estimation of Laundry Moisture Content in Household Dryer Appliances. Energies, 2019, 12, 3843.	1.6	9
67	A modified harmony search algorithm applied to capacitor placement of radial distribution networks considering voltage stability index. International Journal of Bio-Inspired Computation, 2019, 13, 189.	0.6	2
68	Tuning of Control Parameters of Grey Wolf Optimizer using Fuzzy Inference. IEEE Latin America Transactions, 2019, 17, 1191-1198.	1.2	7
69	A case study on environmental sustainability: A study of the trophic changes in fish species as a result of the damming of rivers through clustering analysis. Computers and Industrial Engineering, 2019, 135, 1239-1252.	3.4	2
70	Multi-objective optimization of the environmental-economic dispatch with reinforcement learning based on non-dominated sorting genetic algorithm. Applied Thermal Engineering, 2019, 146, 688-700.	3.0	103
71	Comparison of Different Classifiers for Automatic Target Recognition Systems. IEEE Latin America Transactions, 2018, 16, 13-18.	1.2	5
72	Modelling and Predicting Backstroke Start Performance Using Non-Linear And Linear Models. Journal of Human Kinetics, 2018, 61, 29-38.	0.7	5

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73	Design of spiral heat exchanger from economic and thermal point of view using a tuned wind-driven optimizer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	8
74	A novel multiobjective lognormal-beta differential evolution approach for the transformer design optimization. Engineering Computations, 2018, 35, 955-978.	0.7	7
75	Wind speed forecasting approach based on Singular Spectrum Analysis and Adaptive Neuro Fuzzy Inference System. Renewable Energy, 2018, 126, 736-754.	4.3	100
76	Coyote Optimization Algorithm: A New Metaheuristic for Global Optimization Problems. , 2018, , .		274
77	A V-Shaped Binary Crow Search Algorithm for Feature Selection. , 2018, , .		44
78	A Conceptual Model of a Stereo Vision System to Aid a Teleoperated Robot in Pruning Vegetation Close to Overhead Urban Power Lines. , 2018, , .		2
79	Electromagnetic Optimization Based on Gaussian Crow Search Approach. , 2018, , .		5
80	Ant Lion Approach Based on Lozi Map for Multiobjective Transformer Design Optimization. , 2018, , .		5
81	Agribusiness time series forecasting using Wavelet neural networks and metaheuristic optimization: An analysis of the soybean sack price and perishable products demand. International Journal of Production Economics, 2018, 203, 174-189.	5.1	37
82	Spiral inductor design based on fireworks optimization combined with free search. , 2018, , .		3
83	Multiobjective lightning search applied to Jiles-Atherton hysteresis model parameter estimation. , 2018, , .		1
84	Wind turbine blade geometry design based on multi-objective optimization using metaheuristics. Energy, 2018, 162, 645-658.	4.5	59
85	Earthworm optimisation algorithm: a bio-inspired metaheuristic algorithm for global optimisation problems. International Journal of Bio-Inspired Computation, 2018, 12, 1.	0.6	306
86	Modeling of a 2-DOF Piezoelectric Micromanipulator at High Frequency Rates through Nonlinear Black-box System Identification. , 2018, , .		4
87	Solving non-smooth economic dispatch by a new combination of continuous GRASP algorithm and differential evolution. International Journal of Electrical Power and Energy Systems, 2017, 84, 13-24.	3.3	83
88	Static force capability optimization of humanoids robots based on modified self-adaptive differential evolution. Computers and Operations Research, 2017, 84, 205-215.	2.4	14
89	Minimizing computational cost and energy demand of building lighting systems: A real time experiment using a modified competition over resources algorithm. Energy and Buildings, 2017, 139, 108-123.	3.1	18
90	Efficient hardware implementation of radial basis function neural network with customized-precision floating-point operations. Control Engineering Practice, 2017, 60, 124-132.	3.2	11

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91	Multiobjective Symbiotic Search Algorithm Approaches for Electromagnetic Optimization. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	14
92	Note: Experimental setup for measuring the barocaloric effect in polymers: Application to natural rubber. Review of Scientific Instruments, 2017, 88, 046103.	0.6	21
93	Image forgery detection by semi-automatic wavelet soft-Thresholding with error level analysis. Expert Systems With Applications, 2017, 85, 348-356.	4.4	33
94	Multi-objective optimization of the Stirling heat engine through self-adaptive Jaya algorithm. Journal of Renewable and Sustainable Energy, 2017, 9, .	0.8	14
95	Analysis of zero field and field cooled magnetization curves of CoFe ₂ O ₄ nanoparticles with a T-dependence on the saturation magnetization. Journal of Alloys and Compounds, 2017, 721, 525-530.	2.8	9
96	Thermodynamic optimization design for plate-fin heat exchangers by Tsallis JADE. International Journal of Thermal Sciences, 2017, 113, 136-144.	2.6	24
97	Fuzzy Inference System Approach Using Clustering and Differential Evolution Optimization Applied to Identification of a Twin Rotor System. IFAC-PapersOnLine, 2017, 50, 13102-13107.	0.5	6
98	Power system stability enhancement by designing optimal PSS employing backtracking search algorithm. , 2017, , .		19
99	A SVM optimization tool and FPGA system architecture applied to NMPC. , 2017, , .		3
100	Economic optimization design for shell-and-tube heat exchangers by a Tsallis differential evolution. Applied Thermal Engineering, 2017, 111, 143-151.	3.0	77
101	Multi-Objective Model Selection for Unmanned Aerial Vehicles Automatic Target Recognition Systems. IFAC-PapersOnLine, 2017, 50, 11607-11612.	0.5	3
102	Heuristic Kalman Algorithm for Multiobjective Optimization. * *This work has been partially supported by the National Council of Scientific and Technological Development of Brazil (CNPq) through the grants 303908/2015-7-PQ, 304066/2016-8-PQ and BJT-304804/2014-2. IFAC-PapersOnLine, 2017, 50, 4460-4465.	0.5	2
103	Diversity-guided generalized extremal optimization for transformer design problem. , 2017, , .		0
104	B-Spline neural network and chaotic harmony search applied to yo-yo motion system identification. , 2017, , .		0
105	Hygrothermal Dynamic and Mould Growth Risk Predictions for Concrete Tiles by Using Least Squares Support Vector Machines. Energies, 2017, 10, 1093.	1.6	12
106	Designing Lead-Lag PSS Employing Backtracking Search Algorithm to Improve Power System Damping. , 2017, , .		5
107	Model Based Predictive Control of Multivariable Hammerstein Processes with Fuzzy Logic Hypercube Interpolated Models. PLoS ONE, 2016, 11, e0163116.	1.1	1
108	Multi-hop Localization Method Based on Tribes Algorithm. Lecture Notes in Computer Science, 2016, , 156-170.	1.0	1

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109	RBF Neural Network combined with self-adaptive MODE and Genetic Algorithm to identify velocity profile of swimmers. , 2016, , .		5
110	A population-based simulated annealing algorithm for global optimization. , 2016, , .		26
111	MIMO filtered positional generalized predictive controller design for handling offset. , 2016, , .		0
112	Model free adaptive control under Sigmoid Function and newton method for estimation of the pseudo-partial-derivative in nonlinear systems. , 2016, , .		0
113	Repetitive generalized minimum variance controller design for reference tracking and periodic disturbance rejection. , 2016, , .		0
114	Multiobjective wind driven optimization approach applied to transformer design. , 2016, , .		5
115	Multi-objective symbiotic search algorithm approaches for electromagnetic optimization. , 2016, , .		2
116	Modified crow search approach applied to electromagnetic optimization. , 2016, , .		22
117	An enhanced bat algorithm approach for reducing electrical power consumption of air conditioning systems based on differential operator. Applied Thermal Engineering, 2016, 99, 834-840.	3.0	31
118	Generalized minimum variance control under long-range prediction horizon setups. ISA Transactions, 2016, 62, 325-332.	3.1	13
119	Multidisciplinary optimisation in mechatronic systems: a comparative analysis with multiobjective techniques. IEEE Latin America Transactions, 2016, 14, 364-370.	1.2	2
120	Demand forecasting based on natural computing approaches applied to the foodstuff retail segment. Journal of Retailing and Consumer Services, 2016, 31, 174-181.	5.3	20
121	Volumetric efficiency optimization of a single-cylinder D.I. diesel engine using differential evolution algorithm. Applied Thermal Engineering, 2016, 108, 660-669.	3.0	19
122	Nonlinear model predictive control hardware implementation with custom-precision floating point operations. , 2016, , .		10
123	Short-term load forecasting using wavenet ensemble approaches. , 2016, , .		9
124	A new metaheuristic optimisation algorithm motivated by elephant herding behaviour. International Journal of Bio-Inspired Computation, 2016, 8, 394.	0.6	251
125	Multiobjective cross entropy for electromagnetic optimization. , 2016, , .		0
126	Predicting building's corners hygrothermal behavior by using a Fuzzy inference system combined with clustering and Kalman filter. International Communications in Heat and Mass Transfer, 2016, 71, 225-233.	2.9	11

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127	Application of quantitative structure-property relationship analysis to estimate the vapor pressure of pesticides. <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 52-60.	2.9	10
128	Multi-objective grey wolf optimizer: A novel algorithm for multi-criterion optimization. <i>Expert Systems With Applications</i> , 2016, 47, 106-119.	4.4	1,080
129	Magnetocaloric effect of the ternary Dy, Ho and Er platinum gallides. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 1088-1092.	1.0	25
130	Cascaded evolutionary algorithm for nonlinear system identification based on correlation functions and radial basis functions neural networks. <i>Mechanical Systems and Signal Processing</i> , 2016, 68-69, 378-393.	4.4	40
131	Modified Social-Spider Optimization Algorithm Applied to Electromagnetic Optimization. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	1.2	38
132	Design of heat exchangers using a novel multiobjective free search differential evolution paradigm. <i>Applied Thermal Engineering</i> , 2016, 94, 170-177.	3.0	54
133	Multiobjective Krill Herd Algorithm for Electromagnetic Optimization. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	1.2	25
134	PIPIMC: Computational Tool for Teaching FOPDT Model Identification and PI-IMC Tuning. <i>IFAC-PapersOnLine</i> , 2015, 48, 70-75.	0.5	0
135	Harmony Search Approach Based on Ricker Map for Multi-Objective Transformer Design Optimization. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	13
136	Variable structure control optimized by differential evolution approach applied to continuous stirred tank reactor. <i>Chemical Engineering Research and Design</i> , 2015, 100, 248-260.	2.7	3
137	Multi-objective differential evolution algorithm for underwater image restoration. , 2015, , .		7
138	Design of robust PSS in multimachine power systems using backtracking search algorithm. , 2015, , .		24
139	Nonlinear Black-box System Identification through Neural Networks of a Hysteretic Piezoelectric Robotic Micromanipulator. <i>IFAC-PapersOnLine</i> , 2015, 48, 409-414.	0.5	13
140	Elephant Herding Optimization. , 2015, , .		400
141	A novel framework for optimization of a grid independent hybrid renewable energy system: A case study of Iran. <i>Solar Energy</i> , 2015, 112, 383-396.	2.9	168
142	Wavenet using artificial bee colony applied to modeling of truck engine powertrain components. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 41, 41-55.	4.3	12
143	Optimal allocation, sizing of PHEV parking lots in distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 67, 472-477.	3.3	72
144	Effect of hydrostatic pressure on martensitic transition, magnetic and magnetocaloric properties of Mn rich Mn-Ni-Sn Heusler alloy. , 2015, , .		0

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145	Using two improved particle swarm optimization variants for optimization of daily electrical power consumption in multi-chiller systems. Applied Thermal Engineering, 2015, 89, 640-646.	3.0	24
146	Multivariable system stabilization via discrete variable structure control. Control Engineering Practice, 2015, 40, 71-80.	3.2	2
147	Efficient Sampling of PI Controllers in Evolutionary Multiobjective Optimization. , 2015, , .		1
148	An improved free search differential evolution algorithm: A case study on parameters identification of one diode equivalent circuit of a solar cell module. Energy, 2015, 93, 1515-1522.	4.5	64
149	Determination of photovoltaic modules parameters at different operating conditions using a novel bird mating optimizer approach. Energy Conversion and Management, 2015, 89, 608-614.	4.4	136
150	Image thresholding segmentation based on a novel beta differential evolution approach. Expert Systems With Applications, 2015, 42, 2136-2142.	4.4	89
151	Capacitor placement of distribution systems using particle swarm optimization approaches. International Journal of Electrical Power and Energy Systems, 2015, 64, 839-851.	3.3	88
152	Earthworm optimization algorithm: a bio-inspired metaheuristic algorithm for global optimization problems. International Journal of Bio-Inspired Computation, 2015, 1, 1.	0.6	122
153	QUANTUM INSPIRED PARTICLE SWARM COMBINED WITH LIN-KERNIGHAN-HELSGAUN METHOD TO THE TRAVELING SALESMAN PROBLEM. Pesquisa Operacional, 2015, 35, 465-488.	0.1	5
154	OtimizaÃ§Ã£o da Capacidade de ForÃ§a EstÃ¡tica de RobÃ´s Humanoides Usando MetaheurÃsticas Bio-Inspiradas. , 2015, , .		1
155	Performance Improvement in the Pattern Classification of Nominal Data Sets Applying Multiple Correspondence Analysis. Applied Mechanics and Materials, 2014, 670-671, 1482-1487.	0.2	0
156	On the Improvement of Elite Swimmers Velocity Identification by Using Neural Network Associated to Multiobjective Optimization. , 2014, , .		0
157	A Zaslavskii firefly approach applied to Loney's solenoid benchmark. , 2014, , .		0
158	A Wind Driven Approach Using LÃ©vy Flights for Global Continuous Optimization. , 2014, , .		1
159	Bat-inspired optimization approach applied to jiles-atherton hysteresis parameters tuning. , 2014, , .		1
160	Cascaded free search differential evolution applied to nonlinear system identification based on correlation functions and neural networks. , 2014, , .		3
161	Competing anisotropies on 3d sub-lattice of YNi4â€xCoxB compounds. Journal of Applied Physics, 2014, 116, 063907.	1.1	5
162	Magnetizer Design Based on a Quasi-Oppositional Gravitational Search Algorithm. IEEE Transactions on Magnetics, 2014, 50, 705-708.	1.2	13

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163	Discrete smith predictor design and performance improvement of PID tuning. , 2014, , .		1
164	Improved multiobjective particle swarm optimization for designing PID controllers applied to robotic manipulator. , 2014, , .		4
165	A modified lambda algorithm for optimization in electromagnetics. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 759-767.	0.5	1
166	Cascaded evolutionary multiobjective identification based on correlation function statistical tests for improving velocity analyzes in swimming. , 2014, , .		0
167	Hardware opposition-based PSO applied to mobile robot controllers. Engineering Applications of Artificial Intelligence, 2014, 28, 64-77.	4.3	19
168	Differential evolution based on truncated Lévy-type flights and population diversity measure to solve economic load dispatch problems. International Journal of Electrical Power and Energy Systems, 2014, 57, 178-188.	3.3	61
169	A self-adaptive chaotic differential evolution algorithm using gamma distribution for unconstrained global optimization. Applied Mathematics and Computation, 2014, 234, 452-459.	1.4	59
170	Multiobjective Optimization of Transformer Design Using a Chaotic Evolutionary Approach. IEEE Transactions on Magnetics, 2014, 50, 669-672.	1.2	29
171	A genetic programming approach based on Lévy flight applied to nonlinear identification of a poppet valve. Applied Mathematical Modelling, 2014, 38, 1729-1736.	2.2	15
172	Room Temperature Multiferroic Behavior in $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ Ceramics. Ferroelectrics, 2014, 470, 221-226.	0.3	7
173	Steady-State Tracking Properties for the Generalized Minimum Variance Controller: A Review, Proportional-Integral-Derivative Tuning, and Applications. Industrial & Engineering Chemistry Research, 2014, 53, 1470-1477.	1.8	6
174	Magnetic and structural investigations on $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ nanostructured manganite: Evidence of a ferrimagnetic shell. Journal of Solid State Chemistry, 2014, 219, 87-92.	1.4	21
175	Firefly as a novel swarm intelligence variable selection method in spectroscopy. Analytica Chimica Acta, 2014, 852, 20-27.	2.6	34
176	Binary optimization using hybrid particle swarm optimization and gravitational search algorithm. Neural Computing and Applications, 2014, 25, 1423-1435.	3.2	163
177	A modified gravitational search algorithm for continuous optimization. , 2014, , .		0
178	Optimal chiller loading for energy conservation using a new differential cuckoo search approach. Energy, 2014, 75, 237-243.	4.5	89
179	A backtracking search algorithm combined with Burger's chaotic map for parameter estimation of PEMFC electrochemical model. International Journal of Hydrogen Energy, 2014, 39, 11165-11174.	3.8	85
180	Multiobjective Cuckoo Search Applied to Radial Basis Function Neural Networks Training for System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2539-2544.	0.4	7

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181	A Differential Beta Quantum-behaved Particle Swarm Optimization for Circular Antenna Array Design. , 2014, , .		0
182	Enhanced Flower Pollination Approach Applied to Electromagnetic Optimization. , 2014, , .		0
183	Structurally tuned multiferroic state in BiFeO ₃ -based compounds. Applied Physics A: Materials Science and Processing, 2013, 111, 563-567.	1.1	10
184	Multiobjective scatter search approach with new combination scheme applied to solve environmental/economic dispatch problem. Energy, 2013, 53, 14-21.	4.5	56
185	A Multiobjective Firefly Approach Using Beta Probability Distribution for Electromagnetic Optimization Problems. IEEE Transactions on Magnetics, 2013, 49, 2085-2088.	1.2	15
186	Novel Gamma Differential Evolution Approach for Multiobjective Transformer Design Optimization. IEEE Transactions on Magnetics, 2013, 49, 2121-2124.	1.2	35
187	Hardware-based parallel firefly algorithm for embedded applications. , 2013, , .		5
188	Population's variance-based Adaptive Differential Evolution for real parameter optimization. , 2013, , .		21
189	Swim velocity profile identification by using a modified differential evolution method associated with RBF Neural Network. , 2013, , .		4
190	Magnetostriction of Fe _{100-x} V _x alloys for 5.2 \times 10 ⁻⁴ to 40.7. Journal of Alloys and Compounds, 2013, 553, 233-238.		11
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