Leandro Dos S Coelho

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10,280 364 90 53 h-index g-index citations papers 12,380 7.29 425 4.3 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
364	Multi-objective grey wolf optimizer: A novel algorithm for multi-criterion optimization. <i>Expert Systems With Applications</i> , 2016 , 47, 106-119	7.8	647
363	Combining of chaotic differential evolution and quadratic programming for economic dispatch optimization with valve-point effect. <i>IEEE Transactions on Power Systems</i> , 2006 , 21, 989-996	7	373
362	Gaussian quantum-behaved particle swarm optimization approaches for constrained engineering design problems. <i>Expert Systems With Applications</i> , 2010 , 37, 1676-1683	7.8	292
361	Elephant Herding Optimization 2015,		262
360	Coevolutionary particle swarm optimization using Gaussian distribution for solving constrained optimization problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 1407-16		232
359	Short-term forecasting COVID-19 cumulative confirmed cases: Perspectives for Brazil. <i>Chaos, Solitons and Fractals,</i> 2020 , 135, 109853	9.3	223
358	A new metaheuristic optimisation algorithm motivated by elephant herding behaviour. <i>International Journal of Bio-Inspired Computation</i> , 2016 , 8, 394	2.9	194
357	Earthworm optimisation algorithm: a bio-inspired metaheuristic algorithm for global optimisation problems. <i>International Journal of Bio-Inspired Computation</i> , 2018 , 12, 1	2.9	184
356	Coyote Optimization Algorithm: A New Metaheuristic for Global Optimization Problems 2018,		166
355	Solving economic load dispatch problems in power systems using chaotic and Gaussian particle swarm optimization approaches. <i>International Journal of Electrical Power and Energy Systems</i> , 2008 , 30, 297-307	5.1	164
354	Use of chaotic sequences in a biologically inspired algorithm for engineering design optimization. <i>Expert Systems With Applications</i> , 2008 , 34, 1905-1913	7.8	159
353	An efficient particle swarm approach for mixed-integer programming in reliabilityEedundancy optimization applications. <i>Reliability Engineering and System Safety</i> , 2009 , 94, 830-837	6.3	151
352	A quantum particle swarm optimizer with chaotic mutation operator. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 1409-1418	9.3	150
351	An improved harmony search algorithm for power economic load dispatch. <i>Energy Conversion and Management</i> , 2009 , 50, 2522-2526	10.6	145
350	Tuning of PID controller based on a multiobjective genetic algorithm applied to a robotic manipulator. <i>Expert Systems With Applications</i> , 2012 , 39, 8968-8974	7.8	139
349	Binary optimization using hybrid particle swarm optimization and gravitational search algorithm. <i>Neural Computing and Applications</i> , 2014 , 25, 1423-1435	4.8	127
348	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	6.8	123

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347	Bat-Inspired Optimization Approach for the Brushless DC Wheel Motor Problem. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 947-950	2	122
346	Anisotropic superconducting properties of aligned MgB(2) crystallites. <i>Physical Review Letters</i> , 2001 , 86, 5974-7	7.4	121
345	Determination of photovoltaic modules parameters at different operating conditions using a novel bird mating optimizer approach. <i>Energy Conversion and Management</i> , 2015 , 89, 608-614	10.6	117
344	Improved firefly algorithm approach applied to chiller loading for energy conservation. <i>Energy and Buildings</i> , 2013 , 59, 273-278	7	117
343	A novel chaotic particle swarm optimization approach using HBon map and implicit filtering local search for economic load dispatch. <i>Chaos, Solitons and Fractals,</i> 2009 , 39, 510-518	9.3	115
342	Particle swarm approach based on quantum mechanics and harmonic oscillator potential well for economic load dispatch with valve-point effects. <i>Energy Conversion and Management</i> , 2008 , 49, 3080-30	85°.6	113
341	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	7.5	106
340	Tuning of PID controller for an automatic regulator voltage system using chaotic optimization approach. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 1504-1514	9.3	103
339	Apparent thermal diffusivity estimation of the banana during drying using inverse method. <i>Journal of Food Engineering</i> , 2008 , 85, 569-579	6	102
338	Earthworm optimization algorithm: a bio-inspired metaheuristic algorithm for global optimization problems. <i>International Journal of Bio-Inspired Computation</i> , 2015 , 1, 1	2.9	102
337	Improved differential evolution approach based on cultural algorithm and diversity measure applied to solve economic load dispatch problems. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3136-3147	3.3	97
336	An efficient cultural self-organizing migrating strategy for economic dispatch optimization with valve-point effect. <i>Energy Conversion and Management</i> , 2010 , 51, 2580-2587	10.6	97
335	Design of heat exchangers using Falcon Optimization Algorithm. <i>Applied Thermal Engineering</i> , 2019 , 156, 119-144	5.8	83
334	Gaussian Artificial Bee Colony Algorithm Approach Applied to Loney's Solenoid Benchmark Problem. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1326-1329	2	81
333	Improved differential evolution algorithms for handling economic dispatch optimization with generator constraints. <i>Energy Conversion and Management</i> , 2007 , 48, 1631-1639	10.6	81
332	Firefly algorithm approach based on chaotic Tinkerbell map applied to multivariable PID controller tuning. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 2371-2382	2.7	80
331	A chaotic quantum-behaved particle swarm approach applied to optimization of heat exchangers. <i>Applied Thermal Engineering</i> , 2012 , 42, 119-128	5.8	78
330	Magnetocaloric effect in the RNi5 (R=Pr, Nd, Gd, Tb, Dy, Ho, Er) series. <i>Physical Review B</i> , 2004 , 70,	3.3	78

329	Wind speed forecasting approach based on Singular Spectrum Analysis and Adaptive Neuro Fuzzy Inference System. <i>Renewable Energy</i> , 2018 , 126, 736-754	8.1	75
328	An improved harmony search algorithm for synchronization of discrete-time chaotic systems. <i>Chaos, Solitons and Fractals,</i> 2009 , 41, 2526-2532	9.3	74
327	Enhanced ensemble structures using wavelet neural networks applied to short-term load forecasting. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 82, 272-281	7.2	72
326	A backtracking search algorithm combined with Burger's chaotic map for parameter estimation of PEMFC electrochemical model. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 11165-11174	6.7	70
325	Particle swarm approaches using Lozi map chaotic sequences to fuzzy modelling of an experimental thermal-vacuum system. <i>Applied Soft Computing Journal</i> , 2008 , 8, 1354-1364	7.5	69
324	Optimal chiller loading for energy conservation using a new differential cuckoo search approach. <i>Energy</i> , 2014 , 75, 237-243	7.9	68
323	Solving non-smooth economic dispatch by a new combination of continuous GRASP algorithm and differential evolution. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 84, 13-24	5.1	67
322	Modified imperialist competitive algorithm based on attraction and repulsion concepts for reliability-redundancy optimization. <i>Expert Systems With Applications</i> , 2013 , 40, 3794-3802	7.8	67
321	Image thresholding segmentation based on a novel beta differential evolution approach. <i>Expert Systems With Applications</i> , 2015 , 42, 2136-2142	7.8	66
320	Capacitor placement of distribution systems using particle swarm optimization approaches. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 839-851	5.1	65
319	. IEEE Transactions on Industrial Electronics, 2007 , 54, 3234-3245	8.9	63
318	Multi-objective optimization of the environmental-economic dispatch with reinforcement learning based on non-dominated sorting genetic algorithm. <i>Applied Thermal Engineering</i> , 2019 , 146, 688-700	5.8	63
317	Economic optimization design for shell-and-tube heat exchangers by a Tsallis differential evolution. <i>Applied Thermal Engineering</i> , 2017 , 111, 143-151	5.8	61
316	Differential evolution optimization combined with chaotic sequences for image contrast enhancement. <i>Chaos, Solitons and Fractals,</i> 2009 , 42, 522-529	9.3	59
315	Theoretical description of the colossal entropic magnetocaloric effect: Application to MnAs. <i>Physical Review B</i> , 2006 , 73,	3.3	59
314	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	9.3	57
313	An improved free search differential evolution algorithm: A case study on parameters identification of one diode equivalent circuit of a solar cell module. <i>Energy</i> , 2015 , 93, 1515-1522	7.9	56
312	Optimal allocation, sizing of PHEV parking lots in distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 67, 472-477	5.1	55

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311	Multiobjective Biogeography-Based Optimization Based on Predator-Prey Approach. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 951-954	2	51	
310	Differential evolution based on truncated LNy-type flights and population diversity measure to solve economic load dispatch problems. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 57, 178-188	5.1	51	
309	Model-free adaptive control optimization using a chaotic particle swarm approach. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 2001-2009	9.3	50	
308	Least squares support vector machines with tuning based on chaotic differential evolution approach applied to the identification of a thermal process. <i>Expert Systems With Applications</i> , 2012 , 39, 4805-4812	7.8	49	
307	MESFET DC model parameter extraction using Quantum Particle Swarm Optimization. Microelectronics Reliability, 2009 , 49, 660-666	1.2	49	
306	Design of heat exchangers using a novel multiobjective free search differential evolution paradigm. <i>Applied Thermal Engineering</i> , 2016 , 94, 170-177	5.8	48	
305	A self-adaptive chaotic differential evolution algorithm using gamma distribution for unconstrained global optimization. <i>Applied Mathematics and Computation</i> , 2014 , 234, 452-459	2.7	48	
304	Global Optimization of Electromagnetic Devices Using an Exponential Quantum-Behaved Particle Swarm Optimizer. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 1074-1077	2	48	
303	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	10.6	47	
302	Multi-step ahead nonlinear identification of Lorenz chaotic system using radial basis neural network with learning by clustering and particle swarm optimization. <i>Chaos, Solitons and Fractals</i> , 2008 , 35, 967-979	9.3	47	
301	A RBF neural network model with GARCH errors: Application to electricity price forecasting. <i>Electric Power Systems Research</i> , 2011 , 81, 74-83	3.5	46	
300	Production and characterization of a thermostable glucoamylase from Streptosporangium sp. endophyte of maize leaves. <i>Bioresource Technology</i> , 2002 , 83, 105-9	11	46	
299	Calculation of the giant magnetocaloric effect in the MnFeP0.45As0.55 compound. <i>Physical Review B</i> , 2004 , 70,	3.3	45	
298	Cultural coyote optimization algorithm applied to a heavy duty gas turbine operation. <i>Energy Conversion and Management</i> , 2019 , 199, 111932	10.6	43	
297	A chaotic firefly algorithm applied to reliability-redundancy optimization 2011,		42	
296	Multiobjective Electromagnetic Optimization Based on a Nondominated Sorting Genetic Approach With a Chaotic Crossover Operator. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 1078-1081	2	41	
295	Wind turbine blade geometry design based on multi-objective optimization using metaheuristics. <i>Energy</i> , 2018 , 162, 645-658	7.9	40	
294	Multiobjective scatter search approach with new combination scheme applied to solve environmental/economic dispatch problem. <i>Energy</i> , 2013 , 53, 14-21	7.9	40	

293	Model-free adaptive control design using evolutionary-neural compensator. <i>Expert Systems With Applications</i> , 2010 , 37, 499-508	7.8	40
292	Computational intelligence approaches and linear models in case studies of forecasting exchange rates. <i>Expert Systems With Applications</i> , 2007 , 33, 816-823	7.8	40
291	Novel Gaussian quantum-behaved particle swarm optimiser applied to electromagnetic design. <i>IET Science, Measurement and Technology</i> , 2007 , 1, 290-294	1.5	40
290	A novel decomposition-ensemble learning framework for multi-step ahead wind energy forecasting. <i>Energy</i> , 2021 , 216, 119174	7.9	40
289	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	5.1	39
288	Pressure prediction of a spark ignition single cylinder engine using optimized extreme learning machine models. <i>Applied Energy</i> , 2019 , 249, 204-221	10.7	37
287	ReliabilityEedundancy optimization by means of a chaotic differential evolution approach. <i>Chaos, Solitons and Fractals,</i> 2009 , 41, 594-602	9.3	37
286	Improved quantum-inspired evolutionary algorithm with diversity information applied to economic dispatch problem with prohibited operating zones. <i>Energy Conversion and Management</i> , 2011 , 52, 8-14	10.6	36
285	Multiobjective Cuckoo Search Algorithm Based on Duffing's Oscillator Applied to Jiles-Atherton Vector Hysteresis Parameters Estimation. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1745-1748	2	33
284	Adaptive cascade control of a hydraulic actuator with an adaptive dead-zone compensation and optimization based on evolutionary algorithms. <i>Expert Systems With Applications</i> , 2011 , 38, 12262-1226	9 7.8	33
283	Multiobjective Particle Swarm Approach for the Design of a Brushless DC Wheel Motor. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2994-2997	2	33
282	A V-Shaped Binary Crow Search Algorithm for Feature Selection 2018 ,		32
281	A Multiobjective Gaussian Particle Swarm Approach Applied to Electromagnetic Optimization. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 3289-3292	2	31
280	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, 378-3	393 ⁸	30
279	A Modified Imperialist Competitive Algorithm for Optimization in Electromagnetics. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 579-582	2	30
278	Firefly as a novel swarm intelligence variable selection method in spectroscopy. <i>Analytica Chimica Acta</i> , 2014 , 852, 20-7	6.6	28
277	PID control design for chaotic synchronization using a tribes optimization approach. <i>Chaos, Solitons and Fractals,</i> 2009 , 42, 634-640	9.3	28
276	A modified ant colony optimization algorithm based on differential evolution for chaotic synchronization. <i>Expert Systems With Applications</i> , 2010 , 37, 4198-4203	7.8	28

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275	Correction to "Combining of Chaotic Differential Evolution and Quadratic Programming for Economic Dispatch Optimization with Valve-Point Effect". <i>IEEE Transactions on Power Systems</i> , 2006 , 21, 1465-1465	7	28	
274	Co-evolutionary particle swarm optimization for min-max problems using Gaussian distribution		28	
273	Metaheuristic inspired on owls behavior applied to heat exchangers design. <i>Thermal Science and Engineering Progress</i> , 2019 , 14, 100431	3.6	27	
272	Novel Gamma Differential Evolution Approach for Multiobjective Transformer Design Optimization. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2121-2124	2	27	
271	A comparison between three short-term shoreline prediction models. <i>Ocean and Coastal Management</i> , 2012 , 69, 102-110	3.9	27	
270	A hybrid shuffled complex evolution approach based on differential evolution for unconstrained optimization. <i>Applied Mathematics and Computation</i> , 2011 , 217, 5822-5829	2.7	27	
269	Computational intelligence approach to PID controller design using the universal model. <i>Information Sciences</i> , 2010 , 180, 3980-3991	7.7	27	
268	Hybrid multi-stage decomposition with parametric model applied to wind speed forecasting in Brazilian Northeast. <i>Renewable Energy</i> , 2021 , 164, 1508-1526	8.1	27	
267	Agribusiness time series forecasting using Wavelet neural networks and metaheuristic optimization: An analysis of the soybean sack price and perishable products demand. <i>International Journal of Production Economics</i> , 2018 , 203, 174-189	9.3	27	
266	Electrical Insulator Fault Forecasting Based on a Wavelet Neuro-Fuzzy System. <i>Energies</i> , 2020 , 13, 484	3.1	26	
265	Solution of JilesAtherton vector hysteresis parameters estimation by modified Differential Evolution approaches. <i>Expert Systems With Applications</i> , 2012 , 39, 2021-2025	7.8	26	
264	Chaotic synchronization using PID control combined with population based incremental learning algorithm. <i>Expert Systems With Applications</i> , 2010 , 37, 5347-5352	7.8	26	
263	PSO-E: Particle Swarm with Exponential Distribution		26	
262	An enhanced bat algorithm approach for reducing electrical power consumption of air conditioning systems based on differential operator. <i>Applied Thermal Engineering</i> , 2016 , 99, 834-840	5.8	26	
261	Electricity Price Forecasting Based on Self-Adaptive Decomposition and Heterogeneous Ensemble Learning. <i>Energies</i> , 2020 , 13, 5190	3.1	25	
260	Modified Social-Spider Optimization Algorithm Applied to Electromagnetic Optimization. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	25	
259	Multiobjective Optimization of Transformer Design Using a Chaotic Evolutionary Approach. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 669-672	2	25	
258	Self-organizing migration algorithm applied to machining allocation of clutch assembly. Mathematics and Computers in Simulation, 2009, 80, 427-435	3.3	25	

257	Binary coyote optimization algorithm for feature selection. Pattern Recognition, 2020, 107, 107470	7.7	24
256	A software tool for teaching of particle swarm optimization fundamentals. <i>Advances in Engineering Software</i> , 2008 , 39, 877-887	3.6	24
255	Predictive Controller Tuning Using Modified Particle Swarm Optimization Based on Cauchy and Gaussian Distributions 2005 , 287-298		24
254	Nonlinear identification using a B-spline neural network and chaotic immune approaches. <i>Mechanical Systems and Signal Processing</i> , 2009 , 23, 2418-2434	7.8	23
253	Chaotic artificial immune approach applied to economic dispatch of electric energy using thermal units. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 2376-2383	9.3	23
252	Chaotic coyote algorithm applied to truss optimization problems. <i>Computers and Structures</i> , 2021 , 242, 106353	4.5	23
251	Using two improved particle swarm optimization variants for optimization of daily electrical power consumption in multi-chiller systems. <i>Applied Thermal Engineering</i> , 2015 , 89, 640-646	5.8	22
250	Temperature dependence of coercive field of ZnFe2O4 nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 053917	2.5	22
249	Multiobjective Exponential Particle Swarm Optimization Approach Applied to Hysteresis Parameters Estimation. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 283-286	2	21
248	Electromagnetic Optimization Using a Cultural Self-Organizing Migrating Algorithm Approach Based on Normative Knowledge. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 1446-1449	2	21
247	Thermodynamic optimization design for plate-fin heat exchangers by Tsallis JADE. <i>International Journal of Thermal Sciences</i> , 2017 , 113, 136-144	4.1	20
246	A GMDH polynomial neural network-based method to predict approximate three-dimensional structures of polypeptides. <i>Expert Systems With Applications</i> , 2012 , 39, 12268-12279	7.8	20
245	Estimation of apparent thermal conductivity of carrot purë during freezing using inverse problem. <i>International Journal of Food Science and Technology</i> , 2009 , 44, 1292-1303	3.8	20
244	Magnetocaloric effect of the ternary Dy, Ho and Er platinum gallides. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 1088-1092	2.8	19
243	A hybrid shuffled complex evolution approach with pattern search for unconstrained optimization. <i>Mathematics and Computers in Simulation</i> , 2011 , 81, 1901-1909	3.3	19
242	Magnetic and structural investigations on La0.6Sr0.4MnO3 nanostructured manganite: Evidence of a ferrimagnetic shell. <i>Journal of Solid State Chemistry</i> , 2014 , 219, 87-92	3.3	18
241	Supply chain optimisation using evolutionary algorithms. <i>International Journal of Computer Applications in Technology</i> , 2008 , 31, 158	0.7	18
240	Minimizing computational cost and energy demand of building lighting systems: A real time experiment using a modified competition over resources algorithm. <i>Energy and Buildings</i> , 2017 , 139, 108-123	7	17

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Image forgery detection by semi-automatic wavelet soft-Thresholding with error level analysis. <i>Expert Systems With Applications</i> , 2017 , 85, 348-356	7.8	17	
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A population-based simulated annealing algorithm for global optimization 2016 ,		16	
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Angular dependence of the bulk nucleation field Hc2 of aligned MgB2 crystallites. <i>Physical Review B</i> , 2001 , 64,	3.3	15	
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Note: Experimental setup for measuring the barocaloric effect in polymers: Application to natural rubber. <i>Review of Scientific Instruments</i> , 2017 , 88, 046103	1.7	14	
Optimization of drop ejection frequency in EHD inkjet printing system using an improved Firefly Algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 94, 106438	7.5	14	
Non-Dominated Sorting Genetic Algorithm Based on Reinforcement Learning to Optimization of Broad-Band Reflector Antennas Satellite. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 767-770	2	14	
	Population's variance-based Adaptive Differential Evolution for real parameter optimization 2013, Comparative study of SQP and metaheuristics for robotic manipulator design. Applied Numerical Mathematics, 2008, 58, 1396-1412 Multi-objective adaptive differential evolution for SVM/SVR hyperparameters selection. Pattern Recognition, 2021, 110, 107649 A Chaotic Approach of Differential Evolution Optimization Applied to Loudspeaker Design Problem. IEEE Transactions on Magnetics, 2012, 48, 751-754 A population-based simulated annealing algorithm for global optimization 2016, Multi-objective Krill Herd Algorithm for Electromagnetic Optimization. IEEE Transactions on Magnetics, 2016, 52, 1-4 Bio-inspired optimization algorithms for real underwater image restoration. Signal Processing: Image Communication, 2019, 77, 49-65 Integrative numerical modeling and thermodynamic optimal design of counter-flow plate-fin heat exchanger applying neural networks. International Journal of Heat and Mass Transfer, 2020, 159, 12009 Design of robust PSS in multimachine power systems using backtracking search algorithm 2015, Generalised minimum variance control state-space design. IET Control Theory and Applications, 2011, 5, 1709-1715 Nonlinear model identification of an experimental ball-and-tube system using a genetic programming approach. Mechanical Systems and Signal Processing, 2009, 23, 1434-1446 Angular dependence of the bulk nucleation field Hc2 of aligned MgB2 crystallites. Physical Review B, 2001, 64, Multi-step ahead meningitis case forecasting based on decomposition and multi-objective optimization methods. Journal of Biomedical Informatics, 2020, 111, 103575 Note: Experimental setup for measuring the barocaloric effect in polymers: Application to natural rubber. Review of Scientific Instruments, 2017, 88, 046103 Optimization of drop ejection frequency in EHD inkjet printing system using an improved Firefly Algorithm. Applied Soft Computing Journal, 2020, 94, 106438	Expert Systems With Applications, 2017, 85, 348-356 Population's variance-based Adaptive Differential Evolution for real parameter optimization 2013, Comparative study of SQP and metaheuristics for robotic manipulator design. Applied Numerical Mathematics, 2008, 58, 1396-1412 Multi-objective adaptive differential evolution for SVM/SVR hyperparameters selection. Pattern Recognition, 2021, 110, 107649 A Chaotic Approach of Differential Evolution Optimization Applied to Loudspeaker Design Problem. IEEE Transactions on Magnetics, 2012, 48, 751-754 A population-based simulated annealing algorithm for global optimization 2016, Multi-objective Krill Herd Algorithm for Electromagnetic Optimization. IEEE Transactions on Magnetics, 2015, 52, 1-4 Bio-inspired optimization algorithms for real underwater image restoration. Signal Processing: Image Communication, 2019, 77, 49-65 2.8 Integrative numerical modeling and thermodynamic optimal design of counter-flow plate-fin heat exchanger applying neural networks. International Journal of Heat and Mass Transfer, 2020, 159, 120097 4-9 Design of robust PSS in multimachine power systems using backtracking search algorithm 2015, Generalised minimum variance control state-space design. IET Control Theory and Applications, 2011	Expert Systems With Applications, 2017, 85, 348:356 Population's variance-based Adaptive Differential Evolution for real parameter optimization 2013, Comparative study of SQP and metaheuristics for robotic manipulator design. Applied Numerical Mathematics, 2008, 58, 1396-1412 Amulti-objective adaptive differential Evolution for SVM/SVR hyperparameters selection. Pattern Recognition, 2021, 110, 107649 A Chaotic Approach of Differential Evolution Optimization Applied to Loudspeaker Design Problem. 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Journal of Biomedical Informatics, 2020, 111, 103575 Note: Experimental setup for measuring the barocaloric effect in polymers: Application to natural 17, 14, 2001, 64, Not-Dominated Sorting Genetic Algorithm Based on Reinforcement Learning to Optimization of Top ejection frequency in EHD inkjet printing system using an improved Firefly Algorithm. Applied Sort Computing Journal, 2020, 94, 106438

221	A Multiobjective Firefly Approach Using Beta Probability Distribution for Electromagnetic Optimization Problems. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2085-2088	2	14
220	Hardware opposition-based PSO applied to mobile robot controllers. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 28, 64-77	7.2	14
219	Efficient bootstrap stacking ensemble learning model applied to wind power generation forecasting. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 136, 107712	5.1	14
218	MOBOpt [multi-objective Bayesian optimization. <i>SoftwareX</i> , 2020 , 12, 100520	2.7	14
217	Volumetric efficiency optimization of a single-cylinder D.I. diesel engine using differential evolution algorithm. <i>Applied Thermal Engineering</i> , 2016 , 108, 660-669	5.8	14
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