

Leandro Dos Santos Coelho

List of Publications by Year in descending order

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56
papers

4,565
citations

117453

34
h-index

214527

47
g-index

56
all docs

56
docs citations

56
times ranked

3613
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian quantum-behaved particle swarm optimization approaches for constrained engineering design problems. <i>Expert Systems With Applications</i> , 2010, 37, 1676-1683.	4.4	423
2	Short-term forecasting COVID-19 cumulative confirmed cases: Perspectives for Brazil. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109853.	2.5	339
3	Coevolutionary Particle Swarm Optimization Using Gaussian Distribution for Solving Constrained Optimization Problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006, 36, 1407-1416.	5.5	293
4	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.	3.3	214
5	Use of chaotic sequences in a biologically inspired algorithm for engineering design optimization. <i>Expert Systems With Applications</i> , 2008, 34, 1905-1913.	4.4	209
6	A quantum particle swarm optimizer with chaotic mutation operator. <i>Chaos, Solitons and Fractals</i> , 2008, 37, 1409-1418.	2.5	195
7	An efficient particle swarm approach for mixed-integer programming in reliability-redundancy optimization applications. <i>Reliability Engineering and System Safety</i> , 2009, 94, 830-837.	5.1	183
8	An improved harmony search algorithm for power economic load dispatch. <i>Energy Conversion and Management</i> , 2009, 50, 2522-2526.	4.4	174
9	A novel chaotic particle swarm optimization approach using HÃ©non map and implicit filtering local search for economic load dispatch. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 510-518.	2.5	159
10	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, 3080-3085.	4.4	143
11	Improved firefly algorithm approach applied to chiller loading for energy conservation. <i>Energy and Buildings</i> , 2013, 59, 273-278.	3.1	142
12	Apparent thermal diffusivity estimation of the banana during drying using inverse method. <i>Journal of Food Engineering</i> , 2008, 85, 569-579.	2.7	128
13	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.	2.4	113
14	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.	4.4	110
15	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.	3.0	103
16	A novel decomposition-ensemble learning framework for multi-step ahead wind energy forecasting. <i>Energy</i> , 2021, 216, 119174.	4.5	99
17	A chaotic quantum-behaved particle swarm approach applied to optimization of heat exchangers. <i>Applied Thermal Engineering</i> , 2012, 42, 119-128.	3.0	96
18	Modified imperialist competitive algorithm based on attraction and repulsion concepts for reliability-redundancy optimization. <i>Expert Systems With Applications</i> , 2013, 40, 3794-3802.	4.4	95

#	ARTICLE	IF	CITATIONS
19	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
20	Forecasting Brazilian and American COVID-19 cases based on artificial intelligence coupled with climatic exogenous variables. Chaos, Solitons and Fractals, 2020, 139, 110027.	2.5	87
21	Fuzzy Identification Based on a Chaotic Particle Swarm Optimization Approach Applied to a Nonlinear Yo-yo Motion System. IEEE Transactions on Industrial Electronics, 2007, 54, 3234-3245.	5.2	86
22	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
23	Model-free adaptive control optimization using a chaotic particle swarm approach. Chaos, Solitons and Fractals, 2009, 41, 2001-2009.	2.5	82
24	Differential evolution optimization combined with chaotic sequences for image contrast enhancement. Chaos, Solitons and Fractals, 2009, 42, 522-529.	2.5	78
25	Wavelet group method of data handling for fault prediction in electrical power insulators. International Journal of Electrical Power and Energy Systems, 2020, 123, 106269.	3.3	63
26	Global Optimization of Electromagnetic Devices Using an Exponential Quantum-Behaved Particle Swarm Optimizer. IEEE Transactions on Magnetics, 2008, 44, 1074-1077.	1.2	61
27	Differential evolution based on truncated Levy-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
28	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
29	Least squares support vector machines with tuning based on chaotic differential evolution approach applied to the identification of a thermal process. Expert Systems With Applications, 2012, 39, 4805-4812.	4.4	57
30	Electricity Price Forecasting Based on Self-Adaptive Decomposition and Heterogeneous Ensemble Learning. Energies, 2020, 13, 5190.	1.6	51
31	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
32	Improved quantum-inspired evolutionary algorithm with diversity information applied to economic dispatch problem with prohibited operating zones. Energy Conversion and Management, 2011, 52, 8-14.	4.4	45
33	A software tool for teaching of particle swarm optimization fundamentals. Advances in Engineering Software, 2008, 39, 877-887.	1.8	38
34	Predictive Controller Tuning Using Modified Particle Swarm Optimization Based on Cauchy and Gaussian Distributions. , 2005, , 287-298.		37
35	PID control design for chaotic synchronization using a tribes optimization approach. Chaos, Solitons and Fractals, 2009, 42, 634-640.	2.5	36
36	A modified ant colony optimization algorithm based on differential evolution for chaotic synchronization. Expert Systems With Applications, 2010, 37, 4198-4203.	4.4	34

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37	A hybrid shuffled complex evolution approach based on differential evolution for unconstrained optimization. <i>Applied Mathematics and Computation</i> , 2011, 217, 5822-5829.	1.4	32
38	Solution of Jiles' Atherton vector hysteresis parameters estimation by modified Differential Evolution approaches. <i>Expert Systems With Applications</i> , 2012, 39, 2021-2025.	4.4	32
39	Self-organizing migration algorithm applied to machining allocation of clutch assembly. <i>Mathematics and Computers in Simulation</i> , 2009, 80, 427-435.	2.4	30
40	Chaotic synchronization using PID control combined with population based incremental learning algorithm. <i>Expert Systems With Applications</i> , 2010, 37, 5347-5352.	4.4	27
41	Economic dispatch optimization using hybrid chaotic particle swarm optimizer. , 2007, , .		21
42	Estimation of apparent thermal conductivity of carrot puree during freezing using inverse problem. <i>International Journal of Food Science and Technology</i> , 2009, 44, 1292-1303.	1.3	21
43	A tuning strategy for multivariable PI and PID controllers using differential evolution combined with chaotic Zaslavskii map. <i>Expert Systems With Applications</i> , 2011, , .	4.4	20
44	Improved Bacterial Foraging Strategy Applied to TEAM Workshop Benchmark Problem. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2903-2906.	1.2	14
45	Global optimization of thermal conductivity using stochastic algorithms. <i>Inverse Problems in Science and Engineering</i> , 2009, 17, 511-535.	1.2	11
46	Solar Power Forecasting Based on Ensemble Learning Methods. , 2020, , .		9
47	Gaussian Quantum-Behaved Particle Swarm Optimization Applied to Fuzzy PID Controller Design. <i>Studies in Computational Intelligence</i> , 2008, , 1-15.	0.7	8
48	Quantum Gaussian particle swarm optimization approach for PID controller design in AVR system. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008, , .	0.0	5
49	Cauchy particle swarm optimization with dynamic adaptation applied to inverse heat transfer problem. , 2010, , .		5
50	Ant Lion Approach Based on Lozi Map for Multiobjective Transformer Design Optimization. , 2018, , .		5
51	QUANTUM INSPIRED PARTICLE SWARM COMBINED WITH LIN-KERNIGHAN-HELSGAUN METHOD TO THE TRAVELING SALESMAN PROBLEM. <i>Pesquisa Operacional</i> , 2015, 35, 465-488.	0.1	5
52	A normative differential evolution approach for estimation of heat transfer coefficient during freezing treatment by inverse analysis. , 2011, , .		3
53	Ensemble Learning Models Coupled with Urban Mobility Information Applied to Predict COVID-19 Incidence Cases. <i>Studies in Systems, Decision and Control</i> , 2022, , 821-858.	0.8	2
54	Seasonal-trend and multiobjective ensemble learning model for water consumption forecasting. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
55	Differential evolution with dynamic adaptation of mutation factor applied to inverse heat transfer problem. , 2010, , .		0
56	Forecasting COVID-19 pandemic using an echo state neural network-based framework. , 2021, , .		0