

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	Time series forecasting using ensemble learning methods for emergency prevention in hydroelectric power plants with dam. <i>Electric Power Systems Research</i> , 2022, 202, 107584.	2.1	50
2	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
3	A novel decomposition-ensemble learning framework for multi-step ahead wind energy forecasting. <i>Energy</i> , 2021, 216, 119174.	4.5	99
4	Forecasting COVID-19 pandemic using an echo state neural network-based framework. , 2021, , .		0
5	Seasonal-trend and multiobjective ensemble learning model for water consumption forecasting. , 2021, , .		1
6	Electricity Price Forecasting Based on Self-Adaptive Decomposition and Heterogeneous Ensemble Learning. <i>Energies</i> , 2020, 13, 5190.	1.6	51
7	Solar Power Forecasting Based on Ensemble Learning Methods. , 2020, , .		9
8	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
9	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
10	Short-term forecasting COVID-19 cumulative confirmed cases: Perspectives for Brazil. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109853.	2.5	339
11	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
12	Ant Lion Approach Based on Lozi Map for Multiobjective Transformer Design Optimization. , 2018, , .		5
13	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.	3.3	83
14	Capacitor placement of distribution systems using particle swarm optimization approaches. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 64, 839-851.	3.3	88
15	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
16	Differential evolution based on truncated Lévy-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.	3.3	61
17	A self-adaptive chaotic differential evolution algorithm using gamma distribution for unconstrained global optimization. <i>Applied Mathematics and Computation</i> , 2014, 234, 452-459.	1.4	59
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

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19	Improved firefly algorithm approach applied to chiller loading for energy conservation. Energy and Buildings, 2013, 59, 273-278.	3.1	142
20	A chaotic quantum-behaved particle swarm approach applied to optimization of heat exchangers. Applied Thermal Engineering, 2012, 42, 119-128.	3.0	96
21	Solution of Jiles' Atherton vector hysteresis parameters estimation by modified Differential Evolution approaches. Expert Systems With Applications, 2012, 39, 2021-2025.	4.4	32
22	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
23	A hybrid shuffled complex evolution approach based on differential evolution for unconstrained optimization. Applied Mathematics and Computation, 2011, 217, 5822-5829.	1.4	32
24	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
25	A tuning strategy for multivariable PI and PID controllers using differential evolution combined with chaotic Zaslavskii map. Expert Systems With Applications, 2011, , .	4.4	20
26	A normative differential evolution approach for estimation of heat transfer coefficient during freezing treatment by inverse analysis. , 2011, , .		3
27	A modified ant colony optimization algorithm based on differential evolution for chaotic synchronization. Expert Systems With Applications, 2010, 37, 4198-4203.	4.4	34
28	Improved Bacterial Foraging Strategy Applied to TEAM Workshop Benchmark Problem. IEEE Transactions on Magnetics, 2010, 46, 2903-2906.	1.2	14
29	An efficient cultural self-organizing migrating strategy for economic dispatch optimization with valve-point effect. Energy Conversion and Management, 2010, 51, 2580-2587.	4.4	110
30	Gaussian quantum-behaved particle swarm optimization approaches for constrained engineering design problems. Expert Systems With Applications, 2010, 37, 1676-1683.	4.4	423
31	Chaotic synchronization using PID control combined with population based incremental learning algorithm. Expert Systems With Applications, 2010, 37, 5347-5352.	4.4	27
32	Differential evolution with dynamic adaptation of mutation factor applied to inverse heat transfer problem. , 2010, , .		0
33	Cauchy particle swarm optimization with dynamic adaptation applied to inverse heat transfer problem. , 2010, , .		5
34	Global optimization of thermal conductivity using stochastic algorithms. Inverse Problems in Science and Engineering, 2009, 17, 511-535.	1.2	11
35	An improved harmony search algorithm for power economic load dispatch. Energy Conversion and Management, 2009, 50, 2522-2526.	4.4	174
36	Improved differential evolution approach based on cultural algorithm and diversity measure applied to solve economic load dispatch problems. Mathematics and Computers in Simulation, 2009, 79, 3136-3147.	2.4	113

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37	Estimation of apparent thermal conductivity of carrot purée during freezing using inverse problem. <i>International Journal of Food Science and Technology</i> , 2009, 44, 1292-1303.	1.3	21
38	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
39	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
40	A novel chaotic particle swarm optimization approach using Hénon map and implicit filtering local search for economic load dispatch. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 510-518.	2.5	159
41	Model-free adaptive control optimization using a chaotic particle swarm approach. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2001-2009.	2.5	82
42	Differential evolution optimization combined with chaotic sequences for image contrast enhancement. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 522-529.	2.5	78
43	PID control design for chaotic synchronization using a tribes optimization approach. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 634-640.	2.5	36
44	A software tool for teaching of particle swarm optimization fundamentals. <i>Advances in Engineering Software</i> , 2008, 39, 877-887.	1.8	38
45	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
46	A quantum particle swarm optimizer with chaotic mutation operator. <i>Chaos, Solitons and Fractals</i> , 2008, 37, 1409-1418.	2.5	195
47	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
48	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
49	Global Optimization of Electromagnetic Devices Using an Exponential Quantum-Behaved Particle Swarm Optimizer. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 1074-1077.	1.2	61
50	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
51	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
52	Gaussian Quantum-Behaved Particle Swarm Optimization Applied to Fuzzy PID Controller Design. <i>Studies in Computational Intelligence</i> , 2008, , 1-15.	0.7	8
53	Economic dispatch optimization using hybrid chaotic particle swarm optimizer. , 2007, , .		21
54	Fuzzy Identification Based on a Chaotic Particle Swarm Optimization Approach Applied to a Nonlinear Yo-yo Motion System. <i>IEEE Transactions on Industrial Electronics</i> , 2007, 54, 3234-3245.	5.2	86

#	ARTICLE	IF	CITATIONS
55	Coevolutionary Particle Swarm Optimization Using Gaussian Distribution for Solving Constrained Optimization Problems. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1407-1416.	5.5	293
56	Predictive Controller Tuning Using Modified Particle Swarm Optimization Based on Cauchy and Gaussian Distributions. , 2005, , 287-298.		37