

Eduardo G Carrano

List of Publications by Year in descending order

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66
papers

1,038
citations

489802

18
h-index

536525

29
g-index

68
all docs

68
docs citations

68
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Econometric Predictors and Artificial Neural Networks for the Construction of Stock Market Investment Bots. <i>Computational Economics</i> , 2023, 61, 743-773.	1.5	1
2	An efficient and fast local search based heuristic for reel management in a production line of oil extraction pipes. <i>Computers and Operations Research</i> , 2022, 137, 105547.	2.4	1
3	A machine learning-based approach for comprehensive fault diagnosis in transmission lines. <i>Computers and Electrical Engineering</i> , 2022, 101, 108107.	3.0	2
4	Multi-objective matheuristic for minimization of total tardiness and energy costs in a steel industry heat treatment line. <i>Computers and Industrial Engineering</i> , 2021, 151, 106929.	3.4	7
5	Diversity-Driven Selection Operator for Combinatorial Optimization. <i>Lecture Notes in Computer Science</i> , 2021, , 178-190.	1.0	0
6	A recombination-based matheuristic for mixed integer programming problems with binary variables. <i>International Transactions in Operational Research</i> , 2020, 27, 418-434.	1.8	0
7	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. <i>Ecology</i> , 2020, 101, e03115.	1.5	22
8	Minimizing undesirable load shedding through robust coordination of directional overcurrent relays. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 113, 748-757.	3.3	11
9	NEOTROPICAL XENARTHTRANS: a data set of occurrence of xenarthran species in the Neotropics. <i>Ecology</i> , 2019, 100, e02663.	1.5	54
10	A comparative study of optimization models in genetic programming-based rule extraction problems. <i>Soft Computing</i> , 2019, 23, 1179-1197.	2.1	2
11	Hybrid multicriteria algorithms applied to structural design of wireless local area networks. <i>Applied Intelligence</i> , 2018, 48, 3653-3671.	3.3	3
12	Permutation-based optimization for the load restoration problem with improved time estimation of maneuvers. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 101, 339-355.	3.3	9
13	An Automated Investing Method for Stock Market Based on Multiobjective Genetic Programming. <i>Computational Economics</i> , 2018, 52, 125-144.	1.5	27
14	Fixed-time traffic signal optimization using a multi-objective evolutionary algorithm and microsimulation of urban networks. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 1092-1101.	1.1	4
15	Restricted Boltzmann Machines for the Prediction of Trends in Financial Time Series. , 2018, , .		11
16	Hybrid deep learning approach for financial time series classification. <i>Revista Brasileira De Computação Aplicada</i> , 2018, 10, 54-63.	0.1	10
17	Scheduling maneuvers for the restoration of electric power distribution networks: Formulation and heuristics. <i>Electric Power Systems Research</i> , 2018, 163, 301-309.	2.1	5
18	Integer programming techniques for educational timetabling. <i>European Journal of Operational Research</i> , 2017, 262, 28-39.	3.5	25

#	ARTICLE	IF	CITATIONS
19	Restoration of power distribution networks. , 2017, , .		1
20	An evolutionary multiobjective based approach to improve robustness in directional overcurrent relay coordination. , 2017, , .		0
21	A comparative study of Multiobjective Evolutionary Algorithms for Wireless Local Area Network design. , 2017, , .		4
22	Robust coordination of directional overcurrent relays using a matheuristic algorithm. IET Generation, Transmission and Distribution, 2017, 11, 464-474.	1.4	40
23	Integrating matheuristics and metaheuristics for timetabling. Computers and Operations Research, 2016, 74, 108-117.	2.4	28
24	Multicriteria transformer asset management with maintenance and planning perspectives. IET Generation, Transmission and Distribution, 2016, 10, 2087-2097.	1.4	20
25	Multiobjective planning of power distribution networks with facility location for distributed generation. Electric Power Systems Research, 2016, 141, 562-571.	2.1	24
26	Late acceptance hill-climbing for high school timetabling. Journal of Scheduling, 2016, 19, 453-465.	1.3	23
27	Subpermutation-Based Evolutionary Multiobjective Algorithm for Load Restoration in Power Distribution Networks. IEEE Transactions on Evolutionary Computation, 2016, 20, 546-562.	7.5	28
28	Evaluating harmonic voltage distortion in load-varying unbalanced networks using Monte Carlo simulations. IET Generation, Transmission and Distribution, 2015, 9, 855-865.	1.4	18
29	Feedback-control operators for improved Pareto-set description: Application to a polymer extrusion process. Engineering Applications of Artificial Intelligence, 2015, 38, 147-167.	4.3	4
30	Evaluating cluster detection algorithms and feature extraction techniques in automatic classification of fish species. Pattern Analysis and Applications, 2015, 18, 783-797.	3.1	17
31	GoldMiner: A genetic programming based algorithm applied to Brazilian Stock Market. , 2014, , .		5
32	Using evolutionary algorithms for channel assignment in 802.11 networks. , 2014, , .		7
33	On a Vector Space Representation in Genetic Algorithms for Sensor Scheduling in Wireless Sensor Networks. Evolutionary Computation, 2014, 22, 361-403.	2.3	9
34	A genetic programming approach for fraud detection in electronic transactions. , 2014, , .		9
35	A niching genetic programming-based multi-objective algorithm for hybrid data classification. Neurocomputing, 2014, 133, 342-357.	3.5	14
36	A multiobjective hybrid evolutionary algorithm for robust design of distribution networks. International Journal of Electrical Power and Energy Systems, 2014, 63, 645-656.	3.3	15

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37	A computational intelligence based approach for computer network traffic shaping. , 2013, , .		0
38	A methodology for traffic shaping multiobjective optimization for next generation network. , 2012, , .		0
39	A modified NSGA-II for the Multiobjective Multi-mode Resource-Constrained Project Scheduling Problem. , 2012, , .		11
40	A faster genetic algorithm for substation location and network design of power distribution systems. , 2012, , .		5
41	Multiobjective planning of wireless local area networks (WLAN) using genetic algorithms. , 2012, , .		5
42	A multiobjective evolutionary algorithm for the 2D Guillotine Strip Packing Problem. , 2012, , .		1
43	Robust Design of Power Distribution Systems Using an Enhanced Multi-Objective Genetic Algorithm. , 2012, , 179-200.		1
44	A Hybrid Multiobjective Evolutionary Approach for Improving the Performance of Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 545-554.	2.4	80
45	A Multicriteria Statistical Based Comparison Methodology for Evaluating Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2011, 15, 848-870.	7.5	36
46	Immune system memetic algorithm for power distribution network design with load evolution uncertainty. Electric Power Systems Research, 2011, 81, 527-537.	2.1	14
47	Nonlinear Network Optimization – An Embedding Vector Space Approach. IEEE Transactions on Evolutionary Computation, 2010, 14, 206-226.	7.5	33
48	Using an enhanced integer NSGA-II for solving the multiobjective Generalized Assignment Problem. , 2010, , .		11
49	An Evolutionary Dynamic Approach for Designing Wireless Sensor Networks for Real Time Monitoring. , 2010, , .		4
50	Robust Design of Power Distribution Systems Using an Enhanced Multi-Objective Genetic Algorithm. International Journal of Natural Computing Research, 2010, 1, 92-112.	0.5	5
51	Semi-supervised training of Least Squares Support Vector Machine using a multiobjective evolutionary algorithm. , 2009, , .		1
52	A dynamic multiobjective hybrid approach for designing Wireless Sensor Networks. , 2009, , .		19
53	Continuous-space embedding genetic algorithm applied to the Degree Constrained Minimum Spanning Tree Problem. , 2009, , .		3
54	Hybrid multiobjective approach for designing wireless sensor networks. , 2009, , .		0

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55	Designing a multilayer microwave heating device using a multiobjective genetic algorithm. , 2009, , .		1
56	Feedback-Control Operators for Evolutionary Multiobjective Optimization. Lecture Notes in Computer Science, 2009, , 66-80.	1.0	4
57	An Immune Inspired Memetic Algorithm for power distribution system design under load evolution uncertainties. , 2008, , .		0
58	Power distribution network expansion scheduling using dynamic programming genetic algorithm. IET Generation, Transmission and Distribution, 2008, 2, 444.	1.4	35
59	A genetic algorithm for multiobjective training of ANFIS fuzzy networks. , 2008, , .		10
60	An enhanced statistical approach for evolutionary algorithm comparison. , 2008, , .		4
61	Electric Distribution Network Expansion Under Load-Evolution Uncertainty Using an Immune System Inspired Algorithm. IEEE Transactions on Power Systems, 2007, 22, 851-861.	4.6	82
62	A preliminary comparison of tree encoding schemes for evolutionary algorithms. , 2007, , .		14
63	Bi-objective Combined Facility Location and Network Design. , 2007, , 486-500.		6
64	Electric Distribution Network Multiobjective Design Using a Problem-Specific Genetic Algorithm. IEEE Transactions on Power Delivery, 2006, 21, 995-1005.	2.9	143
65	Optimal substation location and energy distribution network design using a hybrid GA-BFGS algorithm. IET Generation, Transmission and Distribution, 2005, 152, 919.	1.1	38
66	On Nonlinear Fitness Functions for Ranking-Based Selection. , 0, , .		2