

JosÃ© Antonio Marmolejo-Saucedo

List of Publications by Year in descending order

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58
papers

617
citations

759233

12
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23
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62
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62
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62
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Industry 4.0 framework for management and operations: a review. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 789-801.	4.9	176
2	Design and Development of Digital Twins: a Case Study in Supply Chains. <i>Mobile Networks and Applications</i> , 2020, 25, 2141-2160.	3.3	49
3	Vertical and horizontal integration systems in Industry 4.0. <i>Wireless Networks</i> , 2020, 26, 4767-4775.	3.0	42
4	A new algorithm for optimization of quality of service in peer to peer wireless mesh networks. <i>Wireless Networks</i> , 2020, 26, 4965-4973.	3.0	30
5	Digital Twins in Supply Chain Management: A Brief Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 653-661.	0.6	26
6	Binary monkey algorithm for approximate packing non-congruent circles in a rectangular container. <i>Wireless Networks</i> , 2020, 26, 4743-4752.	3.0	23
7	An adaptive random search for short term generation scheduling with network constraints. <i>PLoS ONE</i> , 2017, 12, e0172459.	2.5	20
8	Reliable and secure data transfer in IoT networks. <i>Wireless Networks</i> , 2020, 26, 5689-5702.	3.0	19
9	Efficiency analysis for stochastic dynamic facility layout problem using meta-heuristic, data envelopment analysis and machine learning. <i>Computational Intelligence</i> , 2020, 36, 172-202.	3.2	19
10	Optimization of the Storage Location Assignment and the Picker-Routing Problem by Using Mathematical Programming. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 534.	2.5	18
11	Fat Tail Model for Simulating Test Systems in Multiperiod Unit Commitment. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-7.	1.1	17
12	Methodology for multiarea state estimation solved by a decomposition method. <i>Electric Power Systems Research</i> , 2015, 123, 92-99.	3.6	15
13	Financial risk of increasing the follow-up period of breast cancer treatment currently covered by the Social Protection System in Health in Mexico. <i>Cost Effectiveness and Resource Allocation</i> , 2018, 16, 9.	1.5	12
14	Multiperiod optimal planning of thermal generation using cross decomposition. <i>Journal of Computer and Systems Sciences International</i> , 2011, 50, 793-804.	0.6	10
15	Design of a Distribution Network Using Primal-Dual Decomposition. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	1.1	10
16	An application of interactive fuzzy optimization model for redesigning supply chain for resilience. <i>Annals of Operations Research</i> , 2022, 315, 1803-1839.	4.1	10
17	Importance of organizational structure for TQM success and customer satisfaction. <i>Wireless Networks</i> , 2021, 27, 1601-1614.	3.0	9
18	Digital Twin Framework for Large-Scale Optimization Problems in Supply Chains: A Case of Packing Problem. <i>Mobile Networks and Applications</i> , 2022, 27, 2198-2214.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Decomposition Algorithm for Irregular Placement Problems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 214-221.	0.6	8
20	Monkey Algorithm for Packing Circles with Binary Variables. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 547-559.	0.6	7
21	Lead time performance in a internet product delivery supply chain with automatic consolidation. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 867-874.	4.9	6
22	The Role of Advanced Manufacturing Technologies in Production Process Performance: A Causal Model. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3741.	2.5	6
23	Technical evaluation of the opening of facilities in the pharmaceutical industry: optimization to supply chain in Mexico. <i>IFAC-PapersOnLine</i> , 2019, 52, 2692-2697.	0.9	6
24	Analysis of Constraint-Handling in Metaheuristic Approaches for the Generation and Transmission Expansion Planning Problem with Renewable Energy. <i>Complexity</i> , 2018, 2018, 1-22.	1.6	5
25	Optimizing a Biobjective Production-Distribution Planning Problem Using a GRASP. <i>Complexity</i> , 2018, 2018, 1-13.	1.6	5
26	Quantum-Behaved Bat Algorithm for Solving the Economic Load Dispatch Problem Considering a Valve-Point Effect. <i>International Journal of Applied Metaheuristic Computing</i> , 2020, 11, 41-57.	0.7	5
27	A Nearest Neighbor Algorithm to Optimize Recycling Networks. <i>International Journal of Applied Metaheuristic Computing</i> , 2020, 11, 92-107.	0.7	5
28	Balanced Circular Packing Problems with Distance Constraints. <i>Computation</i> , 2022, 10, 113.	2.0	5
29	Structural Dynamics and disruption events in Supply Chains using Fat Tail Distributions. <i>IFAC-PapersOnLine</i> , 2019, 52, 2686-2691.	0.9	4
30	A Decomposition Strategy for Optimal Design of a Soda Company Distribution System. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-7.	1.1	3
31	A new heuristic algorithm to solve Circle Packing problem inspired by nanoscale electromagnetic fields and gravitational effects. , 2018, , .		3
32	Prices of Mexican Wholesale Electricity Market: An Application of Alpha-Stable Regression. <i>Sustainability</i> , 2019, 11, 3185.	3.2	3
33	Selecting Large Portfolios of Social Projects in Public Organizations. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.	1.1	2
34	A proposed method for design of test cases for economic analysis in power systems. <i>Journal of Applied Research and Technology</i> , 2015, 13, 428-434.	0.9	2
35	Evaluation of inequality and technical efficiency of federal health financing for population without social security per Federal Entity, 2004-2012 in México. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 771-788.	4.9	2
36	The supply chain event management application: a case study. <i>IFAC-PapersOnLine</i> , 2019, 52, 2698-2703.	0.9	2

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37	Machine Learning Applied to the Measurement of Quality in Health Services in Mexico: The Case of the Social Protection in Health System. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 560-572.	0.6	2
38	Short-term generation planning by primal and dual decomposition techniques. <i>DYNA (Colombia)</i> , 2015, 82, 58-62.	0.4	2
39	Structural dynamics of logistic networks: A sustainable approach. <i>IFAC-PapersOnLine</i> , 2019, 52, 2704-2709.	0.9	1
40	Compress sensing algorithm for estimation of signals in sensor networks. <i>Wireless Networks</i> , 2020, 26, 5681-5688.	3.0	1
41	A Two Stage Method for the Multiple Traveling Salesman Problem. <i>International Journal of Applied Metaheuristic Computing</i> , 2020, 11, 79-91.	0.7	1
42	Improving a Manufacturing Process using Recursive Artificial Intelligence. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 266-275.	0.7	1
43	Quantum-Behaved Bat Algorithm for Solving the Economic Load Dispatch Problem Considering a Valve-Point Effect. , 2021, , 93-110.		1
44	Preface: Special Issue on Modeling, Simulation, and Optimization in Operational Research. <i>Journal of the Operations Research Society of China</i> , 2022, 10, 685-688.	1.4	1
45	Evaluation of Technical Efficiency of Thermal Power Units in Mexico: Data Envelopment Analysis and Stochastic Frontiers. <i>EAI/Springer Innovations in Communication and Computing</i> , 2018, , 101-122.	1.1	1
46	Technical efficiency of thermal power units through a stochastic frontier. <i>DYNA (Colombia)</i> , 2015, 82, 63-68.	0.4	1
47	Multiperiod Economic Dispatch: A Decomposition Approach. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 103-110.	0.4	0
48	Organizational Systems Convergence with the Industry 4.0 Challenge. , 2019, , 411-431.		0
49	A Metaheuristic Approach and Mathematical Programming for Packing Objects in a Rectangular Container. <i>International Journal of Applied Metaheuristic Computing</i> , 2020, 11, 108-119.	0.7	0
50	Editorial: Optimization Methods, Mobile Networks and Data Analytics: Applications in Engineering and Industry 4.0. <i>Mobile Networks and Applications</i> , 2020, 25, 2103-2104.	3.3	0
51	Intelligent computing in science and technology. <i>Wireless Networks</i> , 2020, 26, 4739-4741.	3.0	0
52	Design of a Logistics Network Using Analytical Techniques and Agent-Based Simulation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 216-224.	0.3	0
53	Telerehabilitation Prototype for Postural Disorder Monitoring in Parkinson Disease. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 129-142.	0.3	0
54	Resilience in Healthcare Supply Chains. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 506-519.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Predictive Modeling Approaches for Payroll Issuers. , 2017, , .		0
56	A Set-Partitioning-Based Model to Save Cost on the Import Processes. Studies in Computational Intelligence, 2018, , 57-72.	0.9	0
57	Optimized Packing of Object Clusters with Balancing Conditions. EAI/Springer Innovations in Communication and Computing, 2020, , 95-108.	1.1	0
58	Backbone Distribution Network Design for the Mexican Automotive Industry. EAI/Springer Innovations in Communication and Computing, 2020, , 41-60.	1.1	0