

Jose M Lanza-Gutierrez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

304
citations

7
h-index

16
g-index

37
ext. papers

393
ext. citations

2.7
avg, IF

3.74
L-index

#	Paper	IF	Citations
35	Edge computing design space exploration for heart rate monitoring. <i>The Integration VLSI Journal</i> , 2022 , 84, 171-179	1.4	0
34	A Machine-Learning-Based Distributed System for Fault Diagnosis With Scalable Detection Quality in Industrial IoT. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4339-4352	10.7	8
33	Fear Recognition for Women Using a Reduced Set of Physiological Signals. <i>Sensors</i> , 2021 , 21,	3.8	4
32	Q-Learnheuristics: Towards Data-Driven Balanced Metaheuristics. <i>Mathematics</i> , 2021 , 9, 1839	2.3	7
31	3D-LIDAR Based Object Detection and Tracking on the Edge of IoT for Railway Level Crossing. <i>IEEE Access</i> , 2021 , 9, 35718-35729	3.5	4
30	Comparison Between Stochastic Gradient Descent and VLE Metaheuristic for Optimizing Matrix Factorization. <i>Communications in Computer and Information Science</i> , 2020 , 153-164	0.3	
29	Exploring Further Advantages in an Alternative Formulation for the Set Covering Problem. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-24	1.1	4
28	A Hybrid Data Fusion Architecture for BINDI: A Wearable Solution to Combat Gender-Based Violence. <i>Communications in Computer and Information Science</i> , 2020 , 223-237	0.3	2
27	Towards an Machine Learning-Based Edge Computing Oriented Monitoring System for the Desert Border Surveillance Use Case. <i>IEEE Access</i> , 2020 , 8, 218304-218322	3.5	1
26	Data Science and AI-Based Optimization in Scientific Programming. <i>Scientific Programming</i> , 2019 , 2019, 1-3	1.4	1
25	. <i>IEEE Access</i> , 2019 , 7, 129778-129788	3.5	1
24	Toward a Robust Multi-Objective Metaheuristic for Solving the Relay Node Placement Problem in Wireless Sensor Networks. <i>Sensors</i> , 2019 , 19,	3.8	7
23	Toward Fear Detection using Affect Recognition 2019 ,		4
22	Solving the Manufacturing Cell Design Problem through an Autonomous Water Cycle Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4736	2.6	2
21	A New Metaheuristic Inspired by the Vapour-Liquid Equilibrium for Continuous Optimization. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2080	2.6	12
20	Embedded Emotion Recognition within Cyber-Physical Systems using Physiological Signals 2018 ,		6
19	A gravitational search algorithm for solving the relay node placement problem in wireless sensor networks. <i>International Journal of Communication Systems</i> , 2017 , 30, e2957	1.7	3

18	Context-aware prediction of access points demand in Wi-Fi networks. <i>Computer Networks</i> , 2017 , 117, 52-61	5.4	1
17	Analyzing the effects of binarization techniques when solving the set covering problem through swarm optimization. <i>Expert Systems With Applications</i> , 2017 , 70, 67-82	7.8	38
16	Energy Prediction of Access Points in Wi-Fi Networks According to Users Behaviour. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 825	2.6	
15	Applying an Electromagnetism-Like Algorithm for Solving the Manufacturing Cell Design Problem. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 37-61	0.4	
14	Studying the multiobjective variable neighbourhood search algorithm when solving the relay node placement problem in Wireless Sensor Networks. <i>Soft Computing</i> , 2016 , 20, 67-86	3.5	9
13	Fine-grained parallelization of fitness functions in bioinformatics optimization problems: gene selection for cancer classification and biclustering of gene expression data. <i>BMC Bioinformatics</i> , 2016 , 17, 330	3.6	5
12	Reliability and efficiency in wireless sensor networks: heuristic approaches. <i>Journal of Heuristics</i> , 2015 , 21, 141-143	1.9	2
11	A condition-based maintenance of a dependent degradation-threshold-shock model in a system with multiple degradation processes. <i>Reliability Engineering and System Safety</i> , 2015 , 134, 98-109	6.3	124
10	Assuming multiobjective metaheuristics to solve a three-objective optimisation problem for Relay Node deployment in Wireless Sensor Networks. <i>Applied Soft Computing Journal</i> , 2015 , 30, 675-687	7.5	36
9	Planning the Deployment of Indoor Wireless Sensor Networks Through Multiobjective Evolutionary Techniques. <i>Lecture Notes in Computer Science</i> , 2015 , 128-139	0.9	
8	On the Use of Perfect Sequences and Genetic Algorithms for Estimating the Indoor Location of Wireless Sensors. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 720574	1.7	0
7	A Trajectory-Based Heuristic to Solve a Three-Objective Optimization Problem for Wireless Sensor Network Deployment. <i>Lecture Notes in Computer Science</i> , 2014 , 27-38	0.9	2
6	A parallel evolutionary approach to solve the relay node placement problem in wireless sensor networks 2013 ,		11
5	A Trajectory Algorithm to Solve the Relay Node Placement Problem in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 145-156	0.9	1
4	Multi-objective evolutionary algorithms for energy-efficiency in heterogeneous wireless sensor networks 2012 ,		1
3	Relay Node Positioning in Wireless Sensor Networks by Means of Evolutionary Techniques. <i>Lecture Notes in Computer Science</i> , 2012 , 18-25	0.9	3
2	Optimizing Energy Consumption in Heterogeneous Wireless Sensor Networks by Means of Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2012 , 1-10	0.9	1
1	A multi-objective network design for real traffic models of the internet by means of a parallel framework for solving NP-hard problems 2011 ,		3

