Jose M Lanza-Gutierrez

List of Publications by Citations

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	A condition-based maintenance of a dependent degradation-threshold-shock model in a system with multiple degradation processes. *Reliability Engineering and System Safety*, **2015**, 134, 98-109	6.3	124
34	Analyzing the effects of binarization techniques when solving the set covering problem through swarm optimization. *Expert Systems With Applications*, **2017**, 70, 67-82	7.8	38
33	Assuming multiobjective metaheuristics to solve a three-objective optimisation problem for Relay Node deployment in Wireless Sensor Networks. *Applied Soft Computing Journal*, **2015**, 30, 675-687	7.5	36
32	A New Metaheuristic Inspired by the Vapour-Liquid Equilibrium for Continuous Optimization. *Applied Sciences (Switzerland)*, **2018**, 8, 2080	2.6	12
31	A parallel evolutionary approach to solve the relay node placement problem in wireless sensor networks **2013**,		11
30	Studying the multiobjective variable neighbourhood search algorithm when solving the relay node placement problem in Wireless Sensor Networks. *Soft Computing*, **2016**, 20, 67-86	3.5	9
29	A Machine-Learning-Based Distributed System for Fault Diagnosis With Scalable Detection Quality in Industrial IoT. *IEEE Internet of Things Journal*, **2021**, 8, 4339-4352	10.7	8
28	Toward a Robust Multi-Objective Metaheuristic for Solving the Relay Node Placement Problem in Wireless Sensor Networks. *Sensors*, **2019**, 19,	3.8	7
27	Q-Learnheuristics: Towards Data-Driven Balanced Metaheuristics. *Mathematics*, **2021**, 9, 1839	2.3	7
26	Embedded Emotion Recognition within Cyber-Physical Systems using Physiological Signals **2018**,		6
25	Fine-grained parallelization of fitness functions in bioinformatics optimization problems: gene selection for cancer classification and biclustering of gene expression data. *BMC Bioinformatics*, **2016**, 17, 330	3.6	5
24	Exploring Further Advantages in an Alternative Formulation for the Set Covering Problem. *Mathematical Problems in Engineering*, **2020**, 2020, 1-24	1.1	4
23	Toward Fear Detection using Affect Recognition **2019**,		4
22	Fear Recognition for Women Using a Reduced Set of Physiological Signals. *Sensors*, **2021**, 21,	3.8	4
21	3D-LIDAR Based Object Detection and Tracking on the Edge of IoT for Railway Level Crossing. *IEEE Access*, **2021**, 9, 35718-35729	3.5	4
20	A gravitational search algorithm for solving the relay node placement problem in wireless sensor networks. *International Journal of Communication Systems*, **2017**, 30, e2957	1.7	3
19	Relay Node Positioning in Wireless Sensor Networks by Means of Evolutionary Techniques. *Lecture Notes in Computer Science*, **2012**, 18-25	0.9	3

18	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
17	Reliability and efficiency in wireless sensor networks: heuristic approaches. *Journal of Heuristics*, **2015**, 21, 141-143	1.9	2
16	A Trajectory-Based Heuristic to Solve a Three-Objective Optimization Problem for Wireless Sensor Network Deployment. *Lecture Notes in Computer Science*, **2014**, 27-38	0.9	2
15	A Hybrid Data Fusion Architecture for BINDI: A Wearable Solution to Combat Gender-Based Violence. *Communications in Computer and Information Science*, **2020**, 223-237	0.3	2
14	Solving the Manufacturing Cell Design Problem through an Autonomous Water Cycle Algorithm. *Applied Sciences (Switzerland)*, **2019**, 9, 4736	2.6	2
13	Context-aware prediction of access points demand in Wi-Fi networks. *Computer Networks*, **2017**, 117, 52-61	5.4	1
12	Data Science and AI-Based Optimization in Scientific Programming. *Scientific Programming*, **2019**, 2019, 1-3	1.4	1
11	. *IEEE Access*, **2019**, 7, 129778-129788	3.5	1
10	Multi-objective evolutionary algorithms for energy-efficiency in heterogeneous wireless sensor networks **2012**,		1
9	Optimizing Energy Consumption in Heterogeneous Wireless Sensor Networks by Means of Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2012**, 1-10	0.9	1
8	A Trajectory Algorithm to Solve the Relay Node Placement Problem in Wireless Sensor Networks. *Lecture Notes in Computer Science*, **2013**, 145-156	0.9	1
7	Towards an Machine Learning-Based Edge Computing Oriented Monitoring System for the Desert Border Surveillance Use Case. *IEEE Access*, **2020**, 8, 218304-218322	3.5	1
6	On the Use of Perfect Sequences and Genetic Algorithms for Estimating the Indoor Location of Wireless Sensors. *International Journal of Distributed Sensor Networks*, **2015**, 11, 720574	1.7	0
5	Edge computing design space exploration for heart rate monitoring. *The Integration VLSI Journal*, **2022**, 84, 171-179	1.4	0
4	Energy Prediction of Access Points in Wi-Fi Networks According to Users Behaviour. *Applied Sciences (Switzerland)*, **2017**, 7, 825	2.6	
3	Comparison Between Stochastic Gradient Descent and VLE Metaheuristic for Optimizing Matrix Factorization. *Communications in Computer and Information Science*, **2020**, 153-164	0.3	
2	Planning the Deployment of Indoor Wireless Sensor Networks Through Multiobjective Evolutionary Techniques. *Lecture Notes in Computer Science*, **2015**, 128-139	0.9	
1	Applying an Electromagnetism-Like Algorithm for Solving the Manufacturing Cell Design Problem. *Advances in Computational Intelligence and Robotics Book Series*, **2017**, 37-61	0.4	