Jonathan MuraÃ±a

List of Publications by Year
in descending order

25 papers	616 citations	687220 13 h-index	713332 21 g-index
26 all docs	26 docs citations	26 times ranked	459 citing authors

#	Article	IF	Citations
1	An overview of metaheuristics: accurate and efficient methods for optimisation. International Journal of Metaheuristics, 2014, 3, 320.	0.1	190
2	Energy-Aware Scheduling on Multicore Heterogeneous Grid Computing Systems. Journal of Grid Computing, 2013, 11, 653-680.	2.5	76
3	Cluster-UY: Collaborative Scientific High Performance Computing in Uruguay. Communications in Computer and Information Science, 2019, , 188-202.	0.4	41
4	Online Bi-Objective Scheduling for IaaS Clouds Ensuring Quality of Service. Journal of Grid Computing, 2016, 14, 5-22.	2.5	39
5	Exact and heuristic approaches for multi-objective garbage accumulation points location in real scenarios. Waste Management, 2020, 105, 467-481.	3.7	36
6	A distributed platform for big data analysis in smart cities: combining Intelligent Transportation Systems and socioeconomic data for Montevideo, Uruguay. EAI Endorsed Transactions on Smart Cities, 2017, 2, 153478.	0.6	27
7	Urban Mobility Data Analysis for Public Transportation Systems: A Case Study in Montevideo, Uruguay. Applied Sciences (Switzerland), 2020, 10, 5400.	1.3	26
8	Analysis of Sustainable Public Transportation and Mobility Recommendations for Montevideo and Parque Rodó Neighborhood. Smart Cities, 2020, 3, 479-510.	5.5	23
9	Infrastructure Deployment in Vehicular Communication Networks Using a Parallel Multiobjective Evolutionary Algorithm. International Journal of Intelligent Systems, 2017, 32, 801-829.	3.3	22
10	Analysis of Mobility Patterns for Public Transportation and Bus Stops Relocation. Programming and Computer Software, 2018, 44, 508-525.	0.5	22
11	Holistic multiobjective planning of datacenters powered by renewable energy. Cluster Computing, 2015, 18, 1379-1397.	3.5	19
12	Multiobjective evolutionary algorithms for energy and service level scheduling in a federation of distributed datacenters. International Transactions in Operational Research, 2017, 24, 199-228.	1.8	17
13	Energy-aware online scheduling: Ensuring quality of service for IaaS clouds. , 2014, , .		14
14	Characterization, modeling and scheduling of power consumption of scientific computing applications in multicores. Cluster Computing, 2019, 22, 839-859.	3.5	14
15	Scheduling Energy Efficient Data Centers Using Renewable Energy. Electronics (Switzerland), 2016, 5, 71.	1.8	11
16	Simulation and evaluation of multicriteria planning heuristics for demand response in datacenters. Simulation, 2023, 99, 291-310.	1.1	8
17	An Empirical Study of the Robustness of Energy-Aware Schedulers for High Performance Computing Systems under Uncertainty. Communications in Computer and Information Science, 2014, , 143-157.	0.4	7
18	Negotiation Approach for the Participation of Datacenters and Supercomputing Facilities in Smart Electricity Markets. Programming and Computer Software, 2020, 46, 636-651.	0.5	7

#	Article	IF	Citations
19	Learning to optimize timetables for efficient transfers in public transportation systems. Applied Soft Computing Journal, 2022, 119, 108616.	4.1	7
20	Virtual Savant as a generic learning approach applied to the basic independent Next Release Problem. Applied Soft Computing Journal, 2021, 108, 107374.	4.1	4
21	Designing a Backbone Trunk for the Public Transportation Network in Montevideo, Uruguay. Communications in Computer and Information Science, 2020, , 228-243.	0.4	4
22	Exact and Metaheuristic Approach for Bus Timetable Synchronization to Maximize Transfers. Communications in Computer and Information Science, 2021, , 183-198.	0.4	1
23	Bio-inspired negotiation approach for smart-grid colocation datacenter operation. Mathematical Biosciences and Engineering, 2022, 19, 2403-2423.	1.0	1
24	Smart grid demand response strategies for datacenters. Proceedings of the Institute for System Programming of RAS, 2021, 33, 125-136.	0.1	0
25	User-centric multiobjective location of electric vehicle charging stations in a city-scale area. , 2021, , .		0