

Roberto Carballado

List of Publications by Year in descending order

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34
papers

526
citations

933264

10
h-index

839398

18
g-index

37
all docs

37
docs citations

37
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Skills Requirements for the European Machine Tool Sector Emerging from Its Digitalization. <i>Metals</i> , 2020, 10, 1665.	1.0	21
2	Good practice proposal for the implementation, presentation, and comparison of metaheuristics for solving routing problems. <i>Neurocomputing</i> , 2018, 271, 2-8.	3.5	43
3	On Efficiently Solving the Vehicle Routing Problem with Time Windows Using the Bat Algorithm with Random Reinsertion Operators. <i>Studies in Computational Intelligence</i> , 2018, , 69-89.	0.7	12
4	Smart Bandwidth Assignation in an Underlay Cellular Network for Internet of Vehicles. <i>Sensors</i> , 2017, 17, 2217.	2.1	13
5	Poster: Efficient cluster-based resource allocation for co-existing vehicle and cellular users. , 2016, , .		0
6	CS4VRU: Remote monitoring and warning system for Vulnerable Road. , 2016, , .		2
7	Comparison between Golden Ball Meta-heuristic, Evolutionary Simulated Annealing and Tabu Search for the Traveling Salesman Problem. , 2016, , .		7
8	An improved discrete bat algorithm for symmetric and asymmetric Traveling Salesman Problems. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 48, 59-71.	4.3	261
9	An Evolutionary Discrete Firefly Algorithm with Novel Operators for Solving the Vehicle Routing Problem with Time Windows. <i>Studies in Computational Intelligence</i> , 2016, , 21-41.	0.7	26
10	An Asymmetric Multiple Traveling Salesman Problem with Backhauls to solve a Dial-a-Ride problem. , 2015, , .		5
11	Crossover versus Mutation: A Comparative Analysis of the Evolutionary Strategy of Genetic Algorithms Applied to Combinatorial Optimization Problems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-22.	0.8	16
12	Focusing on the Golden Ball Metaheuristic: An Extended Study on a Wider Set of Problems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-17.	0.8	14
13	A study on the efficiency of neutral crossover operators in genetic algorithms applied to the bin packing problem. , 2014, , .		0
14	Ubiquitous Connected Train Based on Train-to-Ground and Intra-Wagon Communications Capable of Providing on Trip Customized Digital Services for Passengers. <i>Sensors</i> , 2014, 14, 8003-8025.	2.1	14
15	A study on the impact of heuristic initialization functions in a genetic algorithm solving the N-queens problem. , 2014, , .		2
16	Comments on "Albayrak, M., & Allahverdy N. (2011). Development a new mutation operator to solve the Traveling Salesman Problem by aid of genetic algorithms. <i>Expert Systems with Applications</i> , 38(3), 1313-1320". A proposal of good practice. <i>Expert Systems With Applications</i> , 2014, 41, 1530-1531.	4.4	2
17	On the influence of using initialization functions on genetic algorithms solving combinatorial optimization problems: A first study on the TSP. , 2014, , .		11
18	An Adaptive Multi-Crossover Population Algorithm for Solving Routing Problems. <i>Studies in Computational Intelligence</i> , 2014, , 113-124.	0.7	14

#	ARTICLE	IF	CITATIONS
19	A Proposal of Good Practice in the Formulation and Comparison of Meta-heuristics for Solving Routing Problems. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 31-40.	0.5	1
20	Using TETRA Technology for Improving a Decentralized Positioning System for Trains and Trams. <i>Communications in Computer and Information Science</i> , 2014, , 273-283.	0.4	0
21	A multi-crossover and adaptive island based population algorithm for solving routing problems. <i>Journal of Zhejiang University: Science C</i> , 2013, 14, 815-821.	0.7	19
22	Discussion related to “Wang, C.-H., & Lu, J.-Z. (2009). A hybrid genetic algorithm that optimizes capacitated vehicle routing problem. <i>Expert Systems with Applications</i> , 36(2), 2921-2936”. <i>Expert Systems With Applications</i> , 2013, 40, 5425-5426.	4.4	7
23	Analysis of the suitability of using blind crossover operators in genetic algorithms for solving routing problems. , 2013, , .		10
24	A middleware for dynamic and adaptive vehicle-to-ground communications management. , 2013, , .		0
25	Towards a Train-to-Ground and Intra-wagon Communications Solution Capable of Providing on Trip Customized Digital Services for Passengers. <i>Lecture Notes in Computer Science</i> , 2013, , 334-341.	1.0	1
26	Continuous broadband communication system based on existing open source network tools for vehicular environments. , 2012, , .		0
27	Wireless Technologies in the Railway: Train-to-Earth Wireless Communications. , 2012, , .		1
28	A Methodological Proposal to Eliminate Ambiguities in the Comparison of Vehicle Routing Problem Solving Techniques. , 2012, , .		0
29	Simulation Tool based on a Memetic Algorithm to Solve a Real Instance of a Dynamic TSP. , 2012, , .		3
30	A METAHEURISTICS BASED SIMULATION TOOL TO OPTIMIZE DEMAND RESPONSIVE TRANSPORTATION SYSTEMS. , 2011, , .		0
31	Towards a Broadband Communications Manager to regulate train-to-earth communications. , 2010, , .		7
32	A backup system based on a decentralized positioning system for managing the railway traffic in emergency situations. , 2010, , .		2
33	A Location-Based Transactional Download Service of Contextualized Multimedia Content for Mobile Clients. <i>Advances in Intelligent and Soft Computing</i> , 2010, , 205-212.	0.2	0
34	Wireless Communications Architecture for “Train-to-Earth” Communication in the Railway Industry. <i>Lecture Notes in Computer Science</i> , 2009, , 626-633.	1.0	5