Juan G Villegas

List of Publications by Year
in descending order

24 papers	1,110 citations	758635 12 h-index	713013 21 g-index
26 all docs	26 docs citations	26 times ranked	951 citing authors

#	Article	IF	Citations
1	The electric vehicle routing problem with nonlinear charging function. Transportation Research Part B: Methodological, 2017, 103, 87-110.	2.8	337
2	A multi-space sampling heuristic for the green vehicle routing problem. Transportation Research Part C: Emerging Technologies, 2016, 70, 113-128.	3.9	144
3	A matheuristic for the truck and trailer routing problem. European Journal of Operational Research, 2013, 230, 231-244.	3.5	99
4	A GRASP with evolutionary path relinking for the truck and trailer routing problem. Computers and Operations Research, 2011, 38, 1319-1334.	2.4	91
5	GRASP/VND and multi-start evolutionary local search for the single truck and trailer routing problem with satellite depots. Engineering Applications of Artificial Intelligence, 2010, 23, 780-794.	4.3	83
6	Solution methods for the bi-objective (cost-coverage) unconstrained facility location problem with an illustrative example. Annals of Operations Research, 2006, 147, 109-141.	2.6	68
7	Analysis of transportation networks subject to natural hazards â€“ Insights from a Colombian case. Reliability Engineering and System Safety, 2016, 152, 151-165.	5.1	57
8	Hybrid biobjective evolutionary algorithms forÂtheÂdesign of a hospital waste management network. Journal of Heuristics, 2009, 15, 153-176.	1.1	45
9	A multi-space sampling heuristic for the vehicle routing problem with stochastic demands. Optimization Letters, 2013, 7, 1503-1516.	0.9	43
10	A hybrid metaheuristic for the vehicle routing problem with stochastic demand and duration constraints. Journal of Heuristics, 2016, 22, 539-566.	1.1	43
11	A Branch-and-Cut Algorithm for the Single Truck and Trailer Routing Problem with Satellite Depots. Transportation Science, 2016, 50, 735-749.	2.6	22
12	A Scatter Search Heuristic for the Optimal Location, Sizing and Contract Pricing of Distributed Generation in Electric Distribution Systems. Energies, 2017, 10, 1449.	1.6	16
13	Analyzing the response to traffic accidents in MedellÃn, Colombia, with facility locationÂmodels. IATSS Research, 2017, 41, 47-56.	1.8	12
14	Supplier evaluation and classification in a Colombian motorcycle assembly company using data envelopment analysis. Academia Revista Latinoamericana De Administracion, 2019, 32, 159-180.	0.6	8
15	Multi-product capacitated facility location problem with general production and building costs. NETNOMICS: Economic Research and Electronic Networking, 2016, 17, 47-70.	0.9	7
16	An evolutionary strategy for multiobjective reinsurance optimization. Journal of the Operational Research Society, 2018, 69, 1661-1677.	2.1	7
17	Districting Decisions in Home Health Care Services: Modeling and Case Study. Communications in Computer and Information Science, 2018, , 73-84.	0.4	6
18	A Novel Strategy to Reduce Computational Burden of the Stochastic Security Constrained Unit Commitment Problem. Energies, 2020, 13, 3777.	1.6	6

#	Article	IF	Citations
19	An Optimization-Based System Dynamics Simulation for Sustainable Policy Design in WEEE Management Systems. Sustainability, 2021, 13, 11377.	1.6	4
20	Improving the tactical planning of solid waste collection with prescriptive analytics: a case study. Production, 0, 32, .	1.3	4
21	Vehicle routing problems with trailers. 4or, 2012, 10, 317-318.	1.0	3
22	A New Affinely Adjustable Robust Model for Security Constrained Unit Commitment under Uncertainty. Applied Sciences (Switzerland), 2021, 11, 3987.	1.3	3
23	A Two-Phase Heuristic for the Collection of Waste Animal Tissue in a Colombian Rendering Company. Communications in Computer and Information Science, 2017, , 511-521.	0.4	1
24	Planning and performance measurement in higher education: three case studies of operational research application. Revista Facultad De IngenierÃa, 0, , .	0.5	1