Juan G Villegas

List of Publications by Year
in descending order

24	1,110	758635	713013
papers	citations	12	21
		h-index	g-index

26	26	26	951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A New Affinely Adjustable Robust Model for Security Constrained Unit Commitment under Uncertainty. Applied Sciences (Switzerland), 2021, 11, 3987.	1.3	3
2	An Optimization-Based System Dynamics Simulation for Sustainable Policy Design in WEEE Management Systems. Sustainability, 2021, 13, 11377.	1.6	4
3	A Novel Strategy to Reduce Computational Burden of the Stochastic Security Constrained Unit Commitment Problem. Energies, 2020, 13, 3777.	1.6	6
4	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
5	An evolutionary strategy for multiobjective reinsurance optimization. Journal of the Operational Research Society, 2018, 69, 1661-1677.	2.1	7
6	Districting Decisions in Home Health Care Services: Modeling and Case Study. Communications in Computer and Information Science, 2018, , 73-84.	0.4	6
7	The electric vehicle routing problem with nonlinear charging function. Transportation Research Part B: Methodological, 2017, 103, 87-110.	2.8	337
8	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
9	Analyzing the response to traffic accidents in Medellín, Colombia, with facility location models. IATSS Research, 2017, 41, 47-56.	1.8	12
10	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
11	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
12	A hybrid metaheuristic for the vehicle routing problem with stochastic demand and duration constraints. Journal of Heuristics, 2016, 22, 539-566.	1.1	43
13	Analysis of transportation networks subject to natural hazards – Insights from a Colombian case. Reliability Engineering and System Safety, 2016, 152, 151-165.	5.1	57
14	A multi-space sampling heuristic for the green vehicle routing problem. Transportation Research Part C: Emerging Technologies, 2016, 70, 113-128.	3.9	144
15	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
16	A multi-space sampling heuristic for the vehicle routing problem with stochastic demands. Optimization Letters, 2013, 7, 1503-1516.	0.9	43
17	A matheuristic for the truck and trailer routing problem. European Journal of Operational Research, 2013, 230, 231-244.	3.5	99
18	Vehicle routing problems with trailers. 4or, 2012, 10, 317-318.	1.0	3

#	Article	IF	Citations
19	A GRASP with evolutionary path relinking for the truck and trailer routing problem. Computers and Operations Research, 2011, 38, 1319-1334.	2.4	91
20	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
21	Hybrid biobjective evolutionary algorithms forÂtheÂdesign of a hospital waste management network. Journal of Heuristics, 2009, 15, 153-176.	1.1	45
22	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
23	Planning and performance measurement in higher education: three case studies of operational research application. Revista Facultad De IngenierÃa, 0, , .	0.5	1
24	Improving the tactical planning of solid waste collection with prescriptive analytics: a case study. Production, 0, 32, .	1.3	4