Nubia Velasco

List of Publications by Year
in descending order

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40 papers	1,046 citations	586496 16 h-index	466096 32 g-index
41 all docs	41 docs citations	41 times ranked	1100 citing authors

#	Article	IF	Citations
1	Exact and heuristic approaches for the automated design of medical trainees rotation schedules. Omega, 2020, 97, 102107.	3.6	5
2	A network flow-based model for operations planning in home health care delivery. International Journal of Logistics Management, 2020, 32, 68-95.	4.1	5
3	Consolidating a research community on production research and logistics in Latin America. Academia Revista Latinoamericana De Administracion, 2019, 32, 110-117.	0.6	1
4	Using Open Access Data to Model a Technician Routing and Scheduling Problem in a Congested Urban Setting. Procedia Manufacturing, 2019, 39, 1129-1138.	1.9	1
5	Content-Based Conference Scheduling Optimization. IEEE Latin America Transactions, 2019, 17, 597-606.	1.2	2
6	A GRASPxILS for the Shared Customer Collaboration Vehicle Routing Problem. IFAC-PapersOnLine, 2019, 52, 2608-2613.	0.5	3
7	Bi-objective vehicle routing problem for hazardous materials transportation. Journal of Cleaner Production, 2019, 206, 976-986.	4.6	47
8	An exact approach to extend network lifetime in a general class of wireless sensor networks. Information Sciences, 2018, 433-434, 274-291.	4.0	18
9	A multi-population algorithm to solve the VRP with stochastic service and travel times. Computers and Industrial Engineering, 2018, 125, 144-156.	3.4	37
10	Logistics practices in healthcare organizations in Bogota. Academia Revista Latinoamericana De Administracion, 2018, 31, 519-533.	0.6	6
11	A hybrid metaheuristic algorithm for the vehicle routing problem with stochastic demands. Computers and Operations Research, 2018, 99, 135-147.	2.4	26
12	Variable neighborhood search to solve the vehicle routing problem for hazardous materials transportation. Journal of Hazardous Materials, 2017, 324, 472-480.	6.5	52
13	Strategies for the quality assessment of the health care service providers in the treatment of Gastric Cancer in Colombia. BMC Health Services Research, 2017, 17, 654.	0.9	8
14	Partial target coverage to extend the lifetime in wireless multiâ€role sensor networks. Networks, 2016, 68, 34-53.	1.6	16
15	Optimal sectioning of hydrocarbon transport pipeline by volume minimization, environmental and social vulnerability assessment. Journal of Loss Prevention in the Process Industries, 2016, 44, 681-689.	1.7	6
16	Shortest path algorithm for optimal sectioning of hydrocarbon transport pipeline. IFAC-PapersOnLine, 2016, 49, 532-537.	0.5	1
17	A multi population memetic algorithm for the vehicle routing problem with time windows and stochastic travel and service times. IFAC-PapersOnLine, 2016, 49, 1204-1209.	0.5	15
18	Mixed Integer Linear Programming Model for Vehicle Routing Problem for Hazardous Materials Transportation**Universidad Nacional de Colombia. Universite de Technologie de Troyes.. IFAC-PapersOnLine, 2016, 49, 538-543.	0.5	16

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19	A relaxâ€andâ€price heuristic for the inventoryâ€locationâ€routing problem. International Transactions in Operational Research, 2015, 22, 129-148.	1.8	26
20	Exact approaches for lifetime maximization in connectivity constrained wireless multi-role sensor networks. European Journal of Operational Research, 2015, 241, 28-38.	3.5	27
21	Carta editorial. Ciencia En Desarrollo, 2015, 6, .	0.1	0
22	A column generation approach to extend lifetime in wireless sensor networks with coverage and connectivity constraints. Computers and Operations Research, 2014, 52, 220-230.	2.4	39
23	Hybrid heuristic for the inventory location-routing problem with deterministic demand. International Journal of Production Economics, 2013, 146, 359-370.	5.1	86
24	On the Generalized Elementary Shortest Path Problem: A heuristic approach. Electronic Notes in Discrete Mathematics, 2013, 41, 503-510.	0.4	8
25	On the use of multiple sinks to extend the lifetime in connected wireless sensor networks. Electronic Notes in Discrete Mathematics, 2013, 41, 77-84.	0.4	11
26	A matheuristic for the truck and trailer routing problem. European Journal of Operational Research, 2013, 230, 231-244.	3.5	99
27	<i>cysA, cysP, and rpoS</i> mutations increase the power density in <i>P. aeruginosa</i> microbial fuel cells: Performing enhancement based on metabolic flux analysis. Advances in Bioscience and Biotechnology (Print), 2013, 04, 103-111.	0.3	6
28	Network Modeling of Biochemical Transport Phenomena. , 2013, , 1517-1518.		0
29	A non-dominated sorting genetic algorithm for a bi-objective pick-up and delivery problem. Engineering Optimization, 2012, 44, 305-325.	1.5	22
30	A network-based approach to the multi-activity combined timetabling and crew scheduling problem: Workforce scheduling for public health policy implementation. Computers and Industrial Engineering, 2012, 63, 802-812.	3.4	28
31	Constructive Heuristics for the Multicompartment Vehicle Routing Problem with Stochastic Demands. Transportation Science, 2011, 45, 346-363.	2.6	42
32	A GRASP with evolutionary path relinking for the truck and trailer routing problem. Computers and Operations Research, 2011, 38, 1319-1334.	2.4	91
33	Potenciando la contribuciÃ³n de la logÃstica hospitalaria: tres casos, tres trayectorias. Management International, 2010, 14, 85-98.	0.1	7
34	A memetic algorithm for the multi-compartment vehicle routing problem with stochastic demands. Computers and Operations Research, 2010, 37, 1886-1898.	2.4	137
35	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
36	An evolutionary-based decision support system for vehicle routing: The case of a public utility. Decision Support Systems, 2009, 46, 730-742.	3.5	55

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37	A Memetic Algorithm for a Pick-Up and Delivery Problem by Helicopter. Studies in Computational Intelligence, 2009, , 173-190.	0.7	8
38	Generation of Pop-Rock Chord Sequences Using Genetic Algorithms and Variable Neighborhood Search. Lecture Notes in Computer Science, 2009, , 573-578.	1.0	2
39	Optimization of the laundry service in a public hospital in Bogotá D.C., Colombia: A case of vehicle routing with split delivery. , 2008, , .		4
40	MaximizaciÃ³n de la Vida Ãštil en Redes de Sensores InalÃ¡mbricos con Rangos de Sensibilidad Ajustables mediante GeneraciÃ³n de Columnas. , 0, , .		0