

Maria Mayorga

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,321
citations

331670

21
h-index

361022

35
g-index

47
all docs

47
docs citations

47
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint location and dispatching decisions for Emergency Medical Services. <i>Computers and Industrial Engineering</i> , 2013, 64, 917-928.	6.3	112
2	Association of Simulated COVID-19 Vaccination and Nonpharmaceutical Interventions With Infections, Hospitalizations, and Mortality. <i>JAMA Network Open</i> , 2021, 4, e2110782.	5.9	90
3	Evaluating emergency medical service performance measures. <i>Health Care Management Science</i> , 2010, 13, 124-136.	2.6	88
4	Improving emergency service in rural areas: a bi-objective covering location model for EMS systems. <i>Annals of Operations Research</i> , 2014, 221, 133-159.	4.1	84
5	A model for optimally dispatching ambulances to emergency calls with classification errors in patient priorities. <i>IIE Transactions</i> , 2013, 45, 1-24.	2.1	78
6	The minimum p -envy location problem: a new model for equitable distribution of emergency resources. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2011, 1, 101-115.	0.8	73
7	A Dispatching Model for Server-to-Customer Systems That Balances Efficiency and Equity. <i>Manufacturing and Service Operations Management</i> , 2013, 15, 205-220.	3.7	66
8	Priority dispatching strategies for EMS systems. <i>Journal of the Operational Research Society</i> , 2014, 65, 572-587.	3.4	59
9	Real-Time Ambulance Dispatching and Relocation. <i>Manufacturing and Service Operations Management</i> , 2018, 20, 467-480.	3.7	55
10	Maternal Pre-Pregnancy Weight and Gestational Weight Gain and Their Association with Birthweight with a Focus on Racial Differences. <i>Maternal and Child Health Journal</i> , 2013, 17, 85-94.	1.5	46
11	Optimal dispatching strategies for emergency vehicles to increase patient survivability. <i>International Journal of Operational Research</i> , 2012, 15, 195.	0.2	36
12	Districting and dispatching policies for emergency medical service systems to improve patient survival. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2013, 3, 39-56.	0.8	36
13	Reducing disparities in large-scale emergency medical service systems. <i>Journal of the Operational Research Society</i> , 2015, 66, 1169-1181.	3.4	33
14	The optimal assignment of spontaneous volunteers. <i>Journal of the Operational Research Society</i> , 2017, 68, 1106-1116.	3.4	33
15	A Maximum Expected Covering Problem for District Design. <i>Transportation Science</i> , 2017, 51, 376-390.	4.4	30
16	Coverage, survivability or response time: A comparative study of performance statistics used in ambulance location models via simulation optimization. <i>Operations Research for Health Care</i> , 2016, 11, 1-12.	1.2	29
17	Trends in Characteristics of Patients Listed for Liver Transplantation Will Lead to Higher Rates of Waitlist Removal Due to Clinical Deterioration. <i>Transplantation</i> , 2017, 101, 2368-2374.	1.0	28
18	Identifying trade-offs in equity and efficiency for simultaneously optimizing location and multipriority dispatch of ambulances. <i>International Transactions in Operational Research</i> , 2019, 26, 415-438.	2.7	28

#	ARTICLE	IF	CITATIONS
19	Ambulance redeployment and dispatching under uncertainty with personnel workload limitations. IIE Transactions, 2018, 50, 777-788.	2.4	26
20	Impact of maternal diabetes on birthweight is greater in non-Hispanic blacks than in non-Hispanic whites. Diabetologia, 2012, 55, 971-980.	6.3	24
21	Recommendations for dispatching emergency vehicles under multitiered response via simulation. International Transactions in Operational Research, 2014, 21, 581-617.	2.7	23
22	An effective integer program for a general assembly line balancing problem with parallel workers and additional assignment restrictions. Journal of Manufacturing Systems, 2019, 50, 180-192.	13.9	23
23	Prepositioning disaster relief supplies using robust optimization. IIE Transactions, 2020, 52, 1122-1140.	2.4	23
24	The minimum p-envy location problem with requirement on minimum survival rate. Computers and Industrial Engineering, 2014, 74, 228-239.	6.3	20
25	Prioritization strategies for patient evacuations. Health Care Management Science, 2014, 17, 77-87.	2.6	17
26	Objective measures of workload in healthcare: a narrative review. International Journal of Health Care Quality Assurance, 2019, 33, 1-17.	0.9	17
27	Evaluating the impact of performance goals on dispatching decisions in emergency medical service. IIE Transactions on Healthcare Systems Engineering, 2011, 1, 185-196.	0.8	14
28	Inventory based allocation policies for flexible servers in serial systems. Annals of Operations Research, 2009, 172, 1-23.	4.1	13
29	Prepositioning inventory for disasters: a robust and equitable model. OR Spectrum, 2019, 41, 757-785.	3.4	13
30	OPTIMAL CONTROL OF A MAKE-TO-STOCK SYSTEM WITH ADJUSTABLE SERVICE RATE. Probability in the Engineering and Informational Sciences, 2006, 20, 609-634.	0.8	11
31	Allocating flexible servers in serial systems with switching costs. Annals of Operations Research, 2009, 172, 231-242.	4.1	11
32	Multilevel predictors of colorectal cancer testing modality among publicly and privately insured people turning 50. Preventive Medicine Reports, 2017, 6, 9-16.	1.8	11
33	Estimated Number of Preterm Births and Low Birth Weight Children Born in the United States Due to Maternal Binge Drinking. Maternal and Child Health Journal, 2013, 17, 677-688.	1.5	10
34	The potential impact of the Affordable Care Act and Medicaid expansion on reducing colorectal cancer screening disparities in African American males. PLoS ONE, 2020, 15, e0226942.	2.5	10
35	Joint management of capacity and inventory in make-to-stock production systems with multi-class demand. European Journal of Operational Research, 2011, 212, 312-324.	5.7	9
36	Assortment and inventory decisions with multiple quality levels. Annals of Operations Research, 2013, 211, 301-331.	4.1	8

#	ARTICLE	IF	CITATIONS
37	Predicting Liver Transplant Capacity Using Discrete Event Simulation. Medical Decision Making, 2015, 35, 784-796.	2.4	8
38	High-Quality Masks Reduce Covid-19 Infections and Death in the US. , 2021, , .		5
39	Metaheuristics for assortment problems with multiple quality levels. Computers and Operations Research, 2010, 37, 1797-1804.	4.0	4
40	Notice to comply: A systematic review of clinician compliance with guidelines surrounding acute hospital-based infection management. American Journal of Infection Control, 2020, 48, 940-947.	2.3	4
41	A dynamic programming approach to solving the assortment planning problem with multiple quality levels. Computers and Operations Research, 2012, 39, 1521-1529.	4.0	3
42	Simulated Estimates of Pre-Pregnancy and Gestational Diabetes Mellitus in the US: 1980 to 2008. PLoS ONE, 2013, 8, e73437.	2.5	3
43	Trends in BMI and obesity in U.S. women of childbearing age during the period of 1980â€“2010. Health Systems, 2015, 4, 176-186.	1.2	3
44	A framework for modeling the complex interaction between breast cancer and diabetes. , 2014, , .		1
45	Simulation of triaging patients into an Internal Medicine Department to validate the use of an optimization based workload score. , 2016, , .		1
46	Introduction to the Special Issue on Advancing Health Services. Service Science, 2018, 10, v-vii.	1.3	1
47	When History and Heterogeneity Matter: A Tutorial on the Impact of Markov Model Specifications in the Context of Colorectal Cancer Screening. Medical Decision Making, 2022, 42, 845-860.	2.4	1