

# 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	When History and Heterogeneity Matter: A Tutorial on the Impact of Markov Model Specifications in the Context of Colorectal Cancer Screening. <i>Medical Decision Making</i> , 2022, 42, 845-860.	2.4	1
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	High-Quality Masks Reduce Covid-19 Infections and Death in the US. , 2021, , .		5
4	Notice to comply: A systematic review of clinician compliance with guidelines surrounding acute hospital-based infection management. <i>American Journal of Infection Control</i> , 2020, 48, 940-947.	2.3	4
5	Prepositioning disaster relief supplies using robust optimization. <i>IIE Transactions</i> , 2020, 52, 1122-1140.	2.4	23
6	The potential impact of the Affordable Care Act and Medicaid expansion on reducing colorectal cancer screening disparities in African American males. <i>PLoS ONE</i> , 2020, 15, e0226942.	2.5	10
7	Prepositioning inventory for disasters: a robust and equitable model. <i>OR Spectrum</i> , 2019, 41, 757-785.	3.4	13
8	Objective measures of workload in healthcare: a narrative review. <i>International Journal of Health Care Quality Assurance</i> , 2019, 33, 1-17.	0.9	17
9	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
10	An effective integer program for a general assembly line balancing problem with parallel workers and additional assignment restrictions. <i>Journal of Manufacturing Systems</i> , 2019, 50, 180-192.	13.9	23
11	Ambulance redeployment and dispatching under uncertainty with personnel workload limitations. <i>IIE Transactions</i> , 2018, 50, 777-788.	2.4	26
12	Real-Time Ambulance Dispatching and Relocation. <i>Manufacturing and Service Operations Management</i> , 2018, 20, 467-480.	3.7	55
13	Introduction to the Special Issue on Advancing Health Services. <i>Service Science</i> , 2018, 10, v-vii.	1.3	1
14	A Maximum Expected Covering Problem for District Design. <i>Transportation Science</i> , 2017, 51, 376-390.	4.4	30
15	Multilevel predictors of colorectal cancer testing modality among publicly and privately insured people turning 50. <i>Preventive Medicine Reports</i> , 2017, 6, 9-16.	1.8	11
16	The optimal assignment of spontaneous volunteers. <i>Journal of the Operational Research Society</i> , 2017, 68, 1106-1116.	3.4	33
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	Simulation of triaging patients into an Internal Medicine Department to validate the use of an optimization based workload score. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Coverage, survivability or response time: A comparative study of performance statistics used in ambulance location models via simulationâ€“optimization. <i>Operations Research for Health Care</i> , 2016, 11, 1-12.	1.2	29
20	Trends in BMI and obesity in U.S. women of childbearing age during the period of 1980â€“2010. <i>Health Systems</i> , 2015, 4, 176-186.	1.2	3
21	Predicting Liver Transplant Capacity Using Discrete Event Simulation. <i>Medical Decision Making</i> , 2015, 35, 784-796.	2.4	8
22	Reducing disparities in large-scale emergency medical service systems. <i>Journal of the Operational Research Society</i> , 2015, 66, 1169-1181.	3.4	33
23	Priority dispatching strategies for EMS systems. <i>Journal of the Operational Research Society</i> , 2014, 65, 572-587.	3.4	59
24	Recommendations for dispatching emergency vehicles under multitiered response via simulation. <i>International Transactions in Operational Research</i> , 2014, 21, 581-617.	2.7	23
25	Prioritization strategies for patient evacuations. <i>Health Care Management Science</i> , 2014, 17, 77-87.	2.6	17
26	The minimum p-envy location problem with requirement on minimum survival rate. <i>Computers and Industrial Engineering</i> , 2014, 74, 228-239.	6.3	20
27	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
28	A framework for modeling the complex interaction between breast cancer and diabetes. , 2014, , .		1
29	Estimated Number of Preterm Births and Low Birth Weight Children Born in the United States Due to Maternal Binge Drinking. <i>Maternal and Child Health Journal</i> , 2013, 17, 677-688.	1.5	10
30	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
31	Assortment and inventory decisions with multiple quality levels. <i>Annals of Operations Research</i> , 2013, 211, 301-331.	4.1	8
32	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
33	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
34	Joint location and dispatching decisions for Emergency Medical Services. <i>Computers and Industrial Engineering</i> , 2013, 64, 917-928.	6.3	112
35	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
36	Simulated Estimates of Pre-Pregnancy and Gestational Diabetes Mellitus in the US: 1980 to 2008. <i>PLoS ONE</i> , 2013, 8, e73437.	2.5	3

#	ARTICLE	IF	CITATIONS
37	Optimal dispatching strategies for emergency vehicles to increase patient survivability. International Journal of Operational Research, 2012, 15, 195.	0.2	36
38	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
39	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
40	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
41	The minimum $p$ -envy location problem: a new model for equitable distribution of emergency resources. IIE Transactions on Healthcare Systems Engineering, 2011, 1, 101-115.	0.8	73
42	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
43	Evaluating emergency medical service performance measures. Health Care Management Science, 2010, 13, 124-136.	2.6	88
44	Metaheuristics for assortment problems with multiple quality levels. Computers and Operations Research, 2010, 37, 1797-1804.	4.0	4
45	Inventory based allocation policies for flexible servers in serial systems. Annals of Operations Research, 2009, 172, 1-23.	4.1	13
46	Allocating flexible servers in serial systems with switching costs. Annals of Operations Research, 2009, 172, 231-242.	4.1	11
47	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