

# Angel Ruiz

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,394  
citations

279487

23  
h-index

223531

46  
g-index

95  
all docs

95  
docs citations

95  
times ranked

2153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the Capacitated Location-Routing Problem by a Cooperative Lagrangean Relaxation-Granular Tabu Search Heuristic. <i>Transportation Science</i> , 2007, 41, 470-483.	2.6	222
2	Relief distribution networks: a systematic review. <i>Annals of Operations Research</i> , 2014, 223, 53-79.	2.6	186
3	Balancing assembly lines with tabu search. <i>European Journal of Operational Research</i> , 2006, 168, 826-837.	3.5	149
4	Recent optimization models and trends in location, relocation, and dispatching of emergency medical vehicles. <i>European Journal of Operational Research</i> , 2019, 272, 1-23.	3.5	146
5	An integrated approach for sustainable supply chain planning. <i>Computers and Operations Research</i> , 2015, 54, 180-194.	2.4	143
6	Transportation in disaster response operations. <i>Socio-Economic Planning Sciences</i> , 2012, 46, 23-32.	2.5	134
7	Models for automated storage and retrieval systems: a literature review. <i>International Journal of Production Research</i> , 2012, 50, 7110-7125.	4.9	104
8	Scheduling logistic activities to improve hospital supply systems. <i>Computers and Operations Research</i> , 2007, 34, 624-641.	2.4	94
9	A comprehensive fuzzy risk-based maintenance framework for prioritization of medical devices. <i>Applied Soft Computing Journal</i> , 2015, 32, 322-334.	4.1	92
10	A covering tour approach to the location of satellite distribution centers to supply humanitarian aid. <i>European Journal of Operational Research</i> , 2012, 222, 596-605.	3.5	74
11	Balancing assembly lines: an industrial case study. <i>Journal of the Operational Research Society</i> , 2004, 55, 589-597.	2.1	67
12	Designing Distribution Networks: Formulations and Solution Heuristic. <i>Transportation Science</i> , 2004, 38, 174-187.	2.6	63
13	Intersection control for automated vehicles with MILP. <i>IFAC-PapersOnLine</i> , 2016, 49, 37-42.	0.5	48
14	An empirical comparison of relocation strategies in real-time ambulance fleet management. <i>Computers and Industrial Engineering</i> , 2016, 94, 216-229.	3.4	47
15	Using Fuzzy Cost-Based FMEA, GRA and Profitability Theory for Minimizing Failures at a Healthcare Diagnosis Service. <i>Quality and Reliability Engineering International</i> , 2015, 31, 601-615.	1.4	46
16	A new dynamic integrated framework for surgical patients' prioritization considering risks and uncertainties. <i>Decision Support Systems</i> , 2016, 88, 112-120.	3.5	44
17	A generic and flexible simulation-based analysis tool for EMS management. <i>International Journal of Production Research</i> , 2015, 53, 7299-7316.	4.9	42
18	A recursive simulation-optimization framework for the ambulance location and dispatching problem. <i>European Journal of Operational Research</i> , 2020, 286, 713-725.	3.5	37

#	ARTICLE	IF	CITATIONS
19	Dynamic risk assessment of complex systems using FCM. International Journal of Production Research, 2018, 56, 1070-1088.	4.9	30
20	On storage assignment policies for unit-load automated storage and retrieval systems. International Journal of Production Research, 2012, 50, 879-892.	4.9	28
21	A simulation modeling framework for multiple-aisle automated storage and retrieval systems. Journal of Intelligent Manufacturing, 2014, 25, 193-207.	4.4	27
22	A stochastic approach for designing two-tiered emergency medical service systems. Flexible Services and Manufacturing Journal, 2018, 30, 123-152.	1.9	27
23	A systematic review of patient prioritization tools in non-emergency healthcare services. Systematic Reviews, 2020, 9, 227.	2.5	26
24	On sequencing policies for unit-load automated storage and retrieval systems. International Journal of Production Research, 2014, 52, 1090-1099.	4.9	25
25	Solving the vehicle routing problem with lunch break arising in the furniture delivery industry. Journal of the Operational Research Society, 2016, 67, 743-751.	2.1	25
26	Space allocation and stock replenishment synchronization in a distribution center. International Journal of Production Economics, 2008, 115, 19-27.	5.1	22
27	Importance of fairness in humanitarian relief distribution. Production Planning and Control, 2018, 29, 1145-1157.	5.8	22
28	Patient prioritization tools and their effectiveness in non-emergency healthcare services: a systematic review protocol. Systematic Reviews, 2019, 8, 78.	2.5	22
29	Modeling the logistics response to a bioterrorist anthrax attack. European Journal of Operational Research, 2016, 254, 458-471.	3.5	21
30	Improving product location and order picking activities in a distribution centre. Journal of the Operational Research Society, 2008, 59, 1603-1613.	2.1	19
31	Modeling and simulation of a hospital evacuation before a forecasted flood. Operations Research for Health Care, 2015, 4, 36-43.	0.8	19
32	Online single machine scheduling with setup times depending on the jobs sequence. Computers and Industrial Engineering, 2019, 129, 251-258.	3.4	19
33	A framework for sustainable forest resource allocation: A Canadian case study. Omega, 2017, 66, 224-235.	3.6	18
34	Sequencing approaches for multiple-aisle automated storage and retrieval systems. International Journal of Production Research, 2015, 53, 5873-5883.	4.9	16
35	Multi-period stochastic programming models for two-tiered emergency medical service system. Computers and Operations Research, 2020, 123, 104974.	2.4	16
36	A New Ant Colony Optimization Algorithm to Solve the Periodic Capacitated Arc Routing Problem with Continuous Moves. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	14

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37	Assessing the impact of patient prioritization on operating room schedules. <i>Operations Research for Health Care</i> , 2020, 24, 100232.	0.8	14
38	D�ploiement et Red�ploiement des V�hicules Ambulanciers dans la Gestion d'un Service Pr�hospitalier d'Urgence. <i>Infor</i> , 2012, 50, 1-30.	0.5	13
39	A simulation model to improve warehouse operations. , 2007, , .		12
40	A New Decision Support Tool for Dynamic Risks Analysis in Collaborative Networks. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 53-62.	0.5	11
41	Application of FCM for advanced risk assessment of complex and dynamic systems. <i>IFAC-PapersOnLine</i> , 2016, 49, 1910-1915.	0.5	11
42	Biomedical sample transportation in the province of Quebec: a case study. <i>International Journal of Production Research</i> , 2016, 54, 602-615.	4.9	11
43	A practical vehicle routing problem with desynchronized arrivals to depot. <i>European Journal of Operational Research</i> , 2016, 255, 58-67.	3.5	10
44	Operations Management at the service of health care management: Example of a proposal for action research to plan and schedule health resources in scenarios derived from the COVID-19 outbreak. <i>Journal of Industrial Engineering and Management</i> , 2020, 13, 213.	1.0	10
45	Integrating natural wood drying and seasonal trucks' workload restrictions into forestry transportation planning. <i>Omega</i> , 2021, 98, 102135.	3.6	10
46	A multi-criteria vertical coordination framework for a reliable aid distribution. <i>Journal of Industrial Engineering and Management</i> , 2017, 10, 789.	1.0	9
47	Strategies to reduce waiting times in outpatient rehabilitation services for adults with physical disabilities: A systematic literature review. <i>Journal of Health Services Research and Policy</i> , 2022, 27, 157-167.	0.8	9
48	A Systems Thinking Model to Support Long-Term Bearability of the Healthcare System: The Case of the Province of Quebec. <i>Sustainability</i> , 2019, 11, 7028.	1.6	8
49	An iterated local search for the biomedical sample transportation problem with multiple and interdependent pickups. <i>Journal of the Operational Research Society</i> , 2021, 72, 367-382.	2.1	7
50	A Decision Support System for Humanitarian Network Design and Distribution Operations. <i>Operations Research/ Computer Science Interfaces Series</i> , 2013, , 1-20.	0.3	7
51	A Routing Problem for Medical Test Sample Collection in Home Health Care Services. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 29-46.	0.1	7
52	A reputation-based model for semi-competitive multi-agent systems. <i>International Journal of Intelligent Information and Database Systems</i> , 2009, 3, 146.	0.3	6
53	Risk assessment in ERP projects using an integrated method. , 2015, , .		6
54	Multi-criteria Decision Making Approaches to Prioritize Surgical Patients. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 25-34.	0.1	6

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55	A Framework for Capacity and Operations Planning in Services Organizations Employing Workers with Intellectual Disabilities. Sustainability, 2020, 12, 9713.	1.6	6
56	Redesigning the in-plant supply logistics: A case study. Computers and Industrial Engineering, 2020, 143, 106422.	3.4	6
57	Managing a Fleet of Ambulances to Respond to Emergency and Transfer Patient Transportation Demands. Springer Proceedings in Mathematics and Statistics, 2014, , 303-315.	0.1	5
58	Prioritization of Failures in Radiation Therapy Delivery. IFAC-PapersOnLine, 2016, 49, 1898-1903.	0.5	5
59	Clinical pathway efficiency for elective joint replacement surgeries: a case study. Journal of Health Organization and Management, 2019, 33, 323-338.	0.6	5
60	A hybrid optimization model: an approach for the humanitarian aid distribution problem. Applied Mathematical Sciences, 0, 9, 6329-6346.	0.0	5
61	An Integrated Approach for the Optimization of the Sustainable performance: a Wood Supply Chain. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 186-191.	0.4	4
62	Dynamic risk modeling and assessing in maintenance outsourcing with FCM. , 2015, , .		4
63	A Data-Driven Districting to Improve Emergency Medical Service Systems. IFAC-PapersOnLine, 2018, 51, 998-1003.	0.5	4
64	Prioritization of patients access to outpatient augmentative and alternative communication services in Quebec: a decision tool. Disability and Rehabilitation: Assistive Technology, 2020, , 1-8.	1.3	4
65	Bayesian spatio-temporal modelling and prediction of areal demands for ambulance services. IMA Journal of Management Mathematics, 2022, 33, 101-121.	1.1	4
66	SUPPLYING THE OPERATING THEATRE: CYCLIC AND SUPPLY CHAIN APPROACHES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 713-718.	0.4	3
67	Minimization of the Wood Density Variation in Pulp and Paper Production. Infor, 2007, 45, 187-196.	0.5	3
68	Optimal and heuristic solution methods for a multiprocessor machine scheduling problem. Computers and Operations Research, 2009, 36, 2822-2828.	2.4	3
69	Space allocation and aisle positioning for an industrial pick-to-belt system. Journal of the Operational Research Society, 2011, 62, 38-49.	2.1	3
70	A RECURSIVE OPTIMIZATION-SIMULATION APPROACH FOR THE AMBULANCE LOCATION AND DISPATCHING PROBLEM. , 2018, , .		3
71	Patient and provider perspectives regarding criteria for patient prioritization in two specialized rehabilitation programs. Patient Experience Journal, 2021, 8, 174-183.	0.3	3
72	A Bayesian Model for Describing and Predicting the Stochastic Demand of Emergency Calls. Springer Proceedings in Mathematics and Statistics, 2017, , 203-212.	0.1	3

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73	L'approche cha�ne d'approvisionnement pour organiser un service d'approvisionnement hospitalier. <i>Logistique &amp; Management</i> , 2004, 12, 5-11.	0.3	2
74	Modelling the Logistics Response to a General Infectious Disease. <i>IFAC-PapersOnLine</i> , 2015, 48, 180-186.	0.5	2
75	A hybrid collaborative algorithm to solve an integrated wood transportation and paper pulp production problem. <i>Journal of the Operational Research Society</i> , 2016, 67, 537-550.	2.1	2
76	A Fix-and-Optimize Variable Neighborhood Search for the Biomedical Sample Transportation Problem. <i>IFAC-PapersOnLine</i> , 2018, 51, 992-997.	0.5	2
77	Barriers and facilitators for implementation of a patient prioritization tool in two specialized rehabilitation programs. <i>JBIEvidence Implementation</i> , 2021, 19, 149-161.	1.4	2
78	A data generator for covid-19 patients' care requirements inside hospitals. <i>WPOM: Working Papers on Operations Management</i> , 2021, 12, 76-115.	0.7	2
79	Reconfiguration of Foodbank Network Logistics to Cope with a Sudden Disaster. <i>Mathematics</i> , 2022, 10, 1420.	1.1	2
80	Planification des tourn�es dans le domaine de la messagerie rapide. <i>Infor</i> , 2014, 52, 20-27.	0.5	1
81	A Cardinality-Constrained Robust Approach for the Ambulance Location and Dispatching Problem. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 99-109.	0.1	1
82	Discrete-Event Simulation of an Intrahospital Transportation Service. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 233-244.	0.1	1
83	Rescheduling Production on Identical Parallel Machines upon new jobs arrivals. <i>IFAC-PapersOnLine</i> , 2019, 52, 2525-2530.	0.5	1
84	A systematic literature review of the design of intermodal freight transportation networks addressing location-allocation decisions. <i>European Journal of Industrial Engineering</i> , 2021, 15, 1.	0.5	1
85	Disease Prevention and Control Plans: State of the Art and Future Research Guideline. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 145-154.	0.1	1
86	Fast and efficient methods for industrial floor assembly. <i>Computers and Operations Research</i> , 2007, 34, 1051-1060.	2.4	0
87	Operating a biomedical samples laboratories network under stochastic demand. , 2015, , .		0
88	Prioritization of health service failures a novel cost-based framework. , 2015, , .		0
89	Modeling and Simulation of a French Extended White Plan: A Hospital Evacuation Before a Forecasted Flood. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 277-288.	0.1	0
90	Chapitre 2. La cha�ne d'intervention des services pr�hospitaliers et leurs d�fis. , 2019, , 43-59.		0

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91	A Systematic Literature Review of the Design of Intermodal Freight Transportation Networks Addressing Location-Allocation Decisions. European Journal of Industrial Engineering, 2020, 15, 1.	0.5	0
92	A capacity sharing approach to manage jointly transportation and emergency fleets at EMS organisations. International Journal of Production Research, 0, , 1-18.	4.9	0