Angel Ruiz

List of Publications by Year
in descending order

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92	2,394	279798 23	223800 46
papers	citations	h-index	g-index

95	95	95	2153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bayesian spatio-temporal modelling and prediction of areal demands for ambulance services. IMA Journal of Management Mathematics, 2022, 33, 101-121.	1.6	4
2	Strategies to reduce waiting times in outpatient rehabilitation services for adults with physical disabilities: A systematic literature review. Journal of Health Services Research and Policy, 2022, 27, 157-167.	1.7	9
3	Reconfiguration of Foodbank Network Logistics to Cope with a Sudden Disaster. Mathematics, 2022, 10, 1420.	2.2	2
4	Integrating natural wood drying and seasonal trucksâ€™ workload restrictions into forestry transportation planning. Omega, 2021, 98, 102135.	5.9	10
5	An iterated local search for the biomedical sample transportation problem with multiple and interdependent pickups. Journal of the Operational Research Society, 2021, 72, 367-382.	3.4	7
6	A systematic literature review of the design of intermodal freight transportation networks addressing location-allocation decisions. European Journal of Industrial Engineering, 2021, 15, 1.	0.8	1
7	Barriers and facilitators for implementation of a patient prioritization tool in two specialized rehabilitation programs. JBI Evidence Implementation, 2021, 19, 149-161.	3.2	2
8	Patient and provider perspectives regarding criteria for patient prioritization in two specialized rehabilitation programs. Patient Experience Journal, 2021, 8, 174-183.	0.7	3
9	A data generator for covid-19 patientsâ€™ care requirements inside hospitals. WPOM: Working Papers on Operations Management, 2021, 12, 76-115.	1.1	2
10	Assessing the impact of patient prioritization on operating room schedules. Operations Research for Health Care, 2020, 24, 100232.	1.2	14
11	A systematic review of patient prioritization tools in non-emergency healthcare services. Systematic Reviews, 2020, 9, 227.	5.3	26
12	A Framework for Capacity and Operations Planning in Services Organizations Employing Workers with Intellectual Disabilities. Sustainability, 2020, 12, 9713.	3.2	6
13	Multi-period stochastic programming models for two-tiered emergency medical service system. Computers and Operations Research, 2020, 123, 104974.	4.0	16
14	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. Journal of Industrial Engineering and Management, 2020, 13, 213.	1.5	10
15	Prioritization of patients access to outpatient augmentative and alternative communication services in Quebec: a decision tool. Disability and Rehabilitation: Assistive Technology, 2020, , 1-8.	2.2	4
16	Redesigning the in-plant supply logistics: A case study. Computers and Industrial Engineering, 2020, 143, 106422.	6.3	6
17	A recursive simulation-optimization framework for the ambulance location and dispatching problem. European Journal of Operational Research, 2020, 286, 713-725.	5.7	37
18	A Systematic Literature Review of the Design of Intermodal Freight Transportation Networks Addressing Location-Allocation Decisions. European Journal of Industrial Engineering, 2020, 15, 1.	0.8	0

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19	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.	1.1	14
20	Online single machine scheduling with setup times depending on the jobs sequence. Computers and Industrial Engineering, 2019, 129, 251-258.	6.3	19
21	Clinical pathway efficiency for elective joint replacement surgeries: a case study. Journal of Health Organization and Management, 2019, 33, 323-338.	1.3	5
22	Patient prioritization tools and their effectiveness in non-emergency healthcare services: a systematic review protocol. Systematic Reviews, 2019, 8, 78.	5.3	22
23	A Systems Thinking Model to Support Long-Term Bearability of the Healthcare System: The Case of the Province of Quebec. Sustainability, 2019, 11, 7028.	3.2	8
24	Rescheduling Production on Identical Parallel Machines upon new jobs arrivals. IFAC-PapersOnLine, 2019, 52, 2525-2530.	0.9	1
25	Recent optimization models and trends in location, relocation, and dispatching of emergency medical vehicles. European Journal of Operational Research, 2019, 272, 1-23.	5.7	146
26	Chapitre 2. La chaÃ®ne dâ€™intervention des services prÃ©hospitaliers et leurs dÃ©fis. , 2019, , 43-59.		0
27	A stochastic approach for designing two-tiered emergency medical service systems. Flexible Services and Manufacturing Journal, 2018, 30, 123-152.	3.4	27
28	Dynamic risk assessment of complex systems using FCM. International Journal of Production Research, 2018, 56, 1070-1088.	7.5	30
29	Importance of fairness in humanitarian relief distribution. Production Planning and Control, 2018, 29, 1145-1157.	8.8	22
30	A RECURSIVE OPTIMIZATION-SIMULATION APPROACH FOR THE AMBULANCE LOCATION AND DISPATCHING PROBLEM. , 2018, , .		3
31	A Data-Driven Districting to Improve Emergency Medical Service Systems. IFAC-PapersOnLine, 2018, 51, 998-1003.	0.9	4
32	A Fix-and-Optimize Variable Neighborhood Search for the Biomedical Sample Transportation Problem. IFAC-PapersOnLine, 2018, 51, 992-997.	0.9	2
33	A framework for sustainable forest resource allocation: A Canadian case study. Omega, 2017, 66, 224-235.	5.9	18
34	A Cardinality-Constrained Robust Approach for the Ambulance Location and Dispatching Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 99-109.	0.2	1
35	Discrete-Event Simulation of an Intrahospital Transportation Service. Springer Proceedings in Mathematics and Statistics, 2017, , 233-244.	0.2	1
36	A multi-criteria vertical coordination framework for a reliable aid distribution. Journal of Industrial Engineering and Management, 2017, 10, 789.	1.5	9

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37	A Bayesian Model for Describing and Predicting the Stochastic Demand of Emergency Calls. Springer Proceedings in Mathematics and Statistics, 2017, , 203-212.	0.2	3
38	A practical vehicle routing problem with desynchronized arrivals to depot. European Journal of Operational Research, 2016, 255, 58-67.	5.7	10
39	Modeling the logistics response to a bioterrorist anthrax attack. European Journal of Operational Research, 2016, 254, 458-471.	5.7	21
40	Prioritization of Failures in Radiation Therapy Delivery. IFAC-PapersOnLine, 2016, 49, 1898-1903.	0.9	5
41	Application of FCM for advanced risk assessment of complex and dynamic systems. IFAC-PapersOnLine, 2016, 49, 1910-1915.	0.9	11
42	Multi-criteria Decision Making Approaches to Prioritize Surgical Patients. Springer Proceedings in Mathematics and Statistics, 2016, , 25-34.	0.2	6
43	Intersection control for automated vehicles with MILP. IFAC-PapersOnLine, 2016, 49, 37-42.	0.9	48
44	A new dynamic integrated framework for surgical patients' prioritization considering risks and uncertainties. Decision Support Systems, 2016, 88, 112-120.	5.9	44
45	A hybrid collaborative algorithm to solve an integrated wood transportation and paper pulp production problem. Journal of the Operational Research Society, 2016, 67, 537-550.	3.4	2
46	Biomedical sample transportation in the province of Quebec: a case study. International Journal of Production Research, 2016, 54, 602-615.	7.5	11
47	An empirical comparison of relocation strategies in real-time ambulance fleet management. Computers and Industrial Engineering, 2016, 94, 216-229.	6.3	47
48	Solving the vehicle routing problem with lunch break arising in the furniture delivery industry. Journal of the Operational Research Society, 2016, 67, 743-751.	3.4	25
49	Disease Prevention and Control Plans: State of the Art and Future Research Guideline. Springer Proceedings in Mathematics and Statistics, 2016, , 145-154.	0.2	1
50	Modelling the Logistics Response to a General Infectious Disease. IFAC-PapersOnLine, 2015, 48, 180-186.	0.9	2
51	Sequencing approaches for multiple-aisle automated storage and retrieval systems. International Journal of Production Research, 2015, 53, 5873-5883.	7.5	16
52	Operating a biomedical samples laboratories network under stochastic demand. , 2015, , .		0
53	Prioritization of health service failures a novel cost-based framework. , 2015, , .		0
54	Risk assessment in ERP projects using an integrated method. , 2015, , .		6

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55	Dynamic risk modeling and assessing in maintenance outsourcing with FCM. , 2015, , .		4
56	Modeling and simulation of a hospital evacuation before a forecasted flood. Operations Research for Health Care, 2015, 4, 36-43.	1.2	19
57	A comprehensive fuzzy risk-based maintenance framework for prioritization of medical devices. Applied Soft Computing Journal, 2015, 32, 322-334.	7.2	92
58	A New Decision Support Tool for Dynamic Risks Analysis in Collaborative Networks. IFIP Advances in Information and Communication Technology, 2015, , 53-62.	0.7	11
59	A generic and flexible simulation-based analysis tool for EMS management. International Journal of Production Research, 2015, 53, 7299-7316.	7.5	42
60	Using Fuzzy Costâ€Based FMEA, GRA and Profitability Theory for Minimizing Failures at a Healthcare Diagnosis Service. Quality and Reliability Engineering International, 2015, 31, 601-615.	2.3	46
61	An integrated approach for sustainable supply chain planning. Computers and Operations Research, 2015, 54, 180-194.	4.0	143
62	On sequencing policies for unit-load automated storage and retrieval systems. International Journal of Production Research, 2014, 52, 1090-1099.	7.5	25
63	Managing a Fleet of Ambulances to Respond to Emergency and Transfer Patient Transportation Demands. Springer Proceedings in Mathematics and Statistics, 2014, , 303-315.	0.2	5
64	A simulation modeling framework for multiple-aisle automated storage and retrieval systems. Journal of Intelligent Manufacturing, 2014, 25, 193-207.	7.3	27
65	Relief distribution networks: a systematic review. Annals of Operations Research, 2014, 223, 53-79.	4.1	186
66	Planification des tournÃ©es dans le domaine de la messagerie rapide. Infor, 2014, 52, 20-27.	0.6	1
67	A Routing Problem for Medical Test Sample Collection in Home Health Care Services. Springer Proceedings in Mathematics and Statistics, 2014, , 29-46.	0.2	7
68	Modeling and Simulation of a French Extended White Plan: A Hospital Evacuation Before a Forecasted Flood. Springer Proceedings in Mathematics and Statistics, 2014, , 277-288.	0.2	0
69	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
70	A Decision Support System for Humanitarian Network Design and Distribution Operations. Operations Research/ Computer Science Interfaces Series, 2013, , 1-20.	0.3	7
71	On storage assignment policies for unit-load automated storage and retrieval systems. International Journal of Production Research, 2012, 50, 879-892.	7.5	28
72	DÃ©ploiement et RedÃ©ploiement des VÃ©hicules Ambulanciers dans la Gestion d'un Service PrÃ©hospitalier d'Urgence. Infor, 2012, 50, 1-30.	0.6	13

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73	Models for automated storage and retrieval systems: a literature review. International Journal of Production Research, 2012, 50, 7110-7125.	7.5	104
74	A covering tour approach to the location of satellite distribution centers to supply humanitarian aid. European Journal of Operational Research, 2012, 222, 596-605.	5.7	74
75	Transportation in disaster response operations. Socio-Economic Planning Sciences, 2012, 46, 23-32.	5.0	134
76	Space allocation and aisle positioning for an industrial pick-to-belt system. Journal of the Operational Research Society, 2011, 62, 38-49.	3.4	3
77	Optimal and heuristic solution methods for a multiprocessor machine scheduling problem. Computers and Operations Research, 2009, 36, 2822-2828.	4.0	3
78	A reputation-based model for semi-competitive multi-agent systems. International Journal of Intelligent Information and Database Systems, 2009, 3, 146.	0.3	6
79	Space allocation and stock replenishment synchronization in a distribution center. International Journal of Production Economics, 2008, 115, 19-27.	8.9	22
80	Improving product location and order picking activities in a distribution centre. Journal of the Operational Research Society, 2008, 59, 1603-1613.	3.4	19
81	A simulation model to improve warehouse operations. , 2007, , .		12
82	Minimization of the Wood Density Variation in Pulp and Paper Production. Infor, 2007, 45, 187-196.	0.6	3
83	Solving the Capacitated Location-Routing Problem by a Cooperative Lagrangean Relaxation-Granular Tabu Search Heuristic. Transportation Science, 2007, 41, 470-483.	4.4	222
84	Fast and efficient methods for industrial floor assembly. Computers and Operations Research, 2007, 34, 1051-1060.	4.0	0
85	Scheduling logistic activities to improve hospital supply systems. Computers and Operations Research, 2007, 34, 624-641.	4.0	94
86	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
87	Balancing assembly lines with tabu search. European Journal of Operational Research, 2006, 168, 826-837.	5.7	149
88	Designing Distribution Networks: Formulations and Solution Heuristic. Transportation Science, 2004, 38, 174-187.	4.4	63
89	Balancing assembly lines: an industrial case study. Journal of the Operational Research Society, 2004, 55, 589-597.	3.4	67
90	Lâ€™approche chaÃ®ne dâ€™approvisionnement pour organiser un service dâ€™approvisionnement hospitalier. Logistique & Management, 2004, 12, 5-11.	0.6	2

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91	A hybrid optimization model: an approach for the humanitarian aid distribution problem. Applied Mathematical Sciences, 0, 9, 6329-6346.	0.1	5
92	A capacity sharing approach to manage jointly transportation and emergency fleets at EMS organisations. International Journal of Production Research, 0, , 1-18.	7.5	0