

Michael W Carter

List of Publications by Year in descending order

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63
papers

2,418
citations

236612

25
h-index

214527

47
g-index

64
all docs

64
docs citations

64
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	How can operational research make a real difference in healthcare? Challenges of implementation. <i>European Journal of Operational Research</i> , 2023, 306, 1059-1068.	3.5	2
2	Internet of things in healthcare for patient safety: an empirical study. <i>BMC Health Services Research</i> , 2022, 22, 278.	0.9	5
3	Discrete event simulation for emergency department modelling: A systematic review of validation methods. <i>Operations Research for Health Care</i> , 2022, 33, 100340.	0.8	2
4	Special issue on healthcare behavioural OR. <i>Journal of the Operational Research Society</i> , 2020, 71, 1053-1054.	2.1	2
5	Evaluation framework for automatic privacy auditing tools for hospital data breach detections: A case study. <i>International Journal of Medical Informatics</i> , 2020, 138, 104123.	1.6	6
6	Benefits of a Broader View: Capturing the Hospital-Wide Impact of Surge Policies with Discrete-Event Simulation. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 41-51.	0.1	1
7	High-fidelity whole-system patient flow modeling to assess health care transformation policies. <i>European Journal of Operational Research</i> , 2018, 266, 221-237.	3.5	11
8	Womenâ€™s College Hospital Uses Operations Research to Create an Ambulatory Clinic Schedule. <i>Service Science</i> , 2018, 10, 230-240.	0.9	2
9	Partnering to develop a talent pipeline for emerging health leaders in operations research. <i>Healthcare Management Forum</i> , 2017, 30, 146-150.	0.6	0
10	Discharge destination following hip fracture: comparative effectiveness and cost analyses. <i>Archives of Osteoporosis</i> , 2017, 12, 87.	1.0	25
11	Restructuring the resident training system for improving the equity of access to primary care. <i>European Journal of Operational Research</i> , 2017, 258, 1143-1155.	3.5	5
12	Data-driven generic discrete event simulation model of hospital patient flow considering surge. , 2017, , .		5
13	Five decades of healthcare simulation. , 2017, , .		8
14	Post-acute pathways among hip fracture patients: a system-level analysis. <i>BMC Health Services Research</i> , 2016, 16, 275.	0.9	35
15	Modeling the effect of short stay units on patient admissions. <i>Operations Research for Health Care</i> , 2015, 5, 21-27.	0.8	11
16	Health system modelling for policy development and evaluation: Using qualitative methods to capture the whole-system perspective. <i>Operations Research for Health Care</i> , 2015, 4, 15-26.	0.8	23
17	Can hospitals compete on quality?. <i>Health Care Management Science</i> , 2015, 18, 376-388.	1.5	14
18	Modelling the complete continuum of care using system dynamics: the case of osteoarthritis in Alberta. <i>Journal of Simulation</i> , 2015, 9, 156-169.	1.0	19

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19	Primary care network development: the regulator's perspective. Journal of the Operational Research Society, 2015, 66, 1519-1532.	2.1	13
20	Discrete Event Simulation of Patient Admissions to a Neurovascular Unit. Journal of Healthcare Engineering, 2014, 5, 347-360.	1.1	6
21	Modelling the future of the Canadian cardiac surgery workforce using system dynamics. Journal of the Operational Research Society, 2014, 65, 1325-1335.	2.1	23
22	A simulation case study to improve staffing decisions at mass immunization clinics for pandemic influenza. Journal of the Operational Research Society, 2014, 65, 497-511.	2.1	13
23	Dynamic optimization of chemotherapy outpatient scheduling with uncertainty. Health Care Management Science, 2014, 17, 379-392.	1.5	58
24	Theory of constraints for publicly funded health systems. Health Care Management Science, 2013, 16, 62-74.	1.5	15
25	The advantages and disadvantages of Radio Frequency Identification (RFID) in Health-care Centers; approach in Emergency Room (ER). Pakistan Journal of Medical Sciences, 2013, 29, .	0.3	9
26	Timetabling. , 2013, , 1552-1556.		3
27	A large simulation experiment to test influenza pandemic behavior. , 2012, , .		3
28	Health care operations management. OR Spectrum, 2012, 34, 315-317.	2.1	5
29	Estimation and management of pandemic influenza transmission risk at mass immunization clinics. , 2011, , .		7
30	Introduction to the Special Issue on "Operational Research and Health Care". Infor, 2011, 49, 233-233.	0.5	1
31	Allocating funds for HIV/AIDS: a descriptive study of KwaDukuza, South Africa. Health Policy and Planning, 2011, 26, 33-42.	1.0	9
32	Understanding hospital and emergency department congestion: an examination of inpatient admission trends and bed resources. Canadian Journal of Emergency Medicine, 2010, 12, 18-26.	0.5	33
33	Prediction of the time to complete a series of surgical cases to avoid cardiac operating room overutilization. Canadian Journal of Anaesthesia, 2010, 57, 973-979.	0.7	17
34	Modeling the Cardiac Surgery Workforce in Canada. Annals of Thoracic Surgery, 2010, 90, 467-473.	0.7	27
35	An evaluation of the applicability of system dynamics to patient flow modelling. Journal of the Operational Research Society, 2010, 61, 1572-1581.	2.1	32
36	Effect of Anesthesia and Sedation on Pediatric MR Imaging Patient Flow. Radiology, 2010, 256, 229-237.	3.6	108

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37	Physician workload and the Canadian Emergency Department Triage and Acuity Scale: the Predictors of Workload in the Emergency Room (POWER) Study. Canadian Journal of Emergency Medicine, 2009, 11, 321-329.	0.5	26
38	Introduction: Applications of Management Science and Operations Research Models and Methods to Problems in Health Care. Interfaces, 2009, 39, 183-185.	1.6	1
39	How much do operational processes affect hospital inpatient discharge rates?. Journal of Public Health, 2009, 31, 546-553.	1.0	39
40	S4HARA: System for HIV/AIDS resource allocation. Cost Effectiveness and Resource Allocation, 2008, 6, 7.	0.6	23
41	Tutorial on constructing a red blood cell inventory management system with two demand rates. European Journal of Operational Research, 2008, 185, 1051-1059.	3.5	78
42	SpaseLoc: An Adaptive Subproblem Algorithm for Scalable Wireless Sensor Network Localization. SIAM Journal on Optimization, 2007, 17, 1102-1128.	1.2	56
43	Multi-level resource allocation for HIV prevention: A model for developing countries. European Journal of Operational Research, 2007, 180, 786-799.	3.5	47
44	A Decision Tool for Negotiating Home Care Funding Levels in Ontario. Home Health Care Services Quarterly, 2006, 25, 91-106.	0.3	15
45	Physician and hospital funding options in a public system with decreasing resources. Socio-Economic Planning Sciences, 2003, 37, 45-68.	2.5	15
46	Toward theory-driven, quantitative performance measurement in ergonomics science: The abstraction hierarchy as a framework for data analysis. Theoretical Issues in Ergonomics Science, 2002, 3, 124-142.	1.0	12
47	A goal programming approach to strategic resource allocation in acute care hospitals. European Journal of Operational Research, 2002, 140, 541-561.	3.5	129
48	Extended clique initialisation in examination timetabling. Journal of the Operational Research Society, 2001, 52, 538-544.	2.1	25
49	Scheduling emergency room physicians. , 2001, 4, 347-360.		113
50	The hot strip mill production scheduling problem: A tabu search approach. European Journal of Operational Research, 1998, 106, 317-335.	3.5	152
51	Recent developments in practical course timetabling. Lecture Notes in Computer Science, 1998, , 3-19.	1.0	115
52	Recent developments in practical examination timetabling. Lecture Notes in Computer Science, 1996, , 1-21.	1.0	68
53	Solving An Integrated Logistics Problem Arising In Grocery Distribution. Infor, 1996, 34, 290-306.	0.5	30
54	Examination Timetabling: Algorithmic Strategies and Applications. Journal of the Operational Research Society, 1996, 47, 373-383.	2.1	283

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55	A General Examination Scheduling System. Interfaces, 1994, 24, 109-120.	1.6	62
56	Hanani triple systems. Israel Journal of Mathematics, 1993, 83, 305-319.	0.4	32
57	A nonlinear optimization approach for solving facility layout problems. European Journal of Operational Research, 1992, 57, 174-189.	3.5	106
58	A Lagrangian Relaxation Approach To The Classroom Assignment Problem [*] . Infor, 1989, 27, 230-246.	0.5	18
59	A warning about cyclic lot scheduling with sequence dependent set-up times. International Journal of Production Research, 1988, 26, 1281-1283.	4.9	5
60	OR Practice—A Survey of Practical Applications of Examination Timetabling Algorithms. Operations Research, 1986, 34, 193-202.	1.2	191
61	Work Force Size and Single Shift Schedules with Variable Demands. Management Science, 1985, 31, 599-607.	2.4	112
62	The indefinite zero-one quadratic problem. Discrete Applied Mathematics, 1984, 7, 23-44.	0.5	69
63	Staff Scheduling with Day-Off and Workstretch Constraints. A I E Transactions, 1979, 11, 286-292.	0.3	30