

Paul R Harper

List of Publications by Year in descending order

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43
papers

1,239
citations

623188

14
h-index

377514

34
g-index

44
all docs

44
docs citations

44
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of the academic literature on simulation and modelling in health care. <i>Journal of Simulation</i> , 2009, 3, 130-140.	1.0	338
2	A framework for operational modelling of hospital resources. <i>Health Care Management Science</i> , 2002, 5, 165-173.	1.5	204
3	A review and comparison of classification algorithms for medical decision making. <i>Health Policy</i> , 2005, 71, 315-331.	1.4	128
4	Combining discrete-event simulation and system dynamics in a healthcare setting: A composite model for Chlamydia infection. <i>European Journal of Operational Research</i> , 2014, 237, 196-206.	3.5	101
5	Simulation in health-care: lessons from other sectors. <i>Operational Research</i> , 2012, 12, 45-55.	1.3	49
6	Modelling the size and skill-mix of hospital nursing teams. <i>Journal of the Operational Research Society</i> , 2010, 61, 768-779.	2.1	47
7	Clinical pathway modelling: a literature review. <i>Health Systems</i> , 2021, 10, 1-23.	0.9	46
8	Cost-effective workforce planning: optimising the dental team skill-mix for England. <i>Journal of Enterprise Information Management</i> , 2013, 26, 91-108.	4.4	27
9	Alternative scenarios: harnessing mid-level providers and evidence-based practice in primary dental care in England through operational research. <i>Human Resources for Health</i> , 2015, 13, 78.	1.1	27
10	Small world network models of the dynamics of HIV infection. <i>Annals of Operations Research</i> , 2010, 178, 173-200.	2.6	26
11	A review of implementation of behavioural aspects in the application of OR in healthcare. <i>Journal of the Operational Research Society</i> , 2020, 71, 1055-1072.	2.1	25
12	Selfish routing in public services. <i>European Journal of Operational Research</i> , 2013, 230, 122-132.	3.5	23
13	Ciw: An open-source discrete event simulation library. <i>Journal of Simulation</i> , 2019, 13, 68-82.	1.0	20
14	Modelling emergency medical services with phase-type distributions. <i>Health Systems</i> , 2012, 1, 58-68.	0.9	14
15	Simulation model to investigate flexible workload management for healthcare and servicescape environment. , 2009, , .		13
16	Modeling of the collections process in the blood supply chain: A literature review. <i>IIEE Transactions on Healthcare Systems Engineering</i> , 2020, 10, 200-211.	1.2	13
17	Modelling deadlock in open restricted queueing networks. <i>European Journal of Operational Research</i> , 2018, 266, 609-621.	3.5	11
18	Covid-19 transmission modelling of students returning home from university. <i>Health Systems</i> , 2021, 10, 31-40.	0.9	11

#	ARTICLE	IF	CITATIONS
19	Incorporating Human Behavior in Healthcare Simulation Models. , 2006, , .		10
20	Predicting adolescent social networks to stop smoking in secondary schools. European Journal of Operational Research, 2018, 265, 263-276.	3.5	10
21	Modified Needlemanâ€™Wunsch algorithm for clinical pathway clustering. Journal of Biomedical Informatics, 2021, 115, 103668.	2.5	10
22	On the Peter Principle: An agent based investigation into the consequential effects of social networks and behavioural factors. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2898-2910.	1.2	9
23	Combining data mining tools with health care models for improved understanding of health processes and resource utilisation. Clinical and Investigative Medicine, 2005, 28, 338-41.	0.3	9
24	Measuring harm and informing quality improvement in the Welsh NHS: the longitudinal Welsh national adverse events study. Health Services and Delivery Research, 2017, 5, 1-190.	1.4	7
25	Containment of socially optimal policies in multiple-facility Markovian queueing systems. Journal of the Operational Research Society, 2016, 67, 629-643.	2.1	6
26	Emergency services utilization in Jakarta (Indonesia): a cross-sectional study of patients attending hospital emergency departments. BMC Health Services Research, 2022, 22, 639.	0.9	6
27	Constructing operating theatre schedules using partitioned graph colouring techniques. Health Systems, 2020, 10, 1-12.	0.9	5
28	Examining the diagnostic pathway for lung cancer patients in Wales using discrete event simulation. Translational Lung Cancer Research, 2021, 10, 1368-1382.	1.3	5
29	Needs-led human resource planning for Sierra Leone in support of oral health. Human Resources for Health, 2021, 19, 106.	1.1	5
30	Optimising the use of resources within the district nursing service: a case study. Health Systems, 2013, 2, 43-52.	0.9	4
31	Near real-time bed modelling feasibility study. Journal of Simulation, 2019, , 1-12.	1.0	4
32	Factors influencing the delivery of cancer pathways: a summary of the literature. Journal of Health Organization and Management, 2021, 35, 121-139.	0.6	4
33	A survey of OR/MS models on care planning for frail and elderly patients. Operations Research for Health Care, 2021, 31, 100325.	0.8	4
34	Resource optimization for cancer pathways with aggregate diagnostic demand: a perishable inventory approach. IMA Journal of Management Mathematics, 2021, 32, 221-236.	1.1	3
35	Modelling lung cancer diagnostic pathways using discrete event simulation. Journal of Simulation, 0, , 1-11.	1.0	3
36	Server behaviours in healthcare queueing systems. Journal of the Operational Research Society, 2020, 71, 1124-1136.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Special issue on healthcare behavioural OR. Journal of the Operational Research Society, 2020, 71, 1053-1054.	2.1	2
38	The development and application of a chairside oral health risk and need stratification tool in general dental services. Journal of Dentistry, 2022, 123, 104206.	1.7	2
39	Modelling of psoriasis patient flows for the reconfiguration of secondary care services and treatments. Health Systems, 2016, 5, 13-20.	0.9	1
40	A game theoretic model of the behavioural gaming that takes place at the EMS - ED interface. European Journal of Operational Research, 2023, 305, 1236-1258.	3.5	1
41	Determining patient outcomes from patient letters: A comparison of text analysis approaches. Journal of the Operational Research Society, 2019, 70, 1425-1439.	2.1	0
42	A conservative index heuristic for routing problems with multiple heterogeneous service facilities. Mathematical Methods of Operations Research, 2020, 92, 511-543.	0.4	0
43	Modelling changes in healthcare demand through geographic data extrapolation. Health Systems, 0, , 1-17.	0.9	0