Paul R Harper

List of Publications by Year
in descending order

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43	1,239	623734	377865
papers	citations	14 h-index	34 g-index

44	44	44	1317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An analysis of the academic literature on simulation and modelling in health care. Journal of Simulation, 2009, 3, 130-140.	1.5	338
2	A framework for operational modelling of hospital resources. Health Care Management Science, 2002, 5, 165-173.	2.6	204
3	A review and comparison of classification algorithms for medical decision making. Health Policy, 2005, 71, 315-331.	3.0	128
4	Combining discrete-event simulation and system dynamics in a healthcare setting: A composite model for Chlamydia infection. European Journal of Operational Research, 2014, 237, 196-206.	5.7	101
5	Simulation in health-care: lessons from other sectors. Operational Research, 2012, 12, 45-55.	2.0	49
6	Modelling the size and skill-mix of hospital nursing teams. Journal of the Operational Research Society, 2010, 61, 768-779.	3.4	47
7	Clinical pathway modelling: a literature review. Health Systems, 2021, 10, 1-23.	1.2	46
8	Costâ€effective workforce planning: optimising the dental team skillâ€mix for England. Journal of Enterprise Information Management, 2013, 26, 91-108.	7.5	27
9	Alternative scenarios: harnessing mid-level providers and evidence-based practice in primary dental care in England through operational research. Human Resources for Health, 2015, 13, 78.	3.1	27
10	Small world network models of the dynamics of HIV infection. Annals of Operations Research, 2010, 178, 173-200.	4.1	26
11	A review of implementation of behavioural aspects in the application of OR in healthcare. Journal of the Operational Research Society, 2020, 71, 1055-1072.	3.4	25
12	Selfish routing in public services. European Journal of Operational Research, 2013, 230, 122-132.	5.7	23
13	Ciw: An open-source discrete event simulation library. Journal of Simulation, 2019, 13, 68-82.	1.5	20
14	Modelling emergency medical services with phase-type distributions. Health Systems, 2012, 1, 58-68.	1.2	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. IISE Transactions on Healthcare Systems Engineering, 2020, 10, 200-211.	1.7	13
17	Modelling deadlock in open restricted queueing networks. European Journal of Operational Research, 2018, 266, 609-621.	5.7	11
18	Covid-19 transmission modelling of students returning home from university. Health Systems, 2021, 10, 31-40.	1.2	11

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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.	5.7	10
21	Modified Needlemanâ€“Wunsch algorithm for clinical pathway clustering. Journal of Biomedical Informatics, 2021, 115, 103668.	4.3	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.	2.6	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.	0.6	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.	3.4	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.	2.2	6
27	Constructing operating theatre schedules using partitioned graph colouring techniques. Health Systems, 2020, 10, 1-12.	1.2	5
28	Examining the diagnostic pathway for lung cancer patients in Wales using discrete event simulation. Translational Lung Cancer Research, 2021, 10, 1368-1382.	2.8	5
29	Needs-led human resource planning for Sierra Leone in support of oral health. Human Resources for Health, 2021, 19, 106.	3.1	5
30	Optimising the use of resources within the district nursing service: a case study. Health Systems, 2013, 2, 43-52.	1.2	4
31	Near real-time bed modelling feasibility study. Journal of Simulation, 2019, , 1-12.	1.5	4
32	Factors influencing the delivery of cancer pathways: a summary of the literature. Journal of Health Organization and Management, 2021, 35, 121-139.	1.3	4
33	A survey of OR/MS models on care planning for frail and elderly patients. Operations Research for Health Care, 2021, 31, 100325.	1.2	4
34	Resource optimization for cancer pathways with aggregate diagnostic demand: a perishable inventory approach. IMA Journal of Management Mathematics, 2021, 32, 221-236.	1.6	3
35	Modelling lung cancer diagnostic pathways using discrete event simulation. Journal of Simulation, 0, , 1-11.	1.5	3
36	Server behaviours in healthcare queueing systems. Journal of the Operational Research Society, 2020, 71, 1124-1136.	3.4	2

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37	Special issue on healthcare behavioural OR. Journal of the Operational Research Society, 2020, 71, 1053-1054.	3.4	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.	4.1	2
39	Modelling of psoriasis patient flows for the reconfiguration of secondary care services and treatments. Health Systems, 2016, 5, 13-20.	1.2	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.	5.7	1
41	Determining patient outcomes from patient letters: A comparison of text analysis approaches. Journal of the Operational Research Society, 2019, 70, 1425-1439.	3.4	0
42	A conservative index heuristic for routing problems with multiple heterogeneous service facilities. Mathematical Methods of Operations Research, 2020, 92, 511-543.	1.0	0
43	Modelling changes in healthcare demand through geographic data extrapolation. Health Systems, 0, , 1-17.	1.2	0