

Richard J Boucherie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

1,300
citations

18
h-index

33
g-index

94
ext. papers

1,487
ext. citations

1.8
avg, IF

4.41
L-index

#	Paper	IF	Citations
93	Making an Impact on Healthcare Logistics. <i>Profiles in Operations Research</i> , 2021 , 1-13	1	0
92	Real-time forecasting of COVID-19 bed occupancy in wards and Intensive Care Units. <i>Health Care Management Science</i> , 2021 , 24, 402-419	4	5
91	Implementing Algorithms to Reduce Ward Occupancy Fluctuation Through Advanced Planning. <i>Profiles in Operations Research</i> , 2021 , 129-150	1	
90	Bed Census Predictions and Nurse Staffing. <i>Profiles in Operations Research</i> , 2021 , 151-180	1	
89	A Markov Modelling Approach for Surgical Process Analysis in Cataract Surgery. <i>Profiles in Operations Research</i> , 2021 , 97-110	1	
88	Robust Surgery Scheduling: A Model-Based Overview. <i>Profiles in Operations Research</i> , 2021 , 37-56	1	
87	Non-cooperative queueing games on a network of single server queues. <i>Queueing Systems</i> , 2021 , 97, 279-301	1.7	0
86	A Survey of Literature Reviews on Patient Planning and Scheduling in Healthcare. <i>Profiles in Operations Research</i> , 2021 , 17-23	1	2
85	Transient analysis for exponential time-limited polling models under the preemptive repeat random policy. <i>Advances in Applied Probability</i> , 2020 , 52, 32-60	0.7	2
84	Analysis of polling models with a self-ruling server. <i>Queueing Systems</i> , 2020 , 94, 77-107	1.7	3
83	PERFORMANCE MEASURES FOR THE TWO-NODE QUEUE WITH FINITE BUFFERS. <i>Probability in the Engineering and Informational Sciences</i> , 2020 , 34, 522-549	0.6	
82	ONLINE CAPACITY PLANNING FOR REHABILITATION TREATMENTS: AN APPROXIMATE DYNAMIC PROGRAMMING APPROACH. <i>Probability in the Engineering and Informational Sciences</i> , 2020 , 34, 381-405	0.6	3
81	Necessary conditions for the compensation approach for a random walk in the quarter-plane. <i>Queueing Systems</i> , 2020 , 94, 257-277	1.7	1
80	Threshold Queueing to Describe the Fundamental Diagram of Uninterrupted Traffic. <i>Transportation Science</i> , 2019 , 53, 585-596	4.4	5
79	Minimizing Earliness/Tardiness costs on multiple machines with an application to surgery scheduling. <i>Operations Research for Health Care</i> , 2019 , 22, 100-194	1.8	5
78	Appointment scheduling with unscheduled arrivals and reprioritization. <i>Flexible Services and Manufacturing Journal</i> , 2018 , 30, 30-53	1.8	4
77	A TWO-ECHELON SPARE PARTS NETWORK WITH LATERAL AND EMERGENCY SHIPMENTS: A PRODUCT-FORM APPROXIMATION. <i>Probability in the Engineering and Informational Sciences</i> , 2018 , 32, 536-555	0.6	1

76	Static and dynamic appointment scheduling to improve patient access time. <i>Health Systems</i> , 2018 , 7, 148-159	2.3	3
75	Allocating Emergency Beds Improves the Emergency Admission Flow. <i>Interfaces</i> , 2018 , 48, 384-394	0.7	9
74	An interdiction game on a queueing network with multiple intruders. <i>European Journal of Operational Research</i> , 2017 , 260, 1069-1080	5.6	3
73	Transient detailed balance and product form for reaction networks. <i>Stochastic Models</i> , 2017 , 33, 322-341	0.5	
72	On a tandem queue with batch service and its applications in wireless sensor networks. <i>Queueing Systems</i> , 2017 , 87, 81-93	1.7	4
71	Rapid diagnoses at the breast center of Jeroen Bosch Hospital: a case study invoking queueing theory and discrete event simulation. <i>Health Systems</i> , 2017 , 6, 77-89	2.3	3
70	Assigning treatment rooms at the Emergency Department. <i>Operations Research for Health Care</i> , 2016 , 8, 62-70	1.8	2
69	Patient admission planning using Approximate Dynamic Programming. <i>Flexible Services and Manufacturing Journal</i> , 2016 , 28, 30-61	1.8	16
68	Invariant measures and error bounds for random walks in the quarter-plane based on sums of geometric terms. <i>Queueing Systems</i> , 2016 , 84, 21-48	1.7	6
67	THE INVARIANT MEASURE OF RANDOM WALKS IN THE QUARTER-PLANE: REPRESENTATION IN GEOMETRIC TERMS. <i>Probability in the Engineering and Informational Sciences</i> , 2015 , 29, 233-251	0.6	4
66	Integral resource capacity planning for inpatient care services based on bed census predictions by hour. <i>Journal of the Operational Research Society</i> , 2015 , 66, 1061-1076	2	11
65	Modeling the effect of short stay units on patient admissions. <i>Operations Research for Health Care</i> , 2015 , 5, 21-27	1.8	9
64	Reducing access times for radiation treatment by aligning the doctor's schemes. <i>Operations Research for Health Care</i> , 2015 , 7, 111-121	1.8	18
63	Designing cyclic appointment schedules for outpatient clinics with scheduled and unscheduled patient arrivals. <i>Performance Evaluation</i> , 2014 , 80, 5-26	1.2	29
62	Decentralized vs. centralized scheduling in wireless sensor networks for data fusion 2014 ,		2
61	DELAY IN A TANDEM QUEUEING MODEL WITH MOBILE QUEUES: AN ANALYTICAL APPROXIMATION. <i>Probability in the Engineering and Informational Sciences</i> , 2014 , 28, 363-387	0.6	1
60	Energy-delay tradeoff in a two-way relay with network coding. <i>Performance Evaluation</i> , 2013 , 70, 981-994	1.2	5
59	Tactical resource allocation and elective patient admission planning in care processes. <i>Health Care Management Science</i> , 2013 , 16, 152-66	4	37

58	Analytical models to determine room requirements in outpatient clinics. <i>OR Spectrum</i> , 2012 , 34, 391-405.	1.9	12
57	Time-limited polling systems with batch arrivals and phase-type service times. <i>Annals of Operations Research</i> , 2012 , 198, 57-82	3.2	13
56	Health care logistics and space: Accounting for the physical build environment 2012 ,		3
55	Queuing Networks in Health Care Systems. <i>Profiles in Operations Research</i> , 2012 , 201-243	1	4
54	A - and -invariant characterization of product form and decomposition in stochastic Petri nets. <i>Performance Evaluation</i> , 2012 , 69, 573-599	1.2	2
53	Taxonomic classification of planning decisions in health care: a structured review of the state of the art in OR/MS. <i>Health Systems</i> , 2012 , 1, 129-175	2.3	229
52	Efficiency evaluation for pooling resources in health care. <i>OR Spectrum</i> , 2012 , 34, 371-390	1.9	37
51	Accounting for inpatient wards when developing master surgical schedules. <i>Anesthesia and Analgesia</i> , 2011 , 112, 1472-9	3.9	29
50	ORchestra: an online reference database of OR/MS literature in health care. <i>Health Care Management Science</i> , 2011 , 14, 383-4	4	18
49	Planning and scheduling of semi-urgent surgeries. <i>Health Care Management Science</i> , 2010 , 13, 256-67	4	54
48	Monotonicity and error bounds for networks of Erlang loss queues. <i>Queueing Systems</i> , 2009 , 62, 159-193.	1.7	4
47	A polling model with an autonomous server. <i>Queueing Systems</i> , 2009 , 62, 279-308	1.7	16
46	Redesign of a university hospital preanesthesia evaluation clinic using a queuing theory approach. <i>Anesthesia and Analgesia</i> , 2009 , 109, 1612-21	3.9	30
45	Content-Based Routing in Networks with Time-Fluctuating Request Rates. <i>Lecture Notes in Computer Science</i> , 2009 , 75-90	0.9	
44	Managing the overflow of intensive care patients. <i>European Journal of Operational Research</i> , 2008 , 185, 998-1010	5.6	95
43	Throughputs in processor sharing models for integrated stream and elastic traffic. <i>Performance Evaluation</i> , 2008 , 65, 152-180	1.2	14
42	A Tandem Queueing Model for Delay Analysis in Disconnected Ad Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 189-205	0.9	9
41	Optimal Joint Rate and Power Allocation in CDMA Networks 2007 , 201-210		

40	An Upper Bound on Multi-hop Wireless Network Performance. <i>Lecture Notes in Computer Science</i> , 2007 , 335-347	0.9	1
39	Insensitive bounds for the moments of the sojourn time distribution in the M/G/1 processor-sharing queue. <i>Queueing Systems</i> , 2006 , 53, 7-18	1.7	13
38	An analytical model for CDMA downlink rate optimization taking into account uplink coverage restrictions. <i>Performance Evaluation</i> , 2005 , 59, 225-246	1.2	3
37	Decomposing the queue length distribution of processor-sharing models into queue lengths of permanent customer queues. <i>Performance Evaluation</i> , 2005 , 62, 100-116	1.2	10
36	Analysis of flow transfer times in IEEE 802.11 wireless LANs. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2004 , 59, 1407-1432	2	10
35	Arrival first queueing networks with applications in kanban production systems. <i>Performance Evaluation</i> , 2003 , 51, 83-102	1.2	4
34	Elastic calls in an integrated services network: the greater the call size variability the better the QoS. <i>Performance Evaluation</i> , 2003 , 52, 193-220	1.2	24
33	On the distribution of calls in a wireless network driven by fluid traffic. <i>European Journal of Operational Research</i> , 2003 , 147, 146-155	5.6	3
32	Transient handover blocking probabilities in road covering cellular mobile networks. <i>Computer Networks</i> , 2003 , 42, 537-550	5.4	3
31	A solvable queueing network model for railway networks and its validation and applications for the Netherlands. <i>European Journal of Operational Research</i> , 2002 , 142, 30-51	5.6	42
30	Performance Analysis of Fair Channel Sharing Policies in an Integrated Cellular Voice/Data Network. <i>Telecommunication Systems</i> , 2002 , 19, 147-186	2.3	7
29	Blocking Probabilities in Mobile Communications Networks with Time-Varying Rates and Redialing Subscribers. <i>Annals of Operations Research</i> , 2002 , 112, 15-34	3.2	11
28	The sojourn time distribution in an infinite server resequencing queue with dependent interarrival and service times. <i>Journal of Applied Probability</i> , 2002 , 39, 590-603	0.8	2
27	The sojourn time distribution in an infinite server resequencing queue with dependent interarrival and service times. <i>Journal of Applied Probability</i> , 2002 , 39, 590-603	0.8	3
26	Running times on railway sections with heterogeneous train traffic. <i>Transportation Research Part B: Methodological</i> , 2001 , 35, 271-292	7.2	68
25	NORTON'S THEOREM FOR BATCH ROUTING QUEUEING NETWORKS. <i>Stochastic Models</i> , 2001 , 17, 39-60	0.5	1
24	ASYMPTOTIC EVALUATION OF BLOCKING PROBABILITIES IN A HIERARCHICAL CELLULAR MOBILE NETWORK. <i>Probability in the Engineering and Informational Sciences</i> , 2000 , 14, 81-99	0.6	1
23	On a Queueing Network Model for Cellular Mobile Telecommunications Networks. <i>Operations Research</i> , 2000 , 48, 38-49	2.3	19

22	Estimation of performance measures for product form cellular mobile communications networks. <i>Telecommunication Systems</i> , 1998 , 10, 321-354	2.3	14
21	Norton's equivalent for queueing networks comprised of quasireversible components linked by state-dependent routing. <i>Performance Evaluation</i> , 1998 , 32, 83-99	1.2	8
20	On the arrival theorem for queueing networks operating under a just-in-time protocol. <i>Performance Evaluation</i> , 1998 , 34, 109-121	1.2	1
19	Norton's equivalent for batch routing queueing networks with independently routing customers. <i>Stochastic Models</i> , 1998 , 14, 1091-1112		2
18	On closed support T-Invariants and the traffic equations. <i>Journal of Applied Probability</i> , 1998 , 35, 473-481	0.8	5
17	On closed support T-Invariants and the traffic equations. <i>Journal of Applied Probability</i> , 1998 , 35, 473-481	0.8	12
16	A Note on Negative Customers, GI/G/1 Workload, and Risk Processes. <i>Probability in the Engineering and Informational Sciences</i> , 1997 , 11, 305-311	0.6	38
15	On the arrival theorem for product form queueing networks with blocking. <i>Performance Evaluation</i> , 1997 , 29, 155-176	1.2	14
14	Batch Routing Queueing Networks with Jump-Over Blocking. <i>Probability in the Engineering and Informational Sciences</i> , 1996 , 10, 287-297	0.6	4
13	The Workload in the M/G/1 Queue with Work Removal. <i>Probability in the Engineering and Informational Sciences</i> , 1996 , 10, 261-277	0.6	48
12	Product forms based on backward traffic equations. <i>Journal of Applied Probability</i> , 1995 , 32, 508-518	0.8	
11	Product forms based on backward traffic equations. <i>Journal of Applied Probability</i> , 1995 , 32, 508-518	0.8	3
10	Local balance in queueing networks with positive and negative customers. <i>Annals of Operations Research</i> , 1994 , 48, 463-492	3.2	18
9	Aggregation of Markov chains. <i>Stochastic Processes and Their Applications</i> , 1993 , 45, 95-114	1.1	2
8	A generalization of Norton's theorem for queueing networks. <i>Queueing Systems</i> , 1993 , 13, 251-289	1.7	19
7	Transient product form distributions in queueing networks. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 1993 , 3, 375-396	1	13
6	Product forms for queueing networks with state-dependent multiple job transitions. <i>Advances in Applied Probability</i> , 1991 , 23, 152-187	0.7	32
5	Product forms for queueing networks with state-dependent multiple job transitions. <i>Advances in Applied Probability</i> , 1991 , 23, 152-187	0.7	58

4	Spatial birth-death processes with multiple changes and applications to batch service networks and clustering processes. <i>Advances in Applied Probability</i> , 1990 , 22, 433-455	0.7	18
3	Outpatient clinic scheduling with limited waiting area capacity. <i>Journal of the Operational Research Society</i> ,1-22	2	4
2	A successive censoring algorithm for a system of connected LDQBD-processes. <i>Annals of Operations Research</i> ,1	3.2	
1	Norton's theorem and insensitivity. <i>Queueing Systems</i> ,1	1.7	