

Ivo Adan

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,796
citations

304701

22
h-index

289230

40
g-index

70
all docs

70
docs citations

70
times ranked

845
citing authors

#	ARTICLE	IF	CITATIONS
1	Production, maintenance and resource scheduling: A review. European Journal of Operational Research, 2023, 305, 501-529.	5.7	26
2	Optimising the fermentation throughput in biomanufacturing with bleedâ€“feed. International Journal of Production Research, 2023, 61, 427-446.	7.5	1
3	Genetic algorithm and decision support for assembly line balancing in the automotive industry. International Journal of Production Research, 2023, 61, 3377-3395.	7.5	1
4	Two perishable inventory systems with one-way substitution. Annals of Operations Research, 2022, 317, 107-128.	4.1	2
5	A matheuristic for AGV scheduling with battery constraints. European Journal of Operational Research, 2022, 298, 855-873.	5.7	47
6	Fast and accurate quantitative business process analysis using feature complete queueing models. Information Systems, 2022, 104, 101892.	3.6	3
7	Throughput control and revenue optimization of a poultry product batcher. IIE Transactions, 2022, 54, 845-857.	2.4	1
8	Optimal production decisions in biopharmaceutical fill-and-finish operations. IIE Transactions, 2021, 53, 149-163.	2.4	4
9	A matheuristic for parallel machine scheduling with tool replacements. European Journal of Operational Research, 2021, 291, 640-660.	5.7	23
10	Scheduling heterogeneous multi-load AGVs with battery constraints. Computers and Operations Research, 2021, 136, 105517.	4.0	23
11	Capacity Analysis of Sequential Zone Picking Systems. Operations Research, 2020, 68, 161-179.	1.9	21
12	Time-based service constraints for inventory systems with commitment lead time. OR Spectrum, 2020, 42, 355-395.	3.4	2
13	Optimal control policies for assemble-to-order systems with commitment lead time. IIE Transactions, 2019, 51, 1365-1382.	2.4	5
14	The M /G /1 queue with vacations and exhaustive service. European Journal of Operational Research, 2019, 277, 945-952.	5.7	2
15	On first-come, first-served queues with two classes of impatient customers. Queueing Systems, 2019, 91, 113-142.	0.9	12
16	Optimal control policies for an inventory system with commitment lead time. Naval Research Logistics, 2019, 66, 193-212.	2.2	8
17	Throughput Control and Giveaway Minimization of a Poultry Product Batcher. , 2019, , .		1
18	Setting optimal planned leadtimes in configure-to-order assembly systems. European Journal of Operational Research, 2019, 273, 585-595.	5.7	16

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19	Robot-storage zone assignment strategies in mobile fulfillment systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 122, 119-142.	7.4	95
20	Reliability optimization for series systems under uncertain component failure rates in the design phase. <i>International Journal of Production Economics</i> , 2018, 196, 163-175.	8.9	17
21	FCFS parallel service systems and matching models. <i>Performance Evaluation</i> , 2018, 127-128, 253-272.	1.2	64
22	Advanced Queueing Models for Quantitative Business Process Analysis. , 2018, , .		2
23	Reversibility and Further Properties of FCFS Infinite Bipartite Matching. <i>Mathematics of Operations Research</i> , 2018, 43, 598-621.	1.3	66
24	Assemble-to-order systems: A review. <i>European Journal of Operational Research</i> , 2017, 261, 866-879.	5.7	56
25	A rate balance principle and its application to queueing models. <i>Queueing Systems</i> , 2017, 87, 95-111.	0.9	10
26	Control and design of the fillet batching process in a poultry processing plant. , 2017, , .		6
27	FCFS Parallel Service Systems and Matching Models. , 2017, , .		3
28	Steady-state analysis of shortest expected delay routing. <i>Queueing Systems</i> , 2016, 84, 309-354.	0.9	26
29	Stochastic bounds for order flow times in parts-to-picker warehouses with remotely located order-picking workstations. <i>European Journal of Operational Research</i> , 2016, 254, 895-906.	5.7	18
30	Joint queue length distribution of multi-class, single-server queues with preemptive priorities. <i>Queueing Systems</i> , 2015, 81, 379-395.	0.9	16
31	A Skill Based Parallel Service System Under FCFS-ALIS " Steady State, Overloads, and Abandonments. <i>Stochastic Systems</i> , 2014, 4, 250-299.	1.1	77
32	Performance Analysis of Exponential Multi-Server Production Lines with Fluid Flow and Finite Buffers. <i>Stochastic Models</i> , 2014, 30, 469-493.	0.5	4
33	Queues with skill based parallel servers and a FCFS infinite matching model. <i>Performance Evaluation Review</i> , 2014, 41, 22-24.	0.6	2
34	ANALYTIC PROPERTIES OF TWO-CAROUSEL SYSTEMS. <i>Probability in the Engineering and Informational Sciences</i> , 2013, 27, 57-84.	0.8	0
35	Design and evaluation of overloaded service systems with skill based routing, under FCFS policies. <i>Performance Evaluation</i> , 2013, 70, 873-888.	1.2	6
36	A LOSS SYSTEM WITH SKILL-BASED SERVERS UNDER ASSIGN TO LONGEST IDLE SERVER POLICY. <i>Probability in the Engineering and Informational Sciences</i> , 2012, 26, 307-321.	0.8	52

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37	Exact FCFS Matching Rates for Two Infinite Multitype Sequences. <i>Operations Research</i> , 2012, 60, 475-489.	1.9	110
38	Inventory rationing for a system with heterogeneous customer classes. <i>Flexible Services and Manufacturing Journal</i> , 2012, 26, 344.	3.4	6
39	A product form solution to a system with multi-type jobs and multi-type servers. <i>Queueing Systems</i> , 2012, 70, 269-298.	0.9	87
40	Patient mix optimisation for inpatient planning with multiple resources. <i>Profiles in Operations Research</i> , 2012, , 213-236.	0.4	1
41	Conditional inter-departure times from the M/G/s queue. <i>Queueing Systems</i> , 2011, 68, 353-360.	0.9	4
42	Improving operational effectiveness of tactical master plans for emergency and elective patients under stochastic demand and capacitated resources. <i>European Journal of Operational Research</i> , 2011, 213, 290-308.	5.7	68
43	The academic merits of modelling in higher mathematics education: A case study. <i>Mathematics Education Research Journal</i> , 2010, 22, 121-140.	1.7	4
44	Server farms with setup costs. <i>Performance Evaluation</i> , 2010, 67, 1123-1138.	1.2	134
45	A REVERSIBLE ERLANG LOSS SYSTEM WITH MULTITYPE CUSTOMERS AND MULTITYPE SERVERS. <i>Probability in the Engineering and Informational Sciences</i> , 2010, 24, 535-548.	0.8	45
46	Conditional Ages and Residual Service Times in the M/G/1 Queue. <i>Stochastic Models</i> , 2009, 25, 110-128.	0.5	10
47	On a generic class of two-node queueing systems. <i>Queueing Systems</i> , 2009, 61, 37-63.	0.9	4
48	Synchronized reneging in queueing systems with vacations. <i>Queueing Systems</i> , 2009, 62, 1-33.	0.9	34
49	Exact asymptotics for the stationary distribution of a Markov chain: a production model. <i>Queueing Systems</i> , 2009, 62, 311-344.	0.9	23
50	Patient mix optimisation and stochastic resource requirements: A case study in cardiothoracic surgery planning. <i>Health Care Management Science</i> , 2009, 12, 129-141.	2.6	104
51	Analysis of a tandem network model of a single-router Network-on-Chip. <i>Annals of Operations Research</i> , 2008, 162, 19-34.	4.1	5
52	Analysis of a simple Markovian re-entrant line with infinite supply of work under the LBFS policy. <i>Queueing Systems</i> , 2006, 54, 169-183.	0.9	52
53	The G/M/1 queue revisited. <i>Mathematical Methods of Operations Research</i> , 2005, 62, 437-452.	1.0	25
54	A TWO-NODE JACKSON NETWORK WITH INFINITE SUPPLY OF WORK. <i>Probability in the Engineering and Informational Sciences</i> , 2005, 19, 191-212.	0.8	46

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55	WAITING TIME CHARACTERISTICS IN CYCLIC QUEUES. Probability in the Engineering and Informational Sciences, 2004, 18, .	0.8	0
56	On a class of order pick strategies in paternosters. Operations Research Letters, 2002, 30, 377-386.	0.7	12
57	The travel time in carousel systems under the nearest item heuristic. Journal of Applied Probability, 2001, 38, 45-54.	0.7	21
58	A two-level traffic shaper for an onâ€“off source. Performance Evaluation, 2000, 42, 279-298.	1.2	12
59	A trade off between emergency repair and inventory investment. IIE Transactions, 1998, 30, 119-132.	2.1	1
60	The M/M/c with critical jobs. Mathematical Methods of Operations Research, 1998, 47, 341-353.	1.0	3
61	A trade off between emergency repair and inventory investment. IIE Transactions, 1998, 30, 119-132.	2.1	29
62	The symmetric longest queue system. Stochastic Models, 1997, 13, 105-120.	0.3	15
63	Simple analysis of a fluid queue driven by an M/M/1 queue. Queueing Systems, 1996, 22, 171-174.	0.9	46
64	Shortest expected delay routing for Erlang servers. Queueing Systems, 1996, 23, 77-105.	0.9	7
65	Analyzing GI/Er/1 queues. Operations Research Letters, 1996, 19, 183-190.	0.7	15
66	Fitting Discrete Distributions on the First Two Moments. Probability in the Engineering and Informational Sciences, 1995, 9, 623-632.	0.8	54
67	Upper and lower bounds for the waiting time in the symmetric shortest queue system. Annals of Operations Research, 1994, 48, 197-217.	4.1	75
68	Monotonicity of the Throughput of a Closed Queueing Network in the Number of Jobs. Operations Research, 1989, 37, 953-957.	1.9	25
69	Increasing Biomanufacturing Yield with Bleed-Feed: Optimal Policies and Insights. SSRN Electronic Journal, 0, , .	0.4	1
70	Parking game. Queueing Systems, 0, , 1.	0.9	0