

Wallace J Hopp

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,663
citations

117571

34
h-index

106281

65
g-index

82
all docs

82
docs citations

82
times ranked

3011
citing authors

#	ARTICLE	IF	CITATIONS
1	Quoting Customer Lead Times. <i>Management Science</i> , 1995, 41, 43-57.	2.4	415
2	To Pull or Not to Pull: What Is the Question?. <i>Manufacturing and Service Operations Management</i> , 2004, 6, 133-148.	2.3	406
3	On the Interface Between Operations and Human Resources Management. <i>Manufacturing and Service Operations Management</i> , 2003, 5, 179-202.	2.3	365
4	Due date setting with supply constraints in systems using MRP. <i>Computers and Industrial Engineering</i> , 2001, 39, 293-305.	3.4	300
5	Benefits of Skill Chaining in Serial Production Lines with Cross-Trained Workers. <i>Management Science</i> , 2004, 50, 83-98.	2.4	246
6	Agile workforce evaluation: a framework for cross-training and coordination. <i>IIE Transactions</i> , 2004, 36, 919-940.	2.1	240
7	The Impact of Misalignment of Organizational Structure and Product Architecture on Quality in Complex Product Development. <i>Management Science</i> , 2010, 56, 468-484.	2.4	157
8	Operations Systems with Discretionary Task Completion. <i>Management Science</i> , 2007, 53, 61-77.	2.4	148
9	Patient Streaming as a Mechanism for Improving Responsiveness in Emergency Departments. <i>Operations Research</i> , 2012, 60, 1080-1097.	1.2	138
10	Performance opportunity for workforce agility in collaborative and noncollaborative work systems. <i>IIE Transactions</i> , 2001, 33, 761-777.	2.1	127
11	Product Line Selection and Pricing with Modularity in Design. <i>Manufacturing and Service Operations Management</i> , 2005, 7, 172-187.	2.3	115
12	Complexity-Augmented Triage: A Tool for Improving Patient Safety and Operational Efficiency. <i>Manufacturing and Service Operations Management</i> , 2014, 16, 329-345.	2.3	101
13	Trust and Information Sharing in Supply Chains. <i>Production and Operations Management</i> , 2012, 21, 444-464.	2.1	94
14	Managing White-Collar Work: An Operations-Oriented Survey. <i>Production and Operations Management</i> , 2009, 18, 1-32.	2.1	91
15	A model for equipment replacement due to technological obsolescence. <i>European Journal of Operational Research</i> , 1992, 63, 207-221.	3.5	81
16	A Static Approximation for Dynamic Demand Substitution with Applications in a Competitive Market. <i>Operations Research</i> , 2008, 56, 630-645.	1.2	79
17	Bounds and heuristics for assembly-like queues. <i>Queueing Systems</i> , 1989, 4, 137-155.	0.6	75
18	Quoting manufacturing due dates subject to a service level constraint. <i>IIE Transactions</i> , 2000, 32, 771-784.	2.1	64

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19	Fifty Years of Management Science. <i>Management Science</i> , 2004, 50, 1-7.	2.4	61
20	The lenses of lean: Visioning the science and practice of efficiency. <i>Journal of Operations Management</i> , 2021, 67, 610-626.	3.3	58
21	A New Optimality Criterion for Nonhomogeneous Markov Decision Processes. <i>Operations Research</i> , 1987, 35, 875-883.	1.2	56
22	Easily Implementable Inventory Control Policies. <i>Operations Research</i> , 1997, 45, 327-340.	1.2	55
23	Pooling strategies for call center agent cross-training. <i>IIE Transactions</i> , 2009, 41, 546-561.	2.1	51
24	Big Data and the Precision Medicine Revolution. <i>Production and Operations Management</i> , 2018, 27, 1647-1664.	2.1	50
25	A Monopolistic and Oligopolistic Stochastic Flow Revenue Management Model. <i>Operations Research</i> , 2006, 54, 1098-1109.	1.2	48
26	Incentivizing resilient supply chain design to prevent drug shortages: policy analysis using two- and multi-stage stochastic programs. <i>IIE Transactions</i> , 2020, 52, 394-412.	1.6	46
27	Characterizing the Output Process of a CONWIP Line with Deterministic Processing and Random Outages. <i>Management Science</i> , 1993, 39, 975-988.	2.4	45
28	An easily implementable hierarchical heuristic for a two-echelon spare parts distribution system. <i>IIE Transactions</i> , 1999, 31, 977-988.	2.1	43
29	Positive lean: merging the science of efficiency with the psychology of work. <i>International Journal of Production Research</i> , 2018, 56, 398-413.	4.9	41
30	Forecast horizons and dynamic facility location planning. <i>Annals of Operations Research</i> , 1992, 40, 125-151.	2.6	40
31	CONWIP ASSEMBLY WITH DETERMINISTIC PROCESSING AND RANDOM OUTAGES. <i>IIE Transactions</i> , 1992, 24, 97-109.	2.1	37
32	Estimating the throughput of an exponential CONWIP assembly system. <i>Queueing Systems</i> , 1993, 14, 135-157.	0.6	37
33	Ten Most Influential Papers of Management Science's First Fifty Years. <i>Management Science</i> , 2004, 50, 1763-1763.	2.4	36
34	Workload Management in Telemedical Physician Triage and Other Knowledge-Based Service Systems. <i>Management Science</i> , 2018, 64, 5180-5197.	2.4	36
35	Machine Maintenance with Multiple Maintenance Actions. <i>IIE Transactions</i> , 1990, 22, 226-233.	2.1	35
36	Spreadsheet Implementable Inventory Control for a Distribution Center. <i>Journal of Heuristics</i> , 2001, 7, 185-203.	1.1	34

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37	MARKOVIAN DETERIORATION AND TECHNOLOGICAL CHANGE. IIE Transactions, 1994, 26, 74-82.	2.1	33
38	Estimating variance of output from cyclic exponential queueing systems. Queueing Systems, 1990, 7, 337-353.	0.6	32
39	Hierarchical cross-training in work-in-process-constrained systems. IIE Transactions, 2007, 39, 125-143.	2.1	32
40	Optimal inventory control in a production flow system with failures. International Journal of Production Research, 1989, 27, 1367-1384.	4.9	27
41	Vertical Flexibility in Supply Chains. Management Science, 2010, 56, 495-502.	2.4	25
42	Production Quotas as Bounds on Interplant JIT Contracts. Management Science, 1997, 43, 1372-1386.	2.4	24
43	A Simple, Robust Leadtime-Quoting Policy. Manufacturing and Service Operations Management, 2001, 3, 321-336.	2.3	24
44	Technical Note—Price Trends in a Dynamic Pricing Model with Heterogeneous Customers: A Martingale Perspective. Operations Research, 2009, 57, 1298-1302.	1.2	23
45	ECONOMIC PRODUCTION QUOTAS FOR PULL MANUFACTURING SYSTEMS. IIE Transactions, 1993, 25, 71-79.	2.1	22
46	Using Patient-Specific Quality Information to Unlock Hidden Healthcare Capabilities. Manufacturing and Service Operations Management, 2019, 21, 582-601.	2.3	22
47	A Stopping Rule for Forecasting Horizons in Nonhomogeneous Markov Decision Processes. Operations Research, 1992, 40, 1188-1199.	1.2	20
48	In—House Globalization: The Role of Globally Distributed Design and Product Architecture on Product Development Performance. Production and Operations Management, 2013, 22, 1509-1523.	2.1	20
49	Technical Note—Identifying Forecast Horizons in Nonhomogeneous Markov Decision Processes. Operations Research, 1989, 37, 339-343.	1.2	19
50	Using an optimized queueing network model to support wafer fab design. IIE Transactions, 2002, 34, 119-130.	2.1	19
51	A Diagnostic Tree for Improving Production Line Performance. Production and Operations Management, 2007, 16, 77-92.	2.1	19
52	Availability and Average Inventory of Balanced Assembly-Like Flow Systems. IIE Transactions, 1991, 23, 161-168.	2.1	18
53	Stationary dual prices and depreciation. Mathematical Programming, 1988, 41, 357-366.	1.6	17
54	A Sequential Model of R&D Investment Over an Unbounded Time Horizon. Management Science, 1987, 33, 500-508.	2.4	16

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55	Can Public Reporting Cure Healthcare? The Role of Quality Transparency in Improving Patientâ€™Provider Alignment. <i>Operations Research</i> , 2020, 68, 71-92.	1.2	16
56	Continuous-risk Utility Assessment in Medical Decision Making. <i>Medical Decision Making</i> , 1991, 11, 294-304.	1.2	15
57	Looking inward: The impact of operative time on graft survival after liver transplantation. <i>Surgery</i> , 2017, 162, 937-949.	1.0	15
58	Throughput and average inventory in discrete balanced assembly systems. <i>IIE Transactions</i> , 1995, 27, 368-373.	2.1	14
59	Serial Agile Production Systems with Automation. <i>Operations Research</i> , 2005, 53, 852-866.	1.2	14
60	The Case for a Unified Science of Operations. <i>Production and Operations Management</i> , 2021, 30, 802-814.	2.1	14
61	Design and control of agile automated CONWIP production lines. <i>Naval Research Logistics</i> , 2009, 56, 42-56.	1.4	10
62	An Instrumental Variable Tree Approach for Detecting Heterogeneous Treatment Effects in Observational Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	10
63	A structured overview of insights and opportunities for enhancing supply chain resilience. <i>IIE Transactions</i> , 2023, 55, 57-74.	1.6	10
64	Benefits of Skill Chaining in Production Lines with Cross-Trained Workers: An Extended Abstract. <i>Manufacturing and Service Operations Management</i> , 2002, 4, 17-20.	2.3	9
65	Factors affecting opportunity of worksharing as a dynamic line balancing mechanism. <i>IIE Transactions</i> , 2002, 34, 847-863.	2.1	9
66	An Instrumental Variable Forest Approach for Detecting Heterogeneous Treatment Effects in Observational Studies. <i>Management Science</i> , 0, , .	2.4	8
67	Optimal design of stochastic production lines: a dynamic programming approach. <i>IIE Transactions</i> , 2002, 34, 891-903.	2.1	7
68	Hospital Quality and Patient Choice: An Empirical Analysis of Mitral Valve Surgery. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7
69	Household water conservation: The role of indirect energy savings. <i>Energy</i> , 1980, 5, 1183-1192.	4.5	6
70	A simple linear heuristic for the service constrained random yield problem. <i>IIE Transactions</i> , 2002, 34, 479-487.	2.1	5
71	<i>Management Science</i> and the Science of Management. <i>Management Science</i> , 2008, 54, 1961-1962.	2.4	5
72	Pausing transplants in the face of a global pandemic: Patient survival implications. <i>Production and Operations Management</i> , 2023, 32, 1380-1396.	2.1	5

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73	Stable Economic Depreciation Neutral Replacement Decisions. <i>Engineering Economist</i> , 1989, 34, 115-128.	0.3	4
74	Management Science: The Legacy of the Past and Challenge of the Future. <i>Management Science</i> , 2020, , .	2.4	4
75	Innovating under Pressure: Towards a Science of Crisis Management. <i>Innovation Policy and the Economy</i> , 2006, 7, 125-154.	6.1	3
76	Can Public Reporting Cure Healthcare? The Role of Quality Transparency in Improving Patient-Provider Alignment. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
77	Generalized Imputed Salvage Values. <i>Engineering Economist</i> , 1990, 35, 215-229.	0.3	2
78	Stable economic depreciation. <i>Operations Research Letters</i> , 1990, 9, 325-333.	0.5	2
79	Risk-sensitive sizing of responsive facilities. <i>Naval Research Logistics</i> , 2008, 55, 218-233.	1.4	1
80	Economic Analysis and Long-term Follow-up of Distant Referral for Degenerative Mitral Valve Repair. <i>Annals of Thoracic Surgery</i> , 2021, 111, 479-486.	0.7	1
81	Statement from the Editor Regarding "Properties of the Social Discount Rate in a Benthamite Framework with Heterogeneous Degrees of Impatience". <i>Management Science</i> , 2008, 54, 1827-1827.	2.4	0