

J George Shanthikumar

List of Publications by Citations

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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.

61
papers

1,297
citations

21
h-index

34
g-index

73
ext. papers

1,612
ext. citations

2.4
avg, IF

4.85
L-index

#	Paper	IF	Citations
61	How Research in Production and Operations Management May Evolve in the Era of Big Data. <i>Production and Operations Management</i> , 2018 , 27, 1670-1684	3.6	91
60	Queueing Theory for Semiconductor Manufacturing Systems: A Survey and Open Problems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2007 , 4, 513-522	4.9	91
59	Two Variability Orders. <i>Probability in the Engineering and Informational Sciences</i> , 1998 , 12, 1-23	0.6	90
58	A Psychological Perspective on Service Segmentation Models: The Significance of Accounting for Consumers' Perceptions of Waiting and Service. <i>Management Science</i> , 1995 , 41, 1806-1815	3.9	82
57	Design of manufacturing systems using queueing models. <i>Queueing Systems</i> , 1992 , 12, 135-213	1.7	71
56	Determination of Optimal Buffer Storage Capacities and Optimal Allocation in Multistage Automatic Transfer Lines. <i>IIE Transactions</i> , 1989 , 21, 130-135		65
55	COMBINED PRODUCTION AND MAINTENANCE SCHEDULING FOR A MULTIPLE-PRODUCT, SINGLE-MACHINE PRODUCTION SYSTEM. <i>Production and Operations Management</i> , 2009 , 9, 379-399	3.6	62
54	A GENERAL APPROACH FOR COORDINATING PRODUCTION IN MULTIPLE-CELL MANUFACTURING SYSTEMS. <i>Production and Operations Management</i> , 2009 , 1, 34-52	3.6	59
53	Regularity of Stochastic Processes: A Theory Based on Directional Convexity. <i>Probability in the Engineering and Informational Sciences</i> , 1993 , 7, 343-360	0.6	59
52	Approximations for the time spent in a dynamic job shop with applications to due-date assignment. <i>International Journal of Production Research</i> , 1988 , 26, 1329-1352	7.8	52
51	The multivariate hazard construction. <i>Stochastic Processes and Their Applications</i> , 1987 , 24, 241-258	1.1	48
50	The patient assignment problem in home health care: using a data-driven method to estimate the travel times of care givers. <i>Flexible Services and Manufacturing Journal</i> , 2016 , 28, 304-335	1.8	40
49	Coordinating production quantities and demand forecasts through penalty schemes. <i>IIE Transactions</i> , 1999 , 31, 851-864		37
48	Multivariate Stochastic Orderings and Positive Dependence in Reliability Theory. <i>Mathematics of Operations Research</i> , 1990 , 15, 545-552	1.5	35
47	Multivariate hazard rates and stochastic ordering. <i>Advances in Applied Probability</i> , 1987 , 19, 123-137	0.7	27
46	INTRINSIC AGING AND CLASSES OF NONPARAMETRIC DISTRIBUTIONS. <i>Probability in the Engineering and Informational Sciences</i> , 2009 , 23, 563-582	0.6	24
45	Optimal Design of Internet-Based Auctions. <i>Information Technology and Management</i> , 2001 , 2, 121-163	1.8	24

44	Supply and Demand Functions in Inventory Models. <i>Operations Research</i> , 2018 , 66, 77-91	2.3	23
43	Staffing decisions for heterogeneous workers with turnover. <i>Mathematical Methods of Operations Research</i> , 2005 , 62, 499-514	1	23
42	The Effects of Subsidies on Increasing Consumption through For-Profit and Not-For-Profit Newsvendors. <i>Production and Operations Management</i> , 2017 , 26, 1191-1206	3.6	22
41	Dynamic multivariate mean residual life functions. <i>Journal of Applied Probability</i> , 1991 , 28, 613-629	0.8	22
40	Multivariate conditional hazard rate functions: An overview. <i>Applied Stochastic Models in Business and Industry</i> , 2015 , 31, 285-296	1.1	17
39	Fluid limits and diffusion approximations for networks of multi-server queues in heavy traffic. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 1994 , 4, 269-291	1	16
38	Incentive for Peer-to-Peer Knowledge Sharing among Farmers in Developing Economies. <i>Production and Operations Management</i> , 2015 , 24, n/a-n/a	3.6	15
37	Multivariate conditional hazard rates and the MIFRA and MIFR properties. <i>Journal of Applied Probability</i> , 1988 , 25, 150-168	0.8	15
36	Comparing the Variability of Random Variables and Point Processes. <i>Probability in the Engineering and Informational Sciences</i> , 1998 , 12, 425-444	0.6	14
35	Inventory Policy with Parametric Demand: Operational Statistics, Linear Correction, and Regression. <i>Production and Operations Management</i> , 2012 , 21, 291-308	3.6	11
34	Introduction to the Special Issue on Perspectives on Big Data. <i>Production and Operations Management</i> , 2018 , 27, 1639-1641	3.6	11
33	Combining simulation experiments and analytical models with area-based accuracy for performance evaluation of manufacturing systems. <i>IIE Transactions</i> , 2019 , 51, 266-283	3.3	10
32	Comparing ordered-entry queues with heterogeneous servers. <i>Queueing Systems</i> , 1987 , 2, 235-244	1.7	10
31	Multivariate conditional hazard rates and the MIFRA and MIFR properties. <i>Journal of Applied Probability</i> , 1988 , 25, 150-168	0.8	10
30	Not-for-Profit Operations Management 2017 , 510-526		10
29	Posted Pricing vs. Bargaining in Sequential Selling Process. <i>Operations Research</i> , 2018 , 66, 92-103	2.3	9
28	Level crossing analysis of priority queues and a conservation identity for vacation models. <i>Naval Research Logistics</i> , 1989 , 36, 797-806	1.5	9
27	Integrating Dynamic Pricing with Inventory Decisions Under Lost Sales. <i>Management Science</i> , 2020 , 66, 2232-2247	3.9	9

26	Dynamic Multisourcing with Dependent Supplies. <i>Management Science</i> , 2019 , 65, 2770-2786	3.9	8
25	PRICING EXOTIC OPTIONS. <i>Probability in the Engineering and Informational Sciences</i> , 2000 , 14, 317-326	0.6	8
24	Special issue editorial: Smart supply chains and intelligent logistics services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 147, 102256	9	8
23	A Newsvendor Who Chooses Informational Effort. <i>Production and Operations Management</i> , 2015 , 24, 110-133	3.6	7
22	The total hazard construction, antithetic variates and simulation of stochastic systems. <i>Stochastic Models</i> , 1986 , 2, 237-249		7
21	A method for cycle time estimation of semiconductor manufacturing toolsets with correlations 2009 ,		6
20	Technical note Operational statistics: Properties and the risk-averse case. <i>Naval Research Logistics</i> , 2015 , 62, 206-214	1.5	5
19	INEQUALITIES BETWEEN EVENT AND TIME AVERAGES. <i>Probability in the Engineering and Informational Sciences</i> , 1999 , 13, 293-308	0.6	5
18	Some Pitfalls of Black Box Queue Inference: The Case of State-Dependent Server Queues. <i>Probability in the Engineering and Informational Sciences</i> , 1993 , 7, 149-157	0.6	4
17	John A. Buzacott and His Pioneering Contributions to Manufacturing and Service Systems. <i>Production and Operations Management</i> , 2009 , 16, 657-664	3.6	3
16	General queueing networks: Representation and stochastic monotonicity 1987 ,		3
15	Arrangement Increasing Resource Allocation. <i>Methodology and Computing in Applied Probability</i> , 2018 , 20, 935-955	0.6	3
14	Implementing Environmental and Social Responsibility Programs in Supply Networks through Multi-Unit Bilateral Negotiation. <i>SSRN Electronic Journal</i> , 2019 ,	1	2
13	Competitive Revenue Management with Sequential Bargaining. <i>Production and Operations Management</i> , 2020 , 29, 1307-1324	3.6	2
12	Decentralized Control of a Stochastic Multi-Agent Queueing System. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2762-2777	5.9	2
11	Bounds for the system reliability function. <i>Stochastic Models</i> , 1986 , 2, 151-159		2
10	Consumer Choice Models and Estimation: A Review and Extension. <i>Production and Operations Management</i> ,	3.6	2
9	Extended Kernel Regression: A multi-resolution method to combine simulation experiments with analytical methods 2016 ,		1

8	Dynamic programming for energy control of machine tools in manufacturing 2015 ,		1
7	Optimal risk transfer for agents with germs. <i>Insurance: Mathematics and Economics</i> , 2010 , 47, 1-12	1.5	1
6	A Full-Information Best-Choice Problem with Allowance. <i>Probability in the Engineering and Informational Sciences</i> , 1996 , 10, 41-56	0.6	1
5	Multi-Stage Supply Chain with Production Uncertainty. <i>Production and Operations Management</i> , 2021 , 30, 921-940	3.6	1
4	Preface: Special Issue in Memory of Moshe Shaked. <i>Methodology and Computing in Applied Probability</i> , 2018 , 20, 811-815	0.6	
3	Bounds for Stopping Times with Application to the Approximation of Distribution Functions. <i>Probability in the Engineering and Informational Sciences</i> , 1994 , 8, 21-31	0.6	
2	Discrete repairable reliability systems. <i>Naval Research Logistics</i> , 1993 , 40, 769-786	1.5	
1	Introduction to the Special Section on Data-Driven Prescriptive Analytics. <i>Management Science</i> , 2022 , 68, 1591-1594	3.9	