J George Shanthikumar

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.

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	Introduction to the Special Section on Data-Driven Prescriptive Analytics. *Management Science*, **2022**, 68, 1591-1594	3.9	
60	Special issue editorial: Smart supply chains and intelligent logistics services. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 147, 102256	9	8
59	Multi-Stage Supply Chain with Production Uncertainty. *Production and Operations Management*, **2021**, 30, 921-940	3.6	1
58	Competitive Revenue Management with Sequential Bargaining. *Production and Operations Management*, **2020**, 29, 1307-1324	3.6	2
57	Integrating Dynamic Pricing with Inventory Decisions Under Lost Sales. *Management Science*, **2020**, 66, 2232-2247	3.9	9
56	Implementing Environmental and Social Responsibility Programs in Supply Networks through Multi-Unit Bilateral Negotiation. *SSRN Electronic Journal*, **2019**,	1	2
55	Dynamic Multisourcing with Dependent Supplies. *Management Science*, **2019**, 65, 2770-2786	3.9	8
54	Combining simulation experiments and analytical models with area-based accuracy for performance evaluation of manufacturing systems. *IISE Transactions*, **2019**, 51, 266-283	3.3	10
53	How Research in Production and Operations Management May Evolve in the Era of Big Data. *Production and Operations Management*, **2018**, 27, 1670-1684	3.6	91
52	Posted Pricing vs. Bargaining in Sequential Selling Process. *Operations Research*, **2018**, 66, 92-103	2.3	9
51	Supply and Demand Functions in Inventory Models. *Operations Research*, **2018**, 66, 77-91	2.3	23
50	Preface: Special Issue in Memory of Moshe Shaked. *Methodology and Computing in Applied Probability*, **2018**, 20, 811-815	0.6	
49	Arrangement Increasing Resource Allocation. *Methodology and Computing in Applied Probability*, **2018**, 20, 935-955	0.6	3
48	Introduction to the Special Issue on Perspectives on Big Data. *Production and Operations Management*, **2018**, 27, 1639-1641	3.6	11
47	The Effects of Subsidies on Increasing Consumption through For-Profit and Not-For-Profit Newsvendors. *Production and Operations Management*, **2017**, 26, 1191-1206	3.6	22
46	Not-for-Profit Operations Management **2017**, 510-526		10
45	Extended Kernel Regression: A multi-resolution method to combine simulation experiments with analytical methods **2016**,		1

44	The patient assignment problem in home health care: using a data-driven method to estimate the travel times of care givers. *Flexible Services and Manufacturing Journal*, **2016**, 28, 304-335	1.8	40
43	Technical note □operational statistics: Properties and the risk-averse case. *Naval Research Logistics*, **2015**, 62, 206-214	1.5	5
42	Incentive for Peer-to-Peer Knowledge Sharing among Farmers in Developing Economies. *Production and Operations Management*, **2015**, 24, n/a-n/a	3.6	15
41	Multivariate conditional hazard rate functions □n overview. *Applied Stochastic Models in Business and Industry*, **2015**, 31, 285-296	1.1	17
40	A Newsvendor Who Chooses Informational Effort. *Production and Operations Management*, **2015**, 24, 110-133	3.6	7
39	Dynamic programming for energy control of machine tools in manufacturing **2015**,		1
38	Inventory Policy with Parametric Demand: Operational Statistics, Linear Correction, and Regression. *Production and Operations Management*, **2012**, 21, 291-308	3.6	11
37	Decentralized Control of a Stochastic Multi-Agent Queueing System. *IEEE Transactions on Automatic Control*, **2012**, 57, 2762-2777	5.9	2
36	Optimal risk transfer for agents with germs. *Insurance: Mathematics and Economics*, **2010**, 47, 1-12	1.5	1
35	A method for cycle time estimation of semiconductor manufacturing toolsets with correlations **2009**,		6
34	INTRINSIC AGING AND CLASSES OF NONPARAMETRIC DISTRIBUTIONS. *Probability in the Engineering and Informational Sciences*, **2009**, 23, 563-582	0.6	24
33	A GENERAL APPROACH FOR COORDINATING PRODUCTION IN MULTIPLE-CELL MANUFACTURING SYSTEMS. *Production and Operations Management*, **2009**, 1, 34-52	3.6	59
32	COMBINED PRODUCTION AND MAINTENANCE SCHEDULING FOR A MULTIPLE-PRODUCT, SINGLE-MACHINE PRODUCTION SYSTEM. *Production and Operations Management*, **2009**, 9, 379-399	3.6	62
31	John A. Buzacott and His Pioneering Contributions to Manufacturing and Service Systems. *Production and Operations Management*, **2009**, 16, 657-664	3.6	3
30	Queueing Theory for Semiconductor Manufacturing Systems: A Survey and Open Problems. *IEEE Transactions on Automation Science and Engineering*, **2007**, 4, 513-522	4.9	91
29	Staffing decisions for heterogeneous workers with turnover. *Mathematical Methods of Operations Research*, **2005**, 62, 499-514	1	23
28	Optimal Design of Internet-Based Auctions. *Information Technology and Management*, **2001**, 2, 121-163	1.8	24
27	PRICING EXOTIC OPTIONS. *Probability in the Engineering and Informational Sciences*, **2000**, 14, 317-326	0.6	8

26	Coordinating production quantities and demand forecasts through penalty schemes. *IIE Transactions*, **1999**, 31, 851-864		37
25	INEQUALITIES BETWEEN EVENT AND TIME AVERAGES. *Probability in the Engineering and Informational Sciences*, **1999**, 13, 293-308	0.6	5
24	Comparing the Variability of Random Variables and Point Processes. *Probability in the Engineering and Informational Sciences*, **1998**, 12, 425-444	0.6	14
23	Two Variability Orders. *Probability in the Engineering and Informational Sciences*, **1998**, 12, 1-23	0.6	90
22	A Full-Information Best-Choice Problem with Allowance. *Probability in the Engineering and Informational Sciences*, **1996**, 10, 41-56	0.6	1
21	A Psychological Perspective on Service Segmentation Models: The Significance of Accounting for Consumers Perceptions of Waiting and Service. *Management Science*, **1995**, 41, 1806-1815	3.9	82
20	Bounds for Stopping Times with Application to the Approximation of Distribution Functions. *Probability in the Engineering and Informational Sciences*, **1994**, 8, 21-31	0.6	
19	Fluid limits and diffusion approximations for networks of multi-server queues in heavy traffic. *Discrete Event Dynamic Systems: Theory and Applications*, **1994**, 4, 269-291	1	16
18	Some Pitfalls of Black Box Queue Inference: The Case of State-Dependent Server Queues. *Probability in the Engineering and Informational Sciences*, **1993**, 7, 149-157	0.6	4
17	Regularity of Stochastic Processes: A Theory Based on Directional Convexity. *Probability in the Engineering and Informational Sciences*, **1993**, 7, 343-360	0.6	59
16	Discrete repairable reliability systems. *Naval Research Logistics*, **1993**, 40, 769-786	1.5	
15	Design of manufacturing systems using queueing models. *Queueing Systems*, **1992**, 12, 135-213	1.7	71
14	Dynamic multivariate mean residual life functions. *Journal of Applied Probability*, **1991**, 28, 613-629	0.8	22
13	Multivariate Stochastic Orderings and Positive Dependence in Reliability Theory. *Mathematics of Operations Research*, **1990**, 15, 545-552	1.5	35
12	Determination of Optimal Buffer Storage Capacities and Optimal Allocation in Multistage Automatic Transfer Lines. *IIE Transactions*, **1989**, 21, 130-135		65
11	Level crossing analysis of priority queues and a conservation identity for vacation models. *Naval Research Logistics*, **1989**, 36, 797-806	1.5	9
10	Approximations for the time spent in a dynamic job shop with applications to due-date assignment. *International Journal of Production Research*, **1988**, 26, 1329-1352	7.8	52
9	Multivariate conditional hazard rates and the MIFRA and MIFR properties. *Journal of Applied Probability*, **1988**, 25, 150-168	0.8	15

8	Multivariate conditional hazard rates and the MIFRA and MIFR properties. *Journal of Applied Probability*, **1988**, 25, 150-168	0.8	10
7	General queueing networks: Representation and stochastic monotonicity **1987**,		3
6	Multivariate hazard rates and stochastic ordering. *Advances in Applied Probability*, **1987**, 19, 123-137	0.7	27
5	The multivariate hazard construction. *Stochastic Processes and Their Applications*, **1987**, 24, 241-258	1.1	48
4	Comparing ordered-entry queues with heterogeneous servers. *Queueing Systems*, **1987**, 2, 235-244	1.7	10
3	The total hazard construction, antithetic variates and simulation of stochastic systems. *Stochastic Models*, **1986**, 2, 237-249		7
2	Bounds for the system reliability function. *Stochastic Models*, **1986**, 2, 151-159		2
1	Consumer Choice Models and Estimation: A Review and Extension. *Production and Operations Management*,	3.6	2