

BarÄ±Ä Tan

List of Publications by Year in descending order

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58
papers

1,204
citations

361413

20
h-index

414414

32
g-index

62
all docs

62
docs citations

62
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-product newsvendor problem with value-at-risk considerations. International Journal of Production Economics, 2009, 117, 244-255.	8.9	93
2	Analysis of a general Markovian two-stage continuous-flow production system with a finite buffer. International Journal of Production Economics, 2009, 120, 327-339.	8.9	90
3	Agricultural planning of annual plants under demand, maturation, harvest, and yield risk. European Journal of Operational Research, 2012, 220, 539-549.	5.7	75
4	Optimal selection of energy efficiency measures for energy sustainability of existing buildings. Computers and Operations Research, 2016, 66, 258-271.	4.0	61
5	Production and Subcontracting Strategies for Manufacturers with Limited Capacity and Volatile Demand. Annals of Operations Research, 2004, 125, 205-232.	4.1	46
6	Variance of the throughput of an N-station production line with no intermediate buffers and time dependent failures. European Journal of Operational Research, 1997, 101, 560-576.	5.7	45
7	Modeling and analysis of an auction-based logistics market. European Journal of Operational Research, 2008, 191, 272-294.	5.7	41
8	Retail inventory management with stock-out based dynamic demand substitution. International Journal of Production Economics, 2013, 145, 78-87.	8.9	38
9	Managing manufacturing risks by using capacity options. Journal of the Operational Research Society, 2002, 53, 232-242.	3.4	36
10	Variance of the output as a function of time: Production line dynamics. European Journal of Operational Research, 1999, 117, 470-484.	5.7	35
11	A three-station merge system with unreliable stations and a shared buffer. Mathematical and Computer Modelling, 2001, 33, 1011-1026.	2.0	35
12	Analysis of multistation production systems with limited buffer capacity part 2: The decomposition method. Mathematical and Computer Modelling, 1997, 25, 109-123.	2.0	34
13	Production control of a pull system with production and demand uncertainty. IEEE Transactions on Automatic Control, 2002, 47, 779-783.	5.7	32
14	A multiperiod stochastic production planning and sourcing problem with service level constraints. OR Spectrum, 2005, 27, 471-489.	3.4	32
15	Modelling and analysis of Markovian continuous flow systems with a finite buffer. Annals of Operations Research, 2011, 182, 5-30.	4.1	32
16	Analysis of multistation production systems with limited buffer capacity part 1: The subsystem model. Mathematical and Computer Modelling, 1997, 25, 109-122.	2.0	31
17	Effects of variability on the due-time performance of a continuous materials flow production system in series. International Journal of Production Economics, 1998, 54, 87-100.	8.9	31
18	Modeling and analysis of vessel casualties resulting from tanker traffic through narrow waterways. Naval Research Logistics, 1999, 46, 871-892.	2.2	31

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19	Asymptotic variance rate of the output in production lines with finite buffers. <i>Annals of Operations Research</i> , 2000, 93, 385-403.	4.1	25
20	Markov chain test for time dependence and homogeneity: An analytical and empirical evaluation. <i>European Journal of Operational Research</i> , 2002, 137, 524-543.	5.7	23
21	Production control with backlog-dependent demand. <i>IIE Transactions</i> , 2009, 41, 511-523.	2.1	21
22	Mathematical programming representations of the dynamics of continuous-flow production systems. <i>IIE Transactions</i> , 2015, 47, 173-189.	2.1	21
23	On the Benefits of Assortment-Based Cooperation Among Independent Producers. <i>Production and Operations Management</i> , 2008, 17, 626-640.	3.8	20
24	An analytical formula for variance of output from a series-parallel production system with no interstation buffers and time-dependent failures. <i>Mathematical and Computer Modelling</i> , 1998, 27, 95-112.	2.0	18
25	Subcontracting with availability guarantees: production control and capacity decisions. <i>IIE Transactions</i> , 2004, 36, 711-724.	2.1	16
26	A method for estimating stock-out-based substitution rates by using point-of-sale data. <i>IIE Transactions</i> , 2009, 41, 408-420.	2.1	16
27	Optimal sales and production rollover strategies under capacity constraints. <i>European Journal of Operational Research</i> , 2021, 294, 507-524.	5.7	16
28	Can the desired service level be achieved when the demand and lost sales are unobserved?. <i>IIE Transactions</i> , 2004, 36, 345-358.	2.1	15
29	Modelling and analysis of a cooperative production network. <i>International Journal of Production Research</i> , 2019, 57, 6665-6686.	7.5	13
30	Purchasing, production, and sales strategies for a production system with limited capacity, fluctuating sales and purchasing prices. <i>IIE Transactions</i> , 2019, 51, 921-942.	2.4	12
31	Design of balanced energy savings performance contracts. <i>International Journal of Production Research</i> , 2020, 58, 1401-1424.	7.5	11
32	On the Exact Inter-departure, Inter-start, and Cycle Time Distribution of Closed Queueing Networks Subject to Blocking. <i>IIE Transactions</i> , 2015, 47, 673-692.	2.1	10
33	On the output dynamics of production systems subject to blocking. <i>IIE Transactions</i> , 2017, 49, 268-284.	2.4	10
34	Analysis of a group purchasing organization under demand and price uncertainty. <i>Flexible Services and Manufacturing Journal</i> , 2018, 30, 844-883.	3.4	10
35	Asymptotic variance rate of the output of a transfer line with no buffer storage and cycle-dependent failures. <i>Mathematical and Computer Modelling</i> , 1999, 29, 97-112.	2.0	9
36	Data-driven control of a production system by using marking-dependent threshold policy. <i>International Journal of Production Economics</i> , 2020, 226, 107607.	8.9	9

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37	Modelling and analysis of a business model to offer energy-saving technologies as a service. International Journal of Production Research, 2015, 53, 7118-7135.	7.5	8
38	Simulation and optimization of continuous-flow production systems with a finite buffer by using mathematical programming. IIE Transactions, 2017, 49, 255-267.	2.4	8
39	Modelling and analysis of the impact of correlated inter-event data on production control using Markovian arrival processes. Flexible Services and Manufacturing Journal, 2019, 31, 1042-1076.	3.4	8
40	State-Space Modeling and Analysis of Pull-Controlled Production Systems. Profiles in Operations Research, 2003, , 363-398.	0.4	8
41	Modelling and analysis of a network organization for cooperation of manufacturers on production capacity. Mathematical Problems in Engineering, 2006, 2006, 1-24.	1.1	6
42	Production Control with Price, Cost, and Demand Uncertainty. OR Spectrum, 2019, 41, 1057-1085.	3.4	6
43	Optimal control of production-inventory systems with correlated demand inter-arrival and processing times. International Journal of Production Economics, 2020, 228, 107692.	8.9	6
44	Cyclical dynamics of industrial production and employment: Markov chain-based estimates and tests. Journal of Economic Dynamics and Control, 2012, 36, 1534-1550.	1.6	5
45	Modeling and Analysis of Output Variability in Discrete Material Flow Production Systems. Profiles in Operations Research, 2013, , 287-311.	0.4	5
46	Assortment-based cooperation between two make-to-stock firms. IIE Transactions, 2014, 46, 213-229.	2.1	5
47	An empirical analysis of the main drivers affecting the buyer surplus in E-auctions. International Journal of Production Research, 2019, 57, 3435-3465.	7.5	5
48	Supervised learning-based approximation method for single-server open queueing networks with correlated interarrival and service times. International Journal of Production Research, 0, , 1-26.	7.5	5
49	Supervised-learning-based approximation method for multi-server queueing networks under different service disciplines with correlated interarrival and service times. International Journal of Production Research, 2022, 60, 5176-5200.	7.5	4
50	Advances in stochastic models of manufacturing and service operations. Annals of Operations Research, 2015, 231, 1-3.	4.1	3
51	Managing manufacturing risks by using capacity options. Journal of the Operational Research Society, 2002, 53, 232-242.	3.4	3
52	A fuzzy decomposition method for multistation production systems subject to blocking. International Journal of Production Economics, 1996, 42, 245-262.	8.9	2
53	A lab-scale manufacturing system environment to investigate data-driven production control approaches. Journal of Manufacturing Systems, 2021, 60, 283-297.	13.9	2
54	Computer aided reliability modeling and applications in semiconductor manufacturing. Computers and Industrial Engineering, 1992, 23, 169-172.	6.3	1

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55	A machine learning approach for implementing data-driven production control policies. International Journal of Production Research, 0, , 1-22.	7.5	1
56	Modeling and analysis of a cooperative service network. Computers and Industrial Engineering, 2021, 161, 107620.	6.3	1
57	Incorporating Harvest, Maturity, Yield, and Demand Risk in Planning for Agricultural Supply Chains for Premium Products. , 2011, , 239-252.		1
58	Introduction to the special issue on Advances in Manufacturing Systems. Annals of Operations Research, 2011, 182, 1-3.	4.1	0