BarÄ±ÅŸan

List of Publications by Year
in descending order

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	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
2	A lab-scale manufacturing system environment to investigate data-driven production control approaches. Journal of Manufacturing Systems, 2021, 60, 283-297.	13.9	2
3	Optimal sales and production rollover strategies under capacity constraints. European Journal of Operational Research, 2021, 294, 507-524.	5.7	16
4	Modeling and analysis of a cooperative service network. Computers and Industrial Engineering, 2021, 161, 107620.	6.3	1
5	Design of balanced energy savings performance contracts. International Journal of Production Research, 2020, 58, 1401-1424.	7.5	11
6	Data-driven control of a production system by using marking-dependent threshold policy. International Journal of Production Economics, 2020, 226, 107607.	8.9	9
7	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
8	Modelling and analysis of a cooperative production network. International Journal of Production Research, 2019, 57, 6665-6686.	7.5	13
9	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
10	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
11	Purchasing, production, and sales strategies for a production system with limited capacity, fluctuating sales and purchasing prices. IISE Transactions, 2019, 51, 921-942.	2.4	12
12	Production Control with Price, Cost, and Demand Uncertainty. OR Spectrum, 2019, 41, 1057-1085.	3.4	6
13	Analysis of a group purchasing organization under demand and price uncertainty. Flexible Services and Manufacturing Journal, 2018, 30, 844-883.	3.4	10
14	Simulation and optimization of continuous-flow production systems with a finite buffer by using mathematical programming. IISE Transactions, 2017, 49, 255-267.	2.4	8
15	On the output dynamics of production systems subject to blocking. IISE Transactions, 2017, 49, 268-284.	2.4	10
16	Optimal selection of energy efficiency measures for energy sustainability of existing buildings. Computers and Operations Research, 2016, 66, 258-271.	4.0	61
17	Mathematical programming representations of the dynamics of continuous-flow production systems. IIE Transactions, 2015, 47, 173-189.	2.1	21
18	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

#	ARTICLE	IF	CITATIONS
19	On the Exact Inter-departure, Inter-start, and Cycle Time Distribution of Closed Queueing Networks Subject to Blocking. IIE Transactions, 2015, 47, 673-692.	2.1	10
20	Advances in stochastic models of manufacturing and service operations. Annals of Operations Research, 2015, 231, 1-3.	4.1	3
21	Assortment-based cooperation between two make-to-stock firms. IIE Transactions, 2014, 46, 213-229.	2.1	5
22	Modeling and Analysis of Output Variability in Discrete Material Flow Production Systems. Profiles in Operations Research, 2013, , 287-311.	0.4	5
23	Retail inventory management with stock-out based dynamic demand substitution. International Journal of Production Economics, 2013, 145, 78-87.	8.9	38
24	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
25	Agricultural planning of annual plants under demand, maturation, harvest, and yield risk. European Journal of Operational Research, 2012, 220, 539-549.	5.7	75
26	Modelling and analysis of Markovian continuous flow systems with a finite buffer. Annals of Operations Research, 2011, 182, 5-30.	4.1	32
27	Introduction to the special issue on Advances inÂManufacturing Systems. Annals of Operations Research, 2011, 182, 1-3.	4.1	0
28	Incorporating Harvest, Maturity, Yield, and Demand Risk in Planning for Agricultural Supply Chains for Premium Products. , 2011, , 239-252.		1
29	A method for estimating stock-out-based substitution rates by using point-of-sale data. IIE Transactions, 2009, 41, 408-420.	2.1	16
30	Production control with backlog-dependent demand. IIE Transactions, 2009, 41, 511-523.	2.1	21
31	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
32	Multi-product newsvendor problem with value-at-risk considerations. International Journal of Production Economics, 2009, 117, 244-255.	8.9	93
33	Modeling and analysis of an auction-based logistics market. European Journal of Operational Research, 2008, 191, 272-294.	5.7	41
34	On the Benefits of Assortment-Based Cooperation Among Independent Producers. Production and Operations Management, 2008, 17, 626-640.	3.8	20
35	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
36	A multiperiod stochastic production planning and sourcing problem with service level constraints. OR Spectrum, 2005, 27, 471-489.	3.4	32

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37	Subcontracting with availability guarantees: production control and capacity decisions. IIE Transactions, 2004, 36, 711-724.	2.1	16
38	Can the desired service level be achieved when the demand and lost sales are unobserved?. IIE Transactions, 2004, 36, 345-358.	2.1	15
39	Production and Subcontracting Strategies for Manufacturers with Limited Capacity and Volatile Demand. Annals of Operations Research, 2004, 125, 205-232.	4.1	46
40	State-Space Modeling and Analysis of Pull-Controlled Production Systems. Profiles in Operations Research, 2003, , 363-398.	0.4	8
41	Managing manufacturing risks by using capacity options. Journal of the Operational Research Society, 2002, 53, 232-242.	3.4	36
42	Production control of a pull system with production and demand uncertainty. IEEE Transactions on Automatic Control, 2002, 47, 779-783.	5.7	32
43	Markov chain test for time dependence and homogeneity: An analytical and empirical evaluation. European Journal of Operational Research, 2002, 137, 524-543.	5.7	23
44	Managing manufacturing risks by using capacity options. Journal of the Operational Research Society, 2002, 53, 232-242.	3.4	3
45	A three-station merge system with unreliable stations and a shared buffer. Mathematical and Computer Modelling, 2001, 33, 1011-1026.	2.0	35
46	Asymptotic variance rate of the output in production lines with finite buffers. Annals of Operations Research, 2000, 93, 385-403.	4.1	25
47	Asymptotic variance rate of the output of a transfer line with no buffer storage and cycle-dependent failures. Mathematical and Computer Modelling, 1999, 29, 97-112.	2.0	9
48	Variance of the output as a function of time: Production line dynamics. European Journal of Operational Research, 1999, 117, 470-484.	5.7	35
49	Modeling and analysis of vessel casualties resulting from tanker traffic through narrow waterways. Naval Research Logistics, 1999, 46, 871-892.	2.2	31
50	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
51	An analytical formula for variance of output from a series-parallel production system with no interstation buffers and time-dependent failures. Mathematical and Computer Modelling, 1998, 27, 95-112.	2.0	18
52	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
53	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
54	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

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55	A fuzzy decomposition method for multistation production systems subject to blocking. International Journal of Production Economics, 1996, 42, 245-262.	8.9	2
56	Computer aided reliability modeling and applications in semiconductor manufacturing. Computers and Industrial Engineering, 1992, 23, 169-172.	6.3	1
57	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
58	A machine learning approach for implementing data-driven production control policies. International Journal of Production Research, 0, , 1-22.	7.5	1