Chrissoleon T Papadopoulos

List of Publications by Year
in descending order

47 papers	1,339 citations	361296 20 h-index	345118 36 g-index
50 all docs	50 docs citations	50 times ranked	551 citing authors

#	ARTICLE	IF	CITATIONS
1	Queueing theory in manufacturing systems analysis and design: A classification of models for production and transfer lines. European Journal of Operational Research, 1996, 92, 1-27.	3.5	248
2	Quality in NHS hospitals: no one knows better than patients. Measuring Business Excellence, 2009, 13, 34-46.	1.4	96
3	A simulated annealing approach for buffer allocation in reliable production lines. Annals of Operations Research, 2000, 93, 373-384.	2.6	91
4	A classification and review of timed Markov models of manufacturing systems. Computers and Industrial Engineering, 2019, 128, 219-244.	3.4	73
5	Large production line optimization using simulated annealing. International Journal of Production Research, 2000, 38, 509-541.	4.9	69
6	The throughput rate of multistation unreliable production lines. European Journal of Operational Research, 1993, 68, 69-89.	3.5	68
7	Buffer allocation in unreliable production lines using a knowledge based system. Computers and Operations Research, 1998, 25, 1055-1067.	2.4	49
8	A heuristic algorithm for the buffer allocation in unreliable unbalanced production lines. Computers and Industrial Engineering, 2001, 41, 261-277.	3.4	44
9	Minimizing WIP inventory in reliable production lines. International Journal of Production Economics, 2001, 70, 185-197.	5.1	41
10	Throughput rate of multistation reliable production lines with inter station buffers. Computers in Industry, 1989, 13, 229-244.	5.7	40
11	A dynamic programming algorithm for the buffer allocation problem in homogeneous asymptotically reliable serial production lines. Mathematical Problems in Engineering, 2004, 2004, 209-223.	0.6	38
12	Stochastic algorithms for buffer allocation in reliable production lines. Mathematical Problems in Engineering, 2000, 5, 441-458.	0.6	36
13	Exact analysis of a discrete material three-station one-buffer merge system with unreliable machines. International Journal of Production Research, 2004, 42, 651-675.	4.9	35
14	Approximate analysis of serial flow lines with multiple parallel-machine stations. IIE Transactions, 2007, 39, 361-375.	2.1	35
15	An artificial neural network based decision support system for solving the buffer allocation problem in reliable production lines. Computers and Industrial Engineering, 2013, 66, 1150-1162.	3.4	32
16	A DSS for the buffer allocation of production lines based on a comparative evaluation of a set of search algorithms. International Journal of Production Research, 2013, 51, 4175-4199.	4.9	32
17	Throughput rate of multistation reliable production lines with inter station buffers (II) Erlang case. Computers in Industry, 1990, 13, 317-335.	5.7	28
18	Optimal buffer allocation in short Î¼-balanced unreliable production lines. Computers and Industrial Engineering, 1999, 37, 691-710.	3.4	22

#	Article	IF	Citations
19	On the workload and â€˜phaseloadâ€™ allocation problems of short reliable production lines with finite buffers. Computers and Industrial Engineering, 2005, 48, 825-837.	3.4	22
20	Analysis, design, and control of Bernoulli production lines with waiting time constraints. Journal of Manufacturing Systems, 2018, 46, 208-220.	7.6	22
21	Markovian analysis of a discrete material manufacturing system with merge operations, operation-dependent and idleness failures. Computers and Industrial Engineering, 2006, 50, 466-487.	3.4	21
22	A field service support system using a queueing network model and the priority MVA algorithm. Omega, 1996, 24, 195-203.	3.6	20
23	An analytic formula for the mean throughput of K-station production lines with no intermediate buffers. European Journal of Operational Research, 1996, 91, 481-494.	3.5	19
24	A design model and a productionâ€“distribution and inventory planning model in multi-product supply chain networks. International Journal of Production Research, 2016, 54, 6436-6457.	4.9	19
25	A recursive algorithm for generating the transition matrices of multistation series production lines. Computers in Industry, 1989, 12, 227-240.	5.7	15
26	Continuous improvement in manufacturing and service systems. International Journal of Production Research, 2016, 54, 6281-6284.	4.9	15
27	Analysis and Design of Discrete Part Production Lines. Springer Optimization and Its Applications, 2009, , .	0.6	13
28	A recursive algorithm for generating the transition matrices of multistation multiserver exponential reliable queueing networks. Computers and Operations Research, 2001, 28, 853-883.	2.4	11
29	Analysis of exponential reliable production lines using Kronecker descriptors. International Journal of Production Research, 2013, 51, 4240-4257.	4.9	11
30	Performance evaluation of flow lines with non-identical and unreliable parallel machines and finite buffers. International Journal of Production Research, 2020, 58, 3881-3904.	4.9	11
31	A model management system (MMS) for the design and operation of production lines. International Journal of Production Research, 1997, 35, 2213-2236.	4.9	10
32	Exact analysis of production lines with no intermediate buffers. European Journal of Operational Research, 1993, 65, 118-137.	3.5	9
33	Markovian analysis of production lines with Coxian-2 service times. International Transactions in Operational Research, 1999, 6, 495-524.	1.8	8
34	Analysis of production lines with Coxian service times and no intermediate buffers. Naval Research Logistics, 1998, 45, 669-685.	1.4	6
35	The Buffer Allocation Problem. Springer Optimization and Its Applications, 2009, , 131-159.	0.6	5
36	An approximate method for calculating the mean sojourn time of K-station production lines with no intermediate buffers. International Journal of Production Economics, 1998, 54, 297-305.	5.1	3

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37	Modular production line optimization: The exPLORE architecture. Mathematical Problems in Engineering, 2001, 6, 527-541.	0.6	3
38	Advances in stochastic models of manufacturing and service operations. Annals of Operations Research, 2015, 231, 1-3.	2.6	3
39	Manufacturing Systems: Types and Modeling. Springer Optimization and Its Applications, 2009, , 1-23.	0.6	3
40	Editorial: Stochastic models of manufacturing and service system operations. Annals of Operations Research, 2013, 209, 1-3.	2.6	2
41	A hybrid evolutionary algorithm approach for estimating the throughput of short reliable approximately balanced production lines. Journal of Intelligent Manufacturing, 2023, 34, 823-852.	4.4	2
42	A field service support system using the computer analysis of networks of queues (CAN-Q) model. Journal of Decision Systems, 1997, 6, 63-74.	2.2	1
43	A Comparison of Three Search Algorithms for Solving the Buffer Allocation Problem in Reliable Production Lines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1626-1631.	0.4	1
44	New developments in stochastic models of manufacturing and service operations. International Journal of Production Research, 2016, 54, 6102-6104.	4.9	1
45	Exact Analysis of Discrete Part Production Lines: The Markovian Queueing Network and the Stochastic Automata Networks Formalisms. Profiles in Operations Research, 2013, , 73-113.	0.3	1
46	A small business logistics DSS: an inventory and a field service support system. Journal of Decision Systems, 2000, 9, 137-157.	2.2	0
47	Double and Triple Optimization. Springer Optimization and Its Applications, 2009, , 161-177.	0.6	0