Lotfi Tadj

List of Publications by Year
in descending order

77 papers	804 citations	566801 15 h-index	552369 26 g-index
77 all docs	77 docs citations	77 times ranked	303 citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy Analysis of a Flexible Markovian Queue with Server Breakdowns. Entropy, 2020, 22, 979.	1.1	1
2	An Unreliable Batch Arrival Retrial Queueing System With Bernoulli Vacation Schedule and Linear Repeated Attempts. International Journal of Operations Research and Information Systems, 2020, 11, 83-109.	1.0	1
3	Model Predictive Control of the Harvesting Effort of a Sustainable Seafood with a Nonlinear State Equation. Mathematical Problems in Engineering, 2019, 2019, 1-7.	0.6	0
4	Augmented Lagrangian Approach to the Newsvendor Model with Component Commonality. Mathematical and Computational Applications, 2019, 24, 55.	0.7	0
5	Steady-State Analysis of a Flexible Markovian Queue with Server Breakdowns. Entropy, 2019, 21, 259.	1.1	3
6	Optimal Control of Nonsmooth Production Systems with Deteriorating Items, Stock-Dependent Demand, with or without Backorders. Symmetry, 2019, 11, 183.	1.1	2
7	Exact and approximate solution for optimal inventory control of two-stock with reworking and forecasting of demand. Operational Research, 2019, 19, 333-346.	1.3	18
8	Analysis of Two Phases Queue With Vacations and Breakdowns Under T-Policy. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2019, , 13-31.	0.7	0
9	Optimal Control of the Integrated Marketing-Production Planning Problem. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 349-370.	0.3	0
10	Analysis of Two Phases Queue With Vacations and Breakdowns Under T-Policy. , 2018, , 1570-1583.		0
11	Predictive Control of a Production System that Uses Advertising. Arabian Journal for Science and Engineering, 2017, 42, 2961-2969.	1.7	0
12	An Unreliable Server Retrial Queue with Two Phases of Service and General Retrial Times Under Bernoulli Vacation Schedule. Quality Technology and Quantitative Management, 2015, 12, 437-464.	1.1	14
13	Optimal Harvesting Effort for Nonlinear Predictive Control Model for a Single Species Fishery. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	4
14	Model predictive production planning in a three-stock reverse-logistics system with deterioratingÂitems. International Journal of Systems Science: Operations and Logistics, 2015, 2, 187-198.	2.0	1
15	Model Predictive Control of a Forecasting Production System with Deteriorating Items. International Journal of Operations Research and Information Systems, 2015, 6, 19-37.	1.0	4
16	Binomial Schedule for an M/G/1 Type Queueing System with an Unreliable Server under N-Policy. Advances in Decision Sciences, 2014, 2014, 1-6.	1.4	1
17	A New Lifetime Distribution and Its Power Transformation. Journal of Probability and Statistics, 2014, 2014, 1-14.	0.3	4
18	A single and batch service queue with random breakdowns. International Journal of Services Sciences, 2014, 5, 116.	0.0	1

#	ARTICLE	IF	CITATIONS
19	Optimal Policy for an Unreliable Service System. , 2014, , 1711-1724.		0
20	Binomial schedule for an M/G/1 queueing system with an unreliable server. International Journal of Modelling in Operations Management, 2013, 3, 206.	0.0	3
21	Note on a Binomial Schedule for an MX/G/1 Queueing System with an Unreliable Server. ISRN Probability and Statistics, 2013, 2013, 1-6.	0.2	1
22	A two-phase quorum queueing system with Bernoulli vacation schedule, setup, and N-policy for an unreliable server with delaying repair. International Journal of Services and Operations Management, 2012, 12, 139.	0.1	23
23	Using data envelopment analysis to measure ports efficiency. International Journal of Business Performance Management, 2012, 13, 257.	0.2	6
24	A Two-Phase Service System with Bernoulli Vacation Schedule, Setup Time and <i>N</i>-policy for an Unreliable Server with Delaying Repair. Quality Technology and Quantitative Management, 2011, 8, 271-284.	1.1	17
25	An integrated production inventory model with raw material, production and final product deteriorations. International Journal of Industrial and Systems Engineering, 2011, 8, 366.	0.1	4
26	A quorum queueing system with unreliable server and restricted admission. International Journal of Applied Management Science, 2011, 3, 174.	0.1	0
27	A note on a bulk arrivals quorum queuing system with an unreliable server. International Journal of Applied Management Science, 2011, 3, 316.	0.1	0
28	Optimal management policy for a single and bulk service queue. International Journal of Advanced Operations Management, 2011, 3, 175.	0.3	4
29	Cost evaluation in M/G/1 queue with T-policy revisited, technical note. European Journal of Operational Research, 2011, 214, 814-817.	3.5	9
30	The optimal control of an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>M</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msup></mml:mrow></mml… unreliable server queue with two phases of service and Bernoulli vacation schedule. Mathematical and Computer Modelling, 2011, 54, 673-688.	2.0	38
31	Optimal control of a continuous-review integrated production — Forecasting system with stock-dependent demand and deteriorating items. , 2011, , .		1
32	A queueing analysis of multi-purpose production facility's operations. Journal of Industrial and Management Optimization, 2011, 7, 19-30.	0.8	2
33	A Survey of Replacement Models with Minimal Repair. Springer Series in Reliability Engineering, 2011, , 3-100.	0.3	6
34	Filtering and M-ary Detection in a Minimal Repair Maintenance Model. Springer Series in Reliability Engineering, 2011, , 207-221.	0.3	0
35	Optimal policy of a hybrid queueing system. International Journal of Mathematics in Operational Research, 2010, 2, 424.	0.1	1
36	Validating a port simulation model with application to the port of Alexandria, Egypt. International Journal of Simulation and Process Modelling, 2010, 6, 115.	0.1	3

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37	A batch arrival retrial queueing system with two phases of service and service interruption. Computers and Mathematics With Applications, 2010, 59, 437-450.	1.4	36
38	A quorum queueing system with an unreliable server. Applied Mathematics Letters, 2009, 22, 1710-1714.	1.5	10
39	An M/G/1 queue with two phases of service subject to the server breakdown and delayed repair. Applied Mathematical Modelling, 2009, 33, 2699-2709.	2.2	63
40	The N-policy for an unreliable server with delaying repair and two phases of service. Journal of Computational and Applied Mathematics, 2009, 231, 349-364.	1.1	38
41	Using optimal control to adjust the production rate of a deteriorating inventory system. Journal of Taibah University for Science, 2009, 2, 69-77.	1.1	7
42	Optimal management policy for a single and bulk service queue under Bernoulli vacation schedules. International Journal of Applied Decision Sciences, 2009, 2, 262.	0.2	7
43	A Hysteretic Bulk Quorum Queue with a Choice of Service and Optional Re-Service. Quality Technology and Quantitative Management, 2008, 5, 161-178.	1.1	20
44	Optimal control of a hybrid periodic-review production inventory system with disposal. International Journal of Operational Research, 2007, 2, 481.	0.1	9
45	Steady state analysis of an Mx/G/1 queue with two phase service and Bernoulli vacation schedule under multiple vacation policy. Applied Mathematical Modelling, 2007, 31, 1079-1091.	2.2	44
46	Optimal and self-tuning optimal control of a periodic-review hybrid production inventory system. Nonlinear Analysis: Hybrid Systems, 2007, 1, 68-80.	2.1	3
47	Optimal control of a production inventory system with deteriorating items. International Journal of Systems Science, 2006, 37, 1111-1121.	3.7	22
48	A Quorum Queueing System with a Random Setup Time under N-policy and with Bernoulli Vacation Schedule. Quality Technology and Quantitative Management, 2006, 3, 145-160.	1.1	25
49	Hybrid queueing systems with hysteretic bilevel control policies. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 2153-2168.	0.6	12
50	Alternative Solution to a Quorum Queueing System. Stochastic Analysis and Applications, 2006, 24, 359-365.	0.9	2
51	A bulk quorum queueing system with a random setup time underN-policy and with Bernoulli vacation schedule. Stochastics, 2006, 78, 1-11.	0.6	13
52	Control policy of a hysteretic bulk queueing system. Mathematical and Computer Modelling, 2005, 41, 571-579.	2.0	12
53	Receding horizon control of a hybrid production system with deteriorating items. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, 405-422.	0.6	16
54	Optimal design and control of queues. Top, 2005, 13, 359-412.	1.1	141

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55	Control policy of a hysteretic queueing system. Mathematical Methods of Operations Research, 2003, 57, 367-376.	0.4	13
56	Parameters estimation of a repairable system. Applied Mathematics and Computation, 2003, 138, 217-226.	1.4	2
57	A quorum queueing system under D-policy. Applied Mathematics and Computation, 2003, 144, 325-336.	1.4	2
58	A QBD approach to evolutionary game theory. Applied Mathematical Modelling, 2003, 27, 913-927.	2.2	15
59	Effect of the server capacity distribution on the optimal control of a bulk service queueing system. Chaos, Solitons and Fractals, 2003, 18, 1101-1110.	2.5	1
60	Explicit Solution of a Quorum Queueing System. Stochastic Analysis and Applications, 2003, 21, 703-717.	0.9	3
61	On an M/G/1 quorum queueing system under T-policy. Journal of the Operational Research Society, 2003, 54, 466-471.	2.1	22
62	Recursive solution to a quorum queueing system. Mathematical and Computer Modelling, 2002, 35, 283-293.	2.0	2
63	Maximum entropy solution to a quorum queueing system. Mathematical and Computer Modelling, 2001, 34, 19-27.	2.0	8
64	A matrix analytic solution to a hysteretic queueing system with random server capacity. Applied Mathematics and Computation, 2001, 119, 161-175.	1.4	5
65	Matrix analytic solution to a quorum queueing system. Mathematical and Computer Modelling, 2000, 32, 481-491.	2.0	3
66	On an M1,M2/Gr/1 queueing system. Mathematical Problems in Engineering, 2000, 6, 495-503.	0.6	1
67	A stochastic jump inventory model with deteriorating items. Stochastic Analysis and Applications, 2000, 18, 1-10.	0.9	4
68	A stochastic inventory model with perishable and aging items. Journal of Applied Mathematics and Stochastic Analysis, 1999, 12, 23-29.	0.3	4
69	A hysteretic queueing system with random server capacity. Computers and Mathematics With Applications, 1999, 38, 51-61.	1.4	6
70	Optimal adaptive estimators for partially observed numbers of defective items in inventory models. Mathematical and Computer Modelling, 1999, 29, 83-93.	2.0	34
71	On a bulk queueing system with impatient customers. Mathematical Problems in Engineering, 1998, 3, 539-554.	0.6	3
72	A queueing system with random server capacity and multiple control. Queueing Systems, 1993, 14, 369-384.	0.6	7

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73	On applications of first excess level random processes to queueing systems with random server capacity and capacity dependent service time. Stochastic and Stochastics Reports, 1993, 45, 45-60.	0.6	6
74	Converge, Version 3.0. Journal of Applied Mathematics and Stochastic Analysis, 1993, 6, 281-285.	0.3	0
75	A queueing system with a fixed accumulation level, random server capacity and capacity dependent service time. International Journal of Mathematics and Mathematical Sciences, 1992, 15, 189-194.	0.3	16
76	Joint optimization of the marketing and operations functions. Opsearch, 0, , 1.	1.1	0
77	Entropy maximization for the busy period of a single server queue. Communications in Statistics - Theory and Methods, 0, , 1-11.	0.6	0