Lotfi Tadj

List of Publications by Year
in descending order

77	804	566801 15	552369 26
papers	citations	h-index	g-index

77	77	77	303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal design and control of queues. Top, 2005, 13, 359-412.	1.1	141
2	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
3	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
4	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si30.gif" display="inline" overflow="scroll"><mml:mi>N</mml:mi></mml:math>-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
5	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
6	Optimal adaptive estimators for partially observed numbers of defective items in inventory models. Mathematical and Computer Modelling, 1999, 29, 83-93.	2.0	34
7	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:math>/G/1 unreliable server queue with two phases of service and Bernoulli vacation schedule. Mathematical and Computer Modelling, 2011, 54, 673-688.	2.0	33
8	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
9	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
10	On an M/G/1 quorum queueing system under T-policy. Journal of the Operational Research Society, 2003, 54, 466-471.	2.1	22
11	Optimal control of a production inventory system with deteriorating items. International Journal of Systems Science, 2006, 37, 1111-1121.	3.7	22
12	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
13	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
14	A Two-Phase Service System with Bernoulli Vacation Schedule, Setup Time and N-policy for an Unreliable Server with Delaying Repair. Quality Technology and Quantitative Management, 2011, 8, 271-284.	1.1	17
15	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
16	Receding horizon control of a hybrid production system with deteriorating items. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, 405-422.	0.6	16
17	A QBD approach to evolutionary game theory. Applied Mathematical Modelling, 2003, 27, 913-927.	2.2	15
18	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

#	ARTICLE	IF	CITATIONS
19	Control policy of a hysteretic queueing system. Mathematical Methods of Operations Research, 2003, 57, 367-376.	0.4	13
20	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
21	Control policy of a hysteretic bulk queueing system. Mathematical and Computer Modelling, 2005, 41, 571-579.	2.0	12
22	Hybrid queueing systems with hysteretic bilevel control policies. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 2153-2168.	0.6	12
23	A quorum queueing system with an unreliable server. Applied Mathematics Letters, 2009, 22, 1710-1714.	1.5	10
24	Optimal control of a hybrid periodic-review production inventory system with disposal. International Journal of Operational Research, 2007, 2, 481.	0.1	9
25	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
26	Maximum entropy solution to a quorum queueing system. Mathematical and Computer Modelling, 2001, 34, 19-27.	2.0	8
27	A queueing system with random server capacity and multiple control. Queueing Systems, 1993, 14, 369-384.	0.6	7
28	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
29	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
30	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
31	A hysteretic queueing system with random server capacity. Computers and Mathematics With Applications, 1999, 38, 51-61.	1.4	6
32	Using data envelopment analysis to measure ports efficiency. International Journal of Business Performance Management, 2012, 13, 257.	0.2	6
33	A Survey of Replacement Models with Minimal Repair. Springer Series in Reliability Engineering, 2011, , 3-100.	0.3	6
34	A matrix analytic solution to a hysteretic queueing system with random server capacity. Applied Mathematics and Computation, 2001, 119, 161-175.	1.4	5
35	A stochastic inventory model with perishable and aging items. Journal of Applied Mathematics and Stochastic Analysis, 1999, 12, 23-29.	0.3	4
36	A stochastic jump inventory model with deteriorating items. Stochastic Analysis and Applications, 2000, 18, 1-10.	0.9	4

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37	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
38	Optimal management policy for a single and bulk service queue. International Journal of Advanced Operations Management, 2011, 3, 175.	0.3	4
39	A New Lifetime Distribution and Its Power Transformation. Journal of Probability and Statistics, 2014, 2014, 1-14.	0.3	4
40	Optimal Harvesting Effort for Nonlinear Predictive Control Model for a Single Species Fishery. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	4
41	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
42	On a bulk queueing system with impatient customers. Mathematical Problems in Engineering, 1998, 3, 539-554.	0.6	3
43	Matrix analytic solution to a quorum queueing system. Mathematical and Computer Modelling, 2000, 32, 481-491.	2.0	3
44	Explicit Solution of a Quorum Queueing System. Stochastic Analysis and Applications, 2003, 21, 703-717.	0.9	3
45	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
46	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
47	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
48	Steady-State Analysis of a Flexible Markovian Queue with Server Breakdowns. Entropy, 2019, 21, 259.	1.1	3
49	Recursive solution to a quorum queueing system. Mathematical and Computer Modelling, 2002, 35, 283-293.	2.0	2
50	Parameters estimation of a repairable system. Applied Mathematics and Computation, 2003, 138, 217-226.	1.4	2
51	A quorum queueing system under D-policy. Applied Mathematics and Computation, 2003, 144, 325-336.	1.4	2
52	Alternative Solution to a Quorum Queueing System. Stochastic Analysis and Applications, 2006, 24, 359-365.	0.9	2
53	Optimal Control of Nonsmooth Production Systems with Deteriorating Items, Stock-Dependent Demand, with or without Backorders. Symmetry, 2019, 11, 183.	1.1	2
54	A queueing analysis of multi-purpose production facility's operations. Journal of Industrial and Management Optimization, 2011, 7, 19-30.	0.8	2

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55	On anM1,M2/Gr/1queueing system. Mathematical Problems in Engineering, 2000, 6, 495-503.	0.6	1
56	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
57	Optimal policy of a hybrid queueing system. International Journal of Mathematics in Operational Research, 2010, 2, 424.	0.1	1
58	Optimal control of a continuous-review integrated production — Forecasting system with stock-dependent demand and deteriorating items. , 2011, , .		1
59	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
60	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
61	A single and batch service queue with random breakdowns. International Journal of Services Sciences, 2014, 5, 116.	0.0	1
62	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
63	Entropy Analysis of a Flexible Markovian Queue with Server Breakdowns. Entropy, 2020, 22, 979.	1.1	1
64	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
65	Converge, Version 3.0. Journal of Applied Mathematics and Stochastic Analysis, 1993, 6, 281-285.	0.3	0
66	A quorum queueing system with unreliable server and restricted admission. International Journal of Applied Management Science, 2011, 3, 174.	0.1	0
67	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
68	Predictive Control of a Production System that Uses Advertising. Arabian Journal for Science and Engineering, 2017, 42, 2961-2969.	1.7	0
69	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
70	Augmented Lagrangian Approach to the Newsvendor Model with Component Commonality. Mathematical and Computational Applications, 2019, 24, 55.	0.7	0
71	Joint optimization of the marketing and operations functions. Opsearch, 0, , 1.	1.1	0
72	Filtering and M-ary Detection in a Minimal Repair Maintenance Model. Springer Series in Reliability Engineering, 2011, , 207-221.	0.3	0

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73	Optimal Policy for an Unreliable Service System. , 2014, , 1711-1724.		0
74	Optimal Control of the Integrated Marketing-Production Planning Problem. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 349-370.	0.3	0
75	Analysis of Two Phases Queue With Vacations and Breakdowns Under T-Policy. , 2018, , 1570-1583.		0
76	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
77	Entropy maximization for the busy period of a single server queue. Communications in Statistics - Theory and Methods, 0, , 1-11.	0.6	0