Antonis Economou

List of Publications by Year
in descending order

68 papers	1,686 citations	279487 23 h-index	315357 38 g-index
70 all docs	70 docs citations	70 times ranked	507 citing authors

#	Article	IF	Citations
1	Equilibrium customer strategies in aÂsingle server Markovian queue with setup times. Queueing Systems, 2007, 56, 213-228.	0.6	154
2	Equilibrium balking strategies in the observable single-server queue with breakdowns and repairs. Operations Research Letters, 2008, 36, 696-699.	0.5	149
3	Optimal and equilibrium balking strategies in the single server Markovian queue with catastrophes. European Journal of Operational Research, 2012, 218, 708-715.	3.5	91
4	Equilibrium customer strategies and social-profit maximization in the single-server constant retrial queue. Naval Research Logistics, 2011, 58, 107-122.	1.4	86
5	Optimal balking strategies in single-server queues with general service and vacation times. Performance Evaluation, 2011, 68, 967-982.	0.9	63
6	Analysis of a Multiserver Queue with Setup Times. Queueing Systems, 2005, 51, 53-76.	0.6	60
7	Equilibrium balking strategies for a clearing queueing system in alternating environment. Annals of Operations Research, 2013, 208, 489-514.	2.6	58
8	Optimal balking strategies and pricing for the single server Markovian queue with compartmented waiting space. Queueing Systems, 2008, 59, 237-269.	0.6	57
9	A continuous-time Markov chain under the influence of a regulating point process and applications in stochastic models with catastrophes. European Journal of Operational Research, 2003, 149, 625-640.	3.5	55
10	Strategic Customers in a Transportation Station: When Is It Optimal to Wait?. Operations Research, 2014, 62, 910-925.	1.2	44
11	Equilibrium joining strategies in batch service queueing systems. European Journal of Operational Research, 2017, 260, 1142-1151.	3.5	44
12	The effect of catastrophes on the strategic customer behavior in queueing systems. Naval Research Logistics, 2013, 60, 571-587.	1.4	41
13	A stochastic SIS epidemic model with heterogeneous contacts. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 78-97.	1.2	36
14	Evaluating growth measures in an immigration process subject to binomial and geometric catastrophes. Mathematical Biosciences and Engineering, 2007, 4, 573-594.	1.0	35
15	Synchronized reneging in queueing systems withÂvacations. Queueing Systems, 2009, 62, 1-33.	0.6	34
16	Alternative Approaches for the Transient Analysis of Markov Chains with Catastrophes. Journal of Statistical Theory and Practice, 2008, 2, 183-197.	0.3	33
17	Synchronized abandonments in a single server unreliable queue. European Journal of Operational Research, 2010, 203, 143-155.	3.5	31
18	Applications of maximum queue lengths to call center management. Computers and Operations Research, 2007, 34, 983-996.	2.4	30

#	ARTICLE	IF	CITATIONS
19	The stochastic SEIR model before extinction: Computational approaches. Applied Mathematics and Computation, 2015, 265, 1026-1043.	1.4	29
20	On the number of recovered individuals in the SIS and SIR stochastic epidemic models. Mathematical Biosciences, 2010, 228, 45-55.	0.9	28
21	The compound Poisson immigration process subject to binomial catastrophes. Journal of Applied Probability, 2004, 41, 508-523.	0.4	25
22	Algorithmic analysis of the Geo/Geo/c retrial queue. European Journal of Operational Research, 2008, 189, 1042-1056.	3.5	25
23	Product form stationary distributions for queueing networks with blocking and rerouting. Queueing Systems, 1998, 30, 251-260.	0.6	24
24	The maximum number of infected individuals in SIS epidemic models: Computational techniques and quasi-stationary distributions. Journal of Computational and Applied Mathematics, 2010, 233, 2563-2574.	1.1	24
25	The Single Server Queue with Catastrophes and Geometric Reneging. Methodology and Computing in Applied Probability, 2013, 15, 595-621.	0.7	24
26	Stochastic epidemic models with random environment: quasi-stationarity, extinction and final size. Journal of Mathematical Biology, 2013, 67, 799-831.	0.8	22
27	Generalized product-form stationary distributions for Markov chains in random environments with queueing applications. Advances in Applied Probability, 2005, 37, 185-211.	0.4	21
28	Algorithmic approximations for the busy period distribution of the M/M/c retrial queue. European Journal of Operational Research, 2007, 176, 1687-1702.	3.5	19
29	The Batch Markovian Arrival Process Subject to Renewal Generated Geometric Catastrophes. Stochastic Models, 2007, 23, 211-233.	0.3	18
30	Strategic behavior in an observable fluid queue with an alternating service process. European Journal of Operational Research, 2016, 254, 148-160.	3.5	18
31	Strategic customer behavior in a queueing system with delayed observations. Queueing Systems, 2017, 86, 389-418.	0.6	18
32	The single server vacation queueing model with geometric abandonments. Journal of Statistical Planning and Inference, 2011, 141, 2863-2877.	0.4	17
33	On the control of a compound immigration process through total catastrophes. European Journal of Operational Research, 2003, 147, 522-529.	3.5	16
34	Equilibrium threshold joining strategies in partially observable batch service queueing systems. Annals of Operations Research, 2019, 277, 231-253.	2.6	16
35	Strategic customer behavior in a queueing system with alternating information structure. European Journal of Operational Research, 2021, 291, 1024-1040.	3.5	16
36	Algorithmic Analysis of the Maximum Queue Length in a Busy Period for the M/M/c Retrial Queue. INFORMS Journal on Computing, 2007, 19, 121-126.	1.0	14

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37	Stochastic epidemic models revisited: analysis of some continuous performance measures. Journal of Biological Dynamics, 2012, 6, 189-211.	0.8	14
38	Performance analysis of a cellular mobile network with retrials and guard channels using waiting and first passage time measures. European Transactions on Telecommunications, 2009, 20, 389-401.	1.2	13
39	A probabilistic approach for the analysis of the $M_n/G/1$ queue. Annals of Operations Research, 2022, 317, 19-27.	2.6	13
40	Strategic customer behavior in a two-stage batch processing system. Queueing Systems, 2019, 93, 3-29.	0.6	13
41	NECESSARY AND SUFFICIENT CONDITIONS FOR THE STOCHASTIC COMPARISON OF JACKSON NETWORKS. Probability in the Engineering and Informational Sciences, 2003, 17, 143-151.	0.6	12
42	The value of reneging for strategic customers in queueing systems with server vacations/failures. European Journal of Operational Research, 2022, 299, 960-976.	3.5	11
43	Title is missing!. Queueing Systems, 2002, 40, 407-432.	0.6	10
44	On the Stationary Distribution of theGIX/MY/1 Queueing System. Stochastic Analysis and Applications, 2003, 21, 559-565.	0.9	10
45	The compound Poisson immigration process subject to binomial catastrophes. Journal of Applied Probability, 2004, 41, 508-523.	0.4	10
46	Optimal control and performance analysis of anMX/M/1queue with batches of negative customers. RAIRO - Operations Research, 2004, 38, 121-151.	1.0	10
47	Markovian Controllable Queueing Systems with Hysteretic Policies: Busy Period and Waiting Time Analysis. Methodology and Computing in Applied Probability, 2005, 7, 353-378.	0.7	10
48	q-SERIES IN MARKOV CHAINS WITH BINOMIAL TRANSITIONS. Probability in the Engineering and Informational Sciences, 2009, 23, 75-99.	0.6	10
49	The state-dependent MÂ/ÂGÂ/Â1 queue with orbit. Queueing Systems, 2018, 90, 89-123.	0.6	9
50	The Single Server Queue with Synchronized Services. Stochastic Models, 2010, 26, 617-648.	0.3	7
51	The deterministic SIS epidemic model in a Markovian random environment. Journal of Mathematical Biology, 2016, 73, 91-121.	0.8	7
52	A stochastic lower bound for assemble-transfer batch service queueing networks. Journal of Applied Probability, 2000, 37, 881-889.	0.4	5
53	The impact of reneging on a fluid on-off queue with strategic customers. Annals of Operations Research, 2023, 331, 629-647.	2.6	5
54	Product form stationary distributions for the M|G|k group-arrival group-departure loss system under a general acceptance policy. European Journal of Operational Research, 1999, 112, 196-206.	3.5	4

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55	On the stochastic domination for batch-arrival, batch-service and assemble-transfer queueing networks. Journal of Applied Probability, 2003, 40, 1103-1120.	0.4	4
56	GEOMETRIC-FORM BOUNDS FOR THE GIX/M/1 QUEUEING SYSTEM. Probability in the Engineering and Informational Sciences, 1999, 13, 509-520.	0.6	3
57	A NEW APPROACH FOR THE STUDY OF THE MX/G/1 QUEUE USING RENEWAL ARGUMENTS. Stochastic Analysis and Applications, 2001, 19, 151-156.	0.9	3
58	Increasing social welfare with delays: Strategic customers in the M/G/1 orbit queue. Production and Operations Management, 0, , .	2.1	3
59	Overall station balance and decomposability for non-Markovian queueing networks. Advances in Applied Probability, 1998, 30, 870-887.	0.4	2
60	On the stochastic domination for batch-arrival, batch-service and assemble-transfer queueing networks. Journal of Applied Probability, 2003, 40, 1103-1120.	0.4	2
61	Editorial introduction to the special issue on 'Strategic queueing: game-theoretic models in queueing theory'—part 1. Queueing Systems, 2020, 96, 201-203.	0.6	2
62	Overall station balance and decomposability for non-Markovian queueing networks. Advances in Applied Probability, 1998, 30, 870-887.	0.4	2
63	A stochastic lower bound for assemble-transfer batch service queueing networks. Journal of Applied Probability, 2000, 37, 881-889.	0.4	2
64	How much information should be given to the strategic customers of a queueing system?. Queueing Systems, 2022, 100, 421-423.	0.6	2
65	The State-Dependent M/G/1 Queue with Orbit: Analysis and Strategic Customer Behavior. SSRN Electronic Journal, 0, , .	0.4	1
66	Editorial introduction to the special issue on 'Strategic Queueing: Game-Theoretic Models in Queueing Theory'—part 2. Queueing Systems, 2021, 97, 221-222.	0.6	1
67	Routing of Strategic Passengers in a Transportation Station. Lecture Notes in Computer Science, 2021, , 308-324.	1.0	1
68	Stationary Distributions of Discrete-Time Markov Chains in Random Environment: Exact Computations and Bounds. Stochastic Models, 2004, 20, 103-127.	0.3	0