Yacov Satin

List of Publications by Year
in descending order

43 papers	293 citations	1040056 9 h-index	940533 16 g-index
43 all docs	43 docs citations	43 times ranked	53 citing authors

#	Article	IF	Citations
1	Some universal limits for nonhomogeneous birth and death processes. Queueing Systems, 2006, 52, 139-151.	0.9	60
2	On truncations for weakly ergodic inhomogeneous birth and death processes. International Journal of Applied Mathematics and Computer Science, 2014, 24, 503-518.	1.5	34
3	Perturbation bounds and truncations for a class of Markovian queues. Queueing Systems, 2014, 76, 205-221.	0.9	28
4	Limiting characteristics for finite birth–death-catastrophe processes. Mathematical Biosciences, 2013, 245, 96-102.	1.9	18
5	On the Rate of Convergence and Truncations for a Class of Markovian Queueing Systems. Theory of Probability and Its Applications, 2013, 57, 529-539.	0.3	16
6	Two Approaches to the Construction of Perturbation Bounds for Continuous-Time Markov Chains. Mathematics, 2020, 8, 253.	2.2	16
7	Bounds on the rate of convergence for one class of inhomogeneous Markovian queueing models with possible batch arrivals and services. International Journal of Applied Mathematics and Computer Science, 2018, 28, 141-154.	1.5	15
8	Facilitating Numerical Solutions of Inhomogeneous Continuous Time Markov Chains Using Ergodicity Bounds Obtained with Logarithmic Norm Method. Mathematics, 2021, 9, 42.	2.2	15
9	Truncation Bounds for Approximations of Inhomogeneous Continuous-Time Markov Chains. Theory of Probability and Its Applications, 2017, 61, 513-520.	0.3	11
10	Ergodicity and Perturbation Bounds for Inhomogeneous Birth and Death Processes with Additional Transitions from and to the Origin. International Journal of Applied Mathematics and Computer Science, 2015, 25, 787-802.	1.5	9
11	On Probability Characteristics for a Class of Queueing Models with Impatient Customers. Mathematics, 2020, 8, 594.	2.2	8
12	On the Rate of Convergence and Limiting Characteristics for a Nonstationary Queueing Model. Mathematics, 2019, 7, 678.	2.2	7
13	Queuing System with Unreliable Servers and Inhomogeneous Intensities for Analyzing the Impact of Non-Stationarity to Performance Measures of Wireless Network under Licensed Shared Access. Mathematics, 2020, 8, 800.	2.2	7
14	Ergodicity and truncation bounds for inhomogeneous birth and death processes with additional transitions from and to origin. Stochastic Models, 2017, 33, 598-616.	0.5	6
15	On Sharp Bounds on the Rate of Convergence for Finite Continuous-Time Markovian QueueingÂModels. Lecture Notes in Computer Science, 2018, , 20-28.	1.3	5
16	Applications of differential inequalities to bounding the rate of convergence for continuous-time Markov chains. AIP Conference Proceedings, 2019, , .	0.4	4
17	On the Rate of Convergence for a Characteristic of Multidimensional Birth-Death Process. Mathematics, 2019, 7, 477.	2.2	3
18	On a Queueing Model with Group Services. Communications in Computer and Information Science, 2013, , 198-205.	0.5	3

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19	Bounds For Markovian Queues With Possible Catastrophes. , 2017, , .		3
20	On the ergodicity bounds for a constant retrial rate queueing model. , 2016, , .		2
21	On a class of Markovian queuing systems described by inhomogeneous birth-and-death processes with additional transitions. Doklady Mathematics, 2016, 94, 502-505.	0.6	2
22	Two-Sided Truncations for a Class of Continuous-Time Markov Chains. Communications in Computer and Information Science, 2017, , 312-323.	0.5	2
23	On the Bounds for a Two-Dimensional Birth-Death Process with Catastrophes. Mathematics, 2018, 6, 80.	2.2	2
24	Two-Sided Truncations Of Inhomogeneous Birth-Death Processes. , 2016, , .		2
25	Uniform In Time Bounds For â€œNo-Waitâ€•Probability In Queues Of Mt/Mt/S Type. , 2016, , .		2
26	On Mt /Mt /S Type Queue With Group Services. , 2013, , .		2
27	On Truncations For SZK Model. , 2014, , .		2
28	On stability for M<inf>t</inf>/M<inf>t</inf>/N/N queue. , 2010, , .		1
29	On Certain Average Characteristics of Finite Continuous-Time Markov Chains. Journal of Mathematical Sciences, 2015, 205, 100-104.	0.4	1
30	Estimation of Probabilities for Multidimensional Birth-Death Processes. Journal of Mathematical Sciences, 2016, 218, 238-244.	0.4	1
31	On the null ergodicity bounds for a retrial queueing model. AIP Conference Proceedings, 2017, , .	0.4	1
32	Ergodicity and perturbation bounds for Mt/Mt/1 queue with balking, catastrophes, server failures and repairs. RAIRO - Operations Research, 2021, 55, 2223-2240.	1.8	1
33	Bounds on the Rate of Convergence for MtX/MtX/1 Queueing Models. Mathematics, 2021, 9, 1752.	2.2	1
34	On Truncations For A Class Of Finite Markovian Queuing Models. , 2015, , .		1
35	Bounds on the Rate of Convergence for Nonstationary $$M^X/M_n/1$$ Queue with Catastrophes and State-Dependent Control at Idle Time. Lecture Notes in Computer Science, 2020, , 143-149.	1.3	1
36	Convergence Bounds for Limited Processor Sharing Queue with Impatience for Analyzing Non-Stationary File Transfer in Wireless Network. Mathematics, 2022, 10, 30.	2.2	1

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37	Ergodicity bounds for birth-death processes with particularities. AIP Conference Proceedings, 2016, , .	0.4	0
38	On the Estimates of Average Characteristics of Some Birth and Death Processes. Journal of Mathematical Sciences, 2017, 220, 734-741.	0.4	0
39	On Truncations for a Retrial Queueing Model. Journal of Mathematical Sciences, 2018, 234, 786-792.	0.4	0
40	Upper bounds on the rate of convergence for constant retrial rate queueing model with two servers. Statistical Papers, 2018, 59, 1271-1282.	1.2	0
41	Convergence Rate Estimates for Some Models of Queuing Theory, and Their Applications. Springer Proceedings in Mathematics and Statistics, 2020, , 41-51.	0.2	0
42	Application of Method of Differential Inequalities to Bounding the Rate of Convergence for a Class of Markov Chains. Springer Proceedings in Mathematics and Statistics, 2020, , 95-103.	0.2	0
43	Bounding the Rate of Convergence for One Class of Finite Capacity Time Varying Markov Queues. Lecture Notes in Computer Science, 2020, , 148-159.	1.3	0