Yacov Satin

List of Publications by Year
in descending order

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43	293	1040056	940533
papers	citations	9 h-index	16 g-index

43	43	43	53
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Bounds on the Rate of Convergence for MtX/MtX/1 Queueing Models. Mathematics, 2021, 9, 1752.	2.2	1
4	Facilitating Numerical Solutions of Inhomogeneous Continuous Time Markov Chains Using Ergodicity Bounds Obtained with Logarithmic Norm Method. Mathematics, 2021, 9, 42.	2.2	15
5	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
6	Two Approaches to the Construction of Perturbation Bounds for Continuous-Time Markov Chains. Mathematics, 2020, 8, 253.	2.2	16
7	On Probability Characteristics for a Class of Queueing Models with Impatient Customers. Mathematics, 2020, 8, 594.	2.2	8
8	Convergence Rate Estimates for Some Models of Queuing Theory, and Their Applications. Springer Proceedings in Mathematics and Statistics, 2020, , 41-51.	0.2	0
9	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
10	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
11	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
12	On the Rate of Convergence for a Characteristic of Multidimensional Birth-Death Process. Mathematics, 2019, 7, 477.	2.2	3
13	On the Rate of Convergence and Limiting Characteristics for a Nonstationary Queueing Model. Mathematics, 2019, 7, 678.	2.2	7
14	Applications of differential inequalities to bounding the rate of convergence for continuous-time Markov chains. AIP Conference Proceedings, 2019, , .	0.4	4
15	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
16	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
17	On the Bounds for a Two-Dimensional Birth-Death Process with Catastrophes. Mathematics, 2018, 6, 80.	2.2	2
18	On Truncations for a Retrial Queueing Model. Journal of Mathematical Sciences, 2018, 234, 786-792.	0.4	0

#	Article	IF	Citations
19	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
20	On the Estimates of Average Characteristics of Some Birth and Death Processes. Journal of Mathematical Sciences, 2017, 220, 734-741.	0.4	0
21	Two-Sided Truncations for a Class of Continuous-Time Markov Chains. Communications in Computer and Information Science, 2017, , 312-323.	0.5	2
22	Truncation Bounds for Approximations of Inhomogeneous Continuous-Time Markov Chains. Theory of Probability and Its Applications, 2017, 61, 513-520.	0.3	11
23	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
24	On the null ergodicity bounds for a retrial queueing model. AIP Conference Proceedings, 2017, , .	0.4	1
25	Bounds For Markovian Queues With Possible Catastrophes. , 2017, , .		3
26	On the ergodicity bounds for a constant retrial rate queueing model. , 2016, , .		2
27	Estimation of Probabilities for Multidimensional Birth-Death Processes. Journal of Mathematical Sciences, 2016, 218, 238-244.	0.4	1
28	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
29	Ergodicity bounds for birth-death processes with particularities. AIP Conference Proceedings, 2016, , .	0.4	0
30	Two-Sided Truncations Of Inhomogeneous Birth-Death Processes. , 2016, , .		2
31	Uniform In Time Bounds For â€œNo-Waitâ€•Probability In Queues Of Mt/Mt/S Type. , 2016, , .		2
32	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
33	On Certain Average Characteristics of Finite Continuous-Time Markov Chains. Journal of Mathematical Sciences, 2015, 205, 100-104.	0.4	1
34	On Truncations For A Class Of Finite Markovian Queuing Models. , 2015, , .		1
35	Perturbation bounds and truncations for a class of Markovian queues. Queueing Systems, 2014, 76, 205-221.	0.9	28
36	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

#	Article	IF	Citations
37	On Truncations For SZK Model. , 2014, , .		2
38	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
39	Limiting characteristics for finite birthâ€“death-catastrophe processes. Mathematical Biosciences, 2013, 245, 96-102.	1.9	18
40	On a Queueing Model with Group Services. Communications in Computer and Information Science, 2013, , 198-205.	0.5	3
41	On Mt /Mt /S Type Queue With Group Services. , 2013, , .		2
42	On stability for M<inf>t</inf>/M<inf>t</inf>/N/N queue. , 2010, , .		1
43	Some universal limits for nonhomogeneous birth and death processes. Queueing Systems, 2006, 52, 139-151.	0.9	60