Senthil Kumar Muthukrihnan

List of Publications by Year
in descending order

		1307594	1125743
26 papers	**175** citations	**7** h-index	**13** g-index
28 all docs	**28** docs citations	**28** times ranked	**167** citing authors

#	Article	IF	Citations
1	System Dynamics of a Refined Epidemic Model for Infection Propagation Over Complex Networks. IEEE Systems Journal, 2016, 10, 1316-1325.	4.6	29
2	An M^X/G/1 retrial queue with two-phase service subject to active server breakdowns and two types of repair. International Journal of Operational Research, 2010, 8, 261.	0.2	27
3	On the Single Server Batch Arrival Retrial Queue with General Vacation Time under Bernoulli Schedule and Two phases of Heterogeneous Service. Quality Technology and Quantitative Management, 2008, 5, 145-160.	1.9	18
4	Mean-Field Dynamics of Inter-Switching Memes Competing Over Multiplex Social Networks. IEEE Communications Letters, 2017, 21, 967-970.	4.1	16
5	Optimal Control of Malware Spreading Model with Tracing and Patching in Wireless Sensor Networks. Wireless Personal Communications, 2021, 117, 2061-2083.	2.7	15
6	Hierarchical optimization of green routing for mobile advertisement vehicle. Journal of Cleaner Production, 2020, 258, 120661.	9.3	12
7	Optimal control of a rumor model with group propagation over complex networks. International Journal of Modern Physics C, 2021, 32, 2150035.	1.7	9
8	Performance analysis of an M/G/1 retrial queue with general retrial time, modified M-vacations and collision. Operational Research, 2017, 17, 649-667.	2.0	7
9	Stability and Immunization Analysis of a Malware Spread Model over Scale-Free Networks. IEEE Communications Letters, 2014, , 1-1.	4.1	6
10	Dynamic behaviour of competing memes' spread with alert influence in multiplex social-networks. Computing (Vienna/New York), 2019, 101, 1177-1197.	4.8	6
11	Delay Analysis of Orderly Reattempts in Retrial Queueing System with Phase Type Retrial Time. IEEE Communications Letters, 2013, 17, 822-825.	4.1	4
12	On the Retrial-Queuing Model for Strategic Access and Equilibrium-Joining Strategies of Cognitive Users in Cognitive-Radio Networks with Energy Harvesting. Energies, 2021, 14, 2088.	3.1	4
13	Cost analysis of a bulk service retrial queue. International Journal of Operational Research, 2012, 14, 94.	0.2	3
14	Dynamics of COVID-19 spreading model with social media public health awareness diffusion over multiplex networks: Analysis and control. International Journal of Modern Physics C, 2021, 32, 2150060.	1.7	3
15	Heterogeneous Projection of Disruptive Malware Prevalence in Mobile Social Networks. IEEE Communications Letters, 2020, 24, 1673-1677.	4.1	3
16	Transient analysis of a resource-limited recovery policy for epidemics: A retrial queueing approach. , 2016, , .		2
17	Performance analysis of an unreliable M/G/1 retrial queue with two-way communication. Operational Research, 2020, 20, 2267-2280.	2.0	2
18	Optimal control of alcoholism spreading through awareness over multiplex network. International Journal of Biomathematics, 2021, 14, 2150038.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Dynamics of Trachoma Epidemic in Human Contact Network with Seasonally Varying Infectious Medium. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2021, 91, 623-631.	1.2	2
20	Mathematical model of a dynamic transmission of novel coronavirus (COVID-19) pandemic in the World. Journal of Statistics and Management Systems, 0, , 1-21.	0.6	2
21	Overlay secondary spectrum sharing with independent re-attempts in cognitive radios. , 2016, , .		1
22	Computational Intelligence, Cyber Security and Computational Models. Advances in Intelligent Systems and Computing, 2016, , .	0.6	1
23	Computational Intelligence, Cyber Security and Computational Models. Advances in Intelligent Systems and Computing, 2014, , .	0.6	1
24	A discrete-time Geo$^{[X]}$/G/1 retrial queue with general retrial time and M-additional options for service. RAIRO - Operations Research, 2011, 45, 131-152.	1.8	0
25	Fuzzy VEISV Epidemic Propagation Modeling for Network Worm Attack. Advances in Intelligent Systems and Computing, 2014, , 293-303.	0.6	0
26	Dynamics of Multi-Strain Malware Epidemics over Duty-Cycled Wireless Sensor Networks. , 2021, , .		0