

# Lillykutty Jacob

## List of Publications by Year in descending order

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62  
papers

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687335

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62  
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docs citations

62  
times ranked

668  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fairness Analysis of IEEE 802.11 Multirate Wireless LANs. IEEE Transactions on Vehicular Technology, 2007, 56, 3073-3088.	6.3	63
2	Localization Using Ray Tracing for Underwater Acoustic Sensor Networks. IEEE Communications Letters, 2010, 14, 930-932.	4.1	62
3	Distributed Resource Allocation for D2D Communications Underlying Cellular Networks in Time-Varying Environment. IEEE Communications Letters, 2018, 22, 388-391.	4.1	58
4	TCP Vegas-A: Improving the Performance of TCP Vegas. Computer Communications, 2005, 28, 429-440.	5.1	42
5	Performance of some metaheuristic algorithms for localization in wireless sensor networks. International Journal of Network Management, 2009, 19, 355-373.	2.2	25
6	Distributed wireless sensor network localization using stochastic proximity embedding. Computer Communications, 2010, 33, 745-755.	5.1	21
7	Proportional fair resource allocation in vehicle-to-infrastructure networks for drive-thru Internet applications. Computer Communications, 2014, 40, 33-50.	5.1	20
8	Interference Mitigation for Coexisting Wireless Body Area Networks: Distributed Learning Solutions. IEEE Access, 2020, 8, 24209-24218.	4.2	20
9	Delay and Lifetime Performance of Underwater Wireless Sensor Networks with Mobile Element Based Data Collection. International Journal of Distributed Sensor Networks, 2015, 11, 128757.	2.2	17
10	Energy Efficient MAC for QoS Traffic in Wireless Body Area Network. International Journal of Distributed Sensor Networks, 2015, 11, 404182.	2.2	15
11	Resource Allocation for CoMP Enabled URLLC in 5G C-RAN Architecture. IEEE Systems Journal, 2021, 15, 4864-4875.	4.6	15
12	Lifetime and latency analysis of IEEE 802.15.6 WBAN with interrupted sleep mechanism. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 865-878.	1.3	14
13	Network lifetime-aware data collection in Underwater Sensor Networks for delay-tolerant applications. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 1645-1664.	1.3	14
14	A cross-layer design for congestion control in UWB-based wireless sensor networks. International Journal of Sensor Networks, 2009, 5, 223.	0.4	12
15	Improving network lifetime and reliability for machine type communications based on LOADng routing protocol. Ad Hoc Networks, 2018, 73, 27-39.	5.5	12
16	On making TCP robust against spurious retransmissions. Computer Communications, 2005, 28, 25-36.	5.1	11
17	Distributed learning approach for joint channel and power allocation in underlay D2D networks. , 2016, , .		11
18	Power-aware range-free wireless sensor network localization using neighbor distance distribution. Wireless Communications and Mobile Computing, 2013, 13, 460-482.	1.2	10

#	ARTICLE	IF	CITATIONS
19	A framework for the IPv6 based implementation of a reactive routing protocol in ns-3: Case study using LOADng. Simulation Modelling Practice and Theory, 2018, 82, 32-54.	3.8	10
20	Secure hybrid routing with micro/macro-mobility handoff mechanisms for urban wireless mesh networks. International Journal of Security and Networks, 2008, 3, 258.	0.2	9
21	Underwater localization using stochastic proximity embedding and multi-dimensional scaling. Wireless Networks, 2013, 19, 1679-1690.	3.0	9
22	Fully distributed joint resource allocation in ultra-dense D2D networks: a utility-based learning approach. IET Communications, 2018, 12, 2393-2400.	2.2	8
23	Availability Maximization Framework for CoMP Enabled URLLC With Short Packets. IEEE Networking Letters, 2020, 2, 1-4.	1.9	8
24	Hop-by-Hop versus End-to-End Congestion Control in Wireless Multi-Hop UWB Networks. , 2007, , .		7
25	An Occupancy Based Cyber-Physical System Design for Intelligent Building Automation. Mathematical Problems in Engineering, 2015, 2015, 1-15.	1.1	7
26	Maximum lifetime routing in underwater sensor networks using mobile sink for delay-tolerant applications. , 2015, , .		7
27	Accurate Localization Under Correlated Errors for Underwater Acoustic Sensor Networks. International Journal of Wireless Information Networks, 2013, 20, 375-384.	2.7	6
28	Joint Congestion and Power Control in UWB Based Wireless Sensor Networks. , 2007, , .		5
29	Joint resource block and power allocation through distributed learning for energy efficient underlay D2D communication with rate guarantee. Computer Communications, 2020, 159, 26-36.	5.1	5
30	Simultaneous wireless information and power transfer in heterogeneous cellular networks with underlay D2D communication. Wireless Networks, 2020, 26, 3315-3330.	3.0	5
31	Corruption and reordering robust TCP-friendly rate control. Computer Communications, 2005, 28, 97-107.	5.1	4
32	Improving aggregate utility in IEEE 802.11p based vehicle-to-infrastructure networks. Telecommunication Systems, 2016, 61, 359-385.	2.5	4
33	Resource availability-aware adaptive provisioning of virtual data center networks. International Journal of Network Management, 2019, 29, e2066.	2.2	4
34	Opportunistic live migration of virtual machines. Concurrency Computation Practice and Experience, 2020, 32, e5477.	2.2	4
35	A Secure IPv6-based Urban Wireless Mesh Network (SUMNv6). Computer Communications, 2008, 31, 3707-3718.	5.1	3
36	Lifetime enhancement in sparse underwater acoustic sensor networks using mobile elements. , 2014, , .		3

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37	Utility-Based resource allocation for underlay D2D networks. , 2017, , .		3
38	Distributed Learning Algorithm for Interference Avoidance in Coexisting WBANs. , 2018, , .		3
39	Selecting suitable virtual machine migrations for optimal provisioning of virtual data centers. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2018, 18, 22-32.	0.9	3
40	Distributed interference-aware admission control and resource allocation for underlaying D2D communications in cellular networks. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	3
41	Localization in Ultra Wideband sensor networks using Tabu search. , 2008, , .		2
42	Analysis and Modeling of Realistic Compound Channels in Transparent Relay Transmissions. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	2
43	Energy and bandwidth efficient multipath-enhanced LOADng routing protocol. , 2016, , .		2
44	Distributed cooperative spectrum sensing with multiple coalitions and non-ideal reporting channel. , 2017, , .		2
45	Learning algorithms for joint resource block and power allocation in underlay D2D networks. Telecommunication Systems, 2018, 69, 285-301.	2.5	2
46	Comparative performance of scheduling strategies for switching and multiplexing in a hub based ATM network: a simulation study. Computer Networks, 1998, 30, 1341-1354.	1.0	1
47	A Light-Weight Secure Key Setup and Signaling Architecture for Wireless Mesh Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2008, 25, 168.	3.2	1
48	Scheduling and power control for MAC layer design in multihop IR&UWB networks. International Journal of Network Management, 2010, 20, 1-19.	2.2	1
49	Localization using stochastic proximity embedding for underwater Acoustic Sensor Networks. , 2012, , .		1
50	Co-operative MAC protocol: Performance modeling and analysis. , 2013, , .		1
51	Terrain dependant hop count selection for transparent relay transmissions. Journal of Engineering, 2013, 2013, 80-82.	1.1	1
52	Terrain based system design and SNR variability prediction in multi-hop transparent relay transmission systems. Physical Communication, 2014, 13, 120-132.	2.1	1
53	A Game theoretic approach for performance enhancement of IEEE 802.15.6 based WBAN. , 2016, , .		1
54	On the Necessity of Right Optimizations for Live Migration of Virtual Machines. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
55	Parallel Schedule of Live Migrations for Virtual Machine Placements. , 2018, , .		1
56	Cognitive Sub-band Scheduling and Link Adaptation for 5G URLLC. IEEE Transactions on Cognitive Communications and Networking, 2021, , 1-1.	7.9	1
57	Game approach for access point selection and bandwidth allocation in co-existing WBANs. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	1
58	Medical QoS provisioning for multi-class data in coexisting wireless body area networks. Telecommunication Systems, 2022, 79, 151.	2.5	1
59	Interference and priority aware resource allocation in coexisting WBANs using game models. Physical Communication, 2022, 53, 101750.	2.1	1
60	Wireless and mobile network management research in Asia. International Journal of Network Management, 2007, 17, 103-105.	2.2	0
61	Computationally efficient routing for large scale wireless sensor networks. , 2011, , .		0
62	End-to-end delay and energy efficiency of multihop wireless networks with cooperative MAC. , 2018, , .		0