Nitin H Vaidya

List of Publications by Year
in descending order

50 papers	3,820 citations	567281 15 h-index	580821 25 g-index
50 all docs	50 docs citations	50 times ranked	1727 citing authors

#	Article	IF	Citations
1	Multi-channel mac for ad hoc networks. , 2004, , .		1,037
2	Using directional antennas for medium access control in ad hoc networks. , 2002, , .		513
3	Routing and link-layer protocols for multi-channel multi-interface ad hoc wireless networks. Mobile Computing and Communications Review, 2006, 10, 31-43.	1.7	359
4	Capacity of multi-channel wireless networks. , 2005, , .		342
5	Scheduling data broadcast in asymmetric communication environments. Wireless Networks, 1999, 5, 171-182.	3.0	252
6	A Power Control MAC Protocol for Ad Hoc Networks. Wireless Networks, 2005, 11, 55-66.	3.0	154
7	Iterative approximate byzantine consensus in arbitrary directed graphs. , 2012, , .		136
8	Efficient algorithms for scheduling data broadcast. Wireless Networks, 1999, 5, 183-193.	3.0	124
9	A Mutual Exclusion Algorithm for Ad Hoc Mobile Networks. Wireless Networks, 2001, 7, 585-600.	3.0	97
10	MAC-layer anycasting in ad hoc networks. Computer Communication Review, 2004, 34, 75-80.	1.8	84
11	Impact of Directional Antennas on Ad Hoc Routing. Lecture Notes in Computer Science, 2003, , 590-600.	1.3	77
12	Resilient Networked Control of Distributed Energy Resources. IEEE Journal on Selected Areas in Communications, 2012, 30, 1137-1148.	14.0	74
13	Performance of ad hoc routing using directional antennas. Ad Hoc Networks, 2005, 3, 157-173.	5.5	52
14	On reliable broadcast in a radio network. , 2005, , .		50
15	A case for two-level distributed recovery schemes. , 1995, , .		46
16	Iterative Byzantine Vector Consensus in Incomplete Graphs. Lecture Notes in Computer Science, 2014, , 14-28.	1.3	42
17	Improving IEEE 802.11 power saving mechanism. Wireless Networks, 2008, 14, 375-391.	3.0	40
18	Capacity of multi-channel wireless networks with random (c, f) assignment. , 2007, , .		36

#	Article	IF	Citations
19	Byzantine vector consensus in complete graphs. , 2013, , .		35
20	Fault-Tolerant Consensus in Directed Graphs. , 2015, , .		29
21	RFID reader collision problem: performance analysis and medium access. Wireless Communications and Mobile Computing, 2012, 12, 420-430.	1.2	23
22	Robust average consensus over packet dropping links: Analysis via coefficients of ergodicity. , 2012, , .		19
23	Defending non-Bayesian learning against adversarial attacks. Distributed Computing, 2019, 32, 277-289.	0.8	19
24	Non-Bayesian Learning in the Presence of Byzantine Agents. Lecture Notes in Computer Science, 2016, , 414-427.	1.3	17
25	Reaching approximate Byzantine consensus with multi-hop communication. Information and Computation, 2017, 255, 352-368.	0.7	16
26	Response Time in Data Broadcast Systems: Mean, Variance and Tradeoff. Mobile Networks and Applications, 2002, 7, 37-47.	3.3	15
27	Power aware routing using power control in Ad Hoc networks. Mobile Computing and Communications Review, 2005, 9, 7-18.	1.7	14
28	Net-X. Mobile Computing and Communications Review, 2007, 11, 84-95.	1.7	13
29	Ad hoc routing for multilevel power save protocols. Ad Hoc Networks, 2008, 6, 210-225.	5.5	12
30	MAC protocols using directional antennas in IEEE 802.11 based ad hoc networks. Wireless Communications and Mobile Computing, 2008, 8, 783-795.	1.2	10
31	Resilient average consensus in the presence of heterogeneous packet dropping links. , 2012, , .		10
32	Any-MAC: Extending any asynchronous MAC with anycast to improve delay in WSN. , 2011, , .		9
33	Throughput-Optimal CSMA With Imperfect Carrier Sensing. IEEE/ACM Transactions on Networking, 2013, 21, 1636-1650.	3.8	9
34	A Note on Fault-tolerant Consensus in Directed Networks. ACM SIGACT News, 2016, 47, 70-91.	0.1	7
35	Heterogeneous multi-channel wireless networks. Mobile Computing and Communications Review, 2008, 12, 43-45.	1.7	6
36	Link-state routing protocol for multi-channel multi-interface wireless networks. , 2008, , .		6

#	Article	IF	Citations
37	Exploiting routing redundancy using MAC layer anycast to improve delay in WSN. Mobile Computing and Communications Review, 2010, 14, 49-51.	1.7	6
38	Asynchronous Byzantine Approximate Consensus in Directed Networks. , 2020, , .		6
39	RFID Trees: A Distributed RFID Tag Storage Infrastructure for Forest Search and Rescue. , 2010, , .		4
40	A new &#x2018;Direction&#x2019; for source location privacy in wireless sensor networks'. , 2012, , .		4
41	Routing Exploiting Multiple Heterogeneous Wireless Interfaces: A TCP Performance Study. , 2006, , .		3
42	On the mobile wireless access via MIMO relays. , 2009, , .		3
43	A Distributed Throughput-Optimal CSMA with Data Packet Collisions. , 2010, , .		3
44	OCP: Opportunistic Carrier Prediction for wireless networks. , 2010, , .		3
45	Link-state routing without broadcast storming for multichannel mesh networks. Computer Networks, 2010, 54, 330-340.	5.1	2
46	Watchdogs to the rescue: Securing wireless TCP. , 2012, , .		2
47	EIC Editorial. IEEE Transactions on Mobile Computing, 2007, 6, 145-147.	5.8	0
48	Exploiting Space-Time Correlations in an RFID Tag Field for Localization and Tracking. , 2010, , .		0
49	Expanding Horizon and Capture Effect in RFID Singulation. , 2010, , .		0
50	Efficient Access Protocols for High Storage RFID. , 2010, , .		0