

Nadjib Badache

List of Publications by Year in descending order

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49
papers

1,160
citations

471509

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51
all docs

51
docs citations

51
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Connectivity-aware Relay Node Deployment in Grid-based Wireless Sensor Networks. , 2019, , .		2
2	A Survey on Reliability Protocols in Wireless Sensor Networks. ACM Computing Surveys, 2018, 50, 1-47.	23.0	42
3	A New k-Coverage Model To Determine Redundant Sensors in Wireless Sensor Networks. , 2018, , .		3
4	REFIACC: Reliable, efficient, fair and interference-aware congestion control protocol for wireless sensor networks. Computer Communications, 2017, 101, 1-11.	5.1	34
5	A distributed lightweight Redundancy aware Topology Control Protocol for wireless sensor networks. Wireless Networks, 2017, 23, 1779-1792.	3.0	9
6	Performance optimization of duty-cycled MAC in delay-energy constrained sensor network under uniform and nonuniform traffic generation. International Journal of Communication Systems, 2017, 30, e3185.	2.5	3
7	Energy-efficient coverage protocol based on stable and predictive scheduling in wireless sensor networks. Computer Networks, 2017, 127, 1-12.	5.1	13
8	MMSMAC: A Multi-mode Medium Access Control Protocol for Wireless Sensor Networks with Latency and Energy-Awareness. Wireless Personal Communications, 2017, 96, 4973-5010.	2.7	6
9	Performance analysis and evaluation of REFIACC using queuing networks. Simulation Modelling Practice and Theory, 2017, 71, 15-26.	3.8	7
10	Fast authentication in wireless sensor networks. Future Generation Computer Systems, 2016, 55, 362-375.	7.5	67
11	MMSMAC: A multi-mode medium access control protocol for Wireless Sensor Networks. , 2016, , .		0
12	Delay-efficient MAC protocol with traffic differentiation and run-time parameter adaptation for energy-constrained wireless sensor networks. Wireless Networks, 2016, 22, 467-490.	3.0	17
13	Towards Improving Failure Detection in Mobile Ad Hoc Networks. , 2015, , .		4
14	A Group-Based Energy-Saving Algorithm for Sleep/Wake Scheduling and Topology Control in Wireless Sensor Networks. Wireless Personal Communications, 2015, 84, 959-983.	2.7	10
15	Distributed Low-Latency Data Aggregation Scheduling in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2015, 11, 1-36.	3.6	53
16	CCS_WHMS: A Congestion Control Scheme for Wearable Health Management System. Journal of Medical Systems, 2015, 39, 189.	3.6	3
17	Reliable multi-channel scheduling for timely dissemination of aggregated data in wireless sensor networks. Journal of Network and Computer Applications, 2014, 46, 293-304.	9.1	13
18	DZ50: Energy-efficient Wireless Sensor Mote Platform for Low Data Rate Applications. Procedia Computer Science, 2014, 37, 189-195.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Data Aggregation Scheduling Algorithms in Wireless Sensor Networks: Solutions and Challenges. IEEE Communications Surveys and Tutorials, 2014, 16, 1339-1368.	39.4	76
20	RTCP: Redundancy aware Topology Control Protocol for wireless sensor network. , 2014, , .		4
21	Congestion Control Protocols in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 1369-1390.	39.4	142
22	Interference-aware Congestion Control Protocol for Wireless Sensor Networks. Procedia Computer Science, 2014, 37, 181-188.	2.0	16
23	Congestion Detection Strategies in Wireless Sensor Networks: A Comparative Study with Testbed Experiments. Procedia Computer Science, 2014, 37, 168-175.	2.0	23
24	Synchronous contention-based MAC protocols for delay-sensitive wireless sensor networks: A review and taxonomy. Journal of Network and Computer Applications, 2014, 38, 172-184.	9.1	61
25	Towards Improving Failure Detection in Mobile Ad Hoc Networks. , 2014, , .		0
26	Survey on Latency Issues of Asynchronous MAC Protocols in Delay-Sensitive Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 528-550.	39.4	84
27	A Study of Wireless Sensor Networks for Urban Traffic Monitoring: Applications and Architectures. Procedia Computer Science, 2013, 19, 617-626.	2.0	86
28	Exploiting node redundancy for maximizing wireless sensor network lifetime. , 2013, , .		3
29	Efficient data aggregation scheduling in wireless sensor networks with multi-channel links. , 2013, , .		8
30	Enhancing the sensor network lifetime by topology control and sleep-scheduling. , 2013, , .		1
31	Towards an Energy-Efficient Algorithm Based Sleep-Scheduling for Wireless Sensor Networks. , 2012, , .		3
32	Energy-efficient protocol based sleep-scheduling for wireless sensor networks. , 2012, , .		5
33	A study of Wireless Sensor Network Architectures and Projects for Traffic Light Monitoring. Procedia Computer Science, 2012, 10, 543-552.	2.0	24
34	An \hat{a}, \hat{t} -Based Leader Election Algorithm for Mobile Ad Hoc Networks. Communications in Computer and Information Science, 2012, , 483-490.	0.5	6
35	Semi-structured and unstructured data aggregation scheduling in wireless sensor networks. , 2012, , .		38
36	Context-aware adaptation of multimedia documents for consistent presentations. Multimedia Systems, 2011, 17, 465-486.	4.7	3

#	ARTICLE	IF	CITATIONS
37	A Preventive Rerouting Scheme for Avoiding Voids in Wireless Sensor Networks. , 2009, , .		6
38	On eliminating packet droppers in MANET: A modular solution. Ad Hoc Networks, 2009, 7, 1243-1258.	5.5	34
39	Fault-Tolerant Prediction-Based Scheme for Target Tracking Application. , 2009, , .		5
40	Data replication protocols for mobile ad-hoc networks: a survey and taxonomy. IEEE Communications Surveys and Tutorials, 2009, 11, 33-51.	39.4	52
41	Self-stabilizing algorithm for high service availability in spite of concurrent topology changes in ad hoc mobile networks. Journal of Parallel and Distributed Computing, 2008, 68, 752-768.	4.1	2
42	Struggling against selfishness and black hole attacks in MANETs. Wireless Communications and Mobile Computing, 2008, 8, 689-704.	1.2	33
43	A Self-Stabilizing Leader Election Algorithm in Highly Dynamic Ad Hoc Mobile Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 926-939.	5.6	50
44	An Optimal Causal Broadcast Protocol in Mobile Dynamic Groups. , 2008, , .		4
45	Oriented Void Avoidance Scheme for Real-Time Routing Protocols in Wireless Sensor Networks. , 2008, , .		9
46	Efficient Bandwidth and Buffer Management for Multimedia Data Download. , 2007, , .		2
47	A pull-based service replication protocol in mobile ad hoc networks. European Transactions on Telecommunications, 2007, 18, 1-11.	1.2	23
48	New power-aware routing protocol for mobile ad hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2006, 1, 126.	0.5	22
49	Mobi_Causal. Mobile Computing and Communications Review, 2005, 9, 19-28.	1.7	5