Wei Lou

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	2,030 citations	394421 19 h-index	315739 38 g-index
75 all docs	75 docs citations	75 times ranked	1512 citing authors

#	Article	IF	Citations
1	On reducing broadcast redundancy in ad hoc wireless networks. IEEE Transactions on Mobile Computing, 2002, 1, 111-122.	5.8	283
2	Energy-Efficient Wake-Up Scheduling for Data Collection and Aggregation. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 275-287.	5.6	173
3	Forward-node-set-based broadcast in clustered mobile ad hoc networks. Wireless Communications and Mobile Computing, 2003, 3, 155-173.	1.2	118
4	Energy Efficient Target-Oriented Scheduling in Directional Sensor Networks. IEEE Transactions on Computers, 2009, 58, 1259-1274.	3.4	115
5	Extended multipoint relays to determine connected dominating sets in MANETs. IEEE Transactions on Computers, 2006, 55, 334-347.	3.4	101
6	PVA in VANETs: Stopped cars are not silent. , 2011, , .		91
7	Toward Broadcast Reliability in Mobile Ad Hoc Networks with Double Coverage. IEEE Transactions on Mobile Computing, 2007, 6, 148-163.	5.8	78
8	Target-oriented scheduling in directional sensor networks. , 2007, , .		76
9	On protecting end-to-end location privacy against local eavesdropper in Wireless Sensor Networks. Pervasive and Mobile Computing, 2015, 16, 36-50.	3.3	73
10	Minimum Latency Broadcast Scheduling in Duty-Cycled Multihop Wireless Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 110-117.	5.6	54
11	Securing DV-Hop localization against wormhole attacks in wireless sensor networks. Pervasive and Mobile Computing, 2015, 16, 22-35.	3.3	49
12	Contiguous Link Scheduling for Data Aggregation in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1691-1701.	5.6	42
13	Contact expectation based routing for delay tolerant networks. Ad Hoc Networks, 2016, 36, 244-257.	5.5	37
14	Double-covered broadcast (DCB): a simple reliable broadcast algorithm in MANETs. , 0, , .		36
15	When Transportation Meets Communication: V2P over VANETs. , 2010, , .		36
16	From nowhere to somewhere: Protecting end-to-end location privacy in wireless sensor networks. , 2010, , .		35
17	A Hybrid Cluster-Based Target Tracking Protocol for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 494863.	2.2	34
18	A Secure Credit-Based Incentive Mechanism for Message Forwarding in Noncooperative DTNs. IEEE Transactions on Vehicular Technology, 2016, 65, 6377-6388.	6.3	30

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19	Resource Allocation for Edge Computing-Based Vehicle Platoon on Freeway: A Contract-Optimization Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 15988-16000.	6.3	28
20	GAR: Group aware cooperative routing protocol for resource-constraint opportunistic networks. Computer Communications, 2014, 48, 20-29.	5.1	27
21	TSCD: A Novel Secure Localization Approach for Wireless Sensor Networks. , 2008, , .		26
22	Community Clinic: Economizing Mobile Cloud Service Cost via Cloudlet Group. , 2014, , .		26
23	Delay Efficient Scheduling Algorithms for Data Aggregation in Multi-Channel Asynchronous Duty-Cycled WSNs. IEEE Transactions on Communications, 2019, 67, 6179-6192.	7.8	26
24	A Secure Localization Approach against Wormhole Attacks Using Distance Consistency. Eurasip Journal on Wireless Communications and Networking, 2009, 2010, .	2.4	24
25	On Achieving Asynchronous Energy-Efficient Neighbor Discovery for Mobile Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 553-565.	4.6	23
26	Label-Based DV-Hop Localization Against Wormhole Attacks in Wireless Sensor Networks. , 2010, , .		22
27	Duty-Cycle-Aware Minimum Latency Broadcast Scheduling in Multi-hop Wireless Networks. , 2010, , .		21
28	A Novel Mobility Management Scheme for Target Tracking in Cluster-Based Sensor Networks. Lecture Notes in Computer Science, 2010, , 172-186.	1.3	21
29	A cluster-based backbone infrastructure for broadcasting in MANETs. , 0, , .		20
30	Interference-aware spatio-temporal link scheduling for long delay underwater sensor networks. , 2011, , .		20
31	Conflicting-Set-Based Wormhole Attack Resistant Localization in Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 296-309.	1.3	20
32	MIO: Enhancing Wireless Communications Security Through Physical Layer Multiple Inter-Symbol Obfuscation. IEEE Transactions on Information Forensics and Security, 2015, 10, 1678-1691.	6.9	19
33	On Eliminating the Exposed Terminal Problem Using Signature Detection. IEEE Transactions on Mobile Computing, 2016, 15, 2034-2047.	5.8	18
34	A reliable broadcast algorithm with selected acknowledgements in mobile ad hoc networks. , 0, , .		17
35	A Novel Secure Localization Approach in Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	16
36	On Throughput Maximization in Multichannel Cognitive Radio Networks Via Generalized Access Strategy. IEEE Transactions on Communications, 2016, 64, 1384-1398.	7.8	15

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37	On reducing broadcast redundancy in ad hoc wireless networks. , 2003, , .		14
38	Symbol-level detection: A new approach to silencing hidden terminals. , 2012, , .		13
39	Delay Efficient Data Aggregation Scheduling in Multi-channel Duty-Cycled WSNs. , 2018, , .		13
40	A Consistency-Based Secure Localization Scheme against Wormhole Attacks in WSNs. Lecture Notes in Computer Science, 2009, , 368-377.	1.3	9
41	Secure localization against wormhole attacks using conflicting sets. , 2010, , .		9
42	On Using Contact Expectation for Routing in Delay Tolerant Networks. , 2011, , .		9
43	Efficient Interference-Aware Power Control for Wireless Networks. Computer Networks, 2018, 136, 68-79.	5.1	9
44	Efficient broadcast with forward node set in clustered mobile ad hoc networks. , 0, , .		8
45	On providing wormholeâ€attackâ€resistant localization using conflicting sets. Wireless Communications and Mobile Computing, 2015, 15, 1865-1881.	1.2	8
46	Making Nodes Cooperative: A Secure Incentive Mechanism for Message Forwarding in DTNs. , 2013, , .		7
47	Cost sharing and strategyproof mechanisms for set cover games. Journal of Combinatorial Optimization, 2010, 20, 259-284.	1.3	6
48	Elimination of exposed terminal problem using signature detection. , 2012, , .		6
49	On interference-aware gossiping in uncoordinated duty-cycled multi-hop wireless networks. Ad Hoc Networks, 2013, 11, 1319-1330.	5.5	6
50	Beyond the limit: A fast tag identification protocol for RFID systems. Pervasive and Mobile Computing, 2015, 21, 1-18.	3.3	6
51	It Can Drain Out Your Energy: An Energy-Saving Mechanism Against Packet Overhearing in High Traffic Wireless LANs. IEEE Transactions on Mobile Computing, 2017, 16, 1911-1925.	5.8	6
52	Interference-Aware Gossiping Scheduling in Uncoordinated Duty-Cycled Multi-hop Wireless Networks. Lecture Notes in Computer Science, 2010, , 192-202.	1.3	6
53	A Contract-Ruled Economic Model for QoS Guarantee in Mobile Peer-to-Peer Streaming Services. IEEE Transactions on Mobile Computing, 2016, 15, 1047-1061.	5.8	5
54	Hypergraph-Based Active Minimum Delay Data Aggregation Scheduling in Wireless-Powered IoT. IEEE Internet of Things Journal, 2022, 9, 8786-8799.	8.7	5

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55	Pricing, competition and innovation: A profitable business model to resolve the tussle involved in peer-to-peer streaming applications. , 2012, , .		4
56	Localized Broadcasting in Mobile Ad Hoc Networks Using Neighbor Designation. , 2004, , .		4
57	A K-hop zone-based broadcast protocol in mobile ad hoc networks. , 0, , .		3
58	The digital rights management game in peer-to-peer streaming systems. , 2011, , .		3
59	Take your time, get it closer: content dissemination within mobile pedestrian crowds. Wireless Networks, 2019, 25, 3385-3403.	3.0	3
60	JSCSP: a Novel Policy-Based XSS Defense Mechanism for Browsers. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	5.4	3
61	Acquiring Bloom Filters Across Commercial RFIDs in Physical Layer. IEEE/ACM Transactions on Networking, 2020, 28, 1804-1817.	3.8	3
62	Energy-Aware Concurrent Data Aggregation Scheduling for Wireless Powered IoT Leveraging Hypergraph Theory. IEEE Wireless Communications Letters, 2021, 10, 2464-2468.	5.0	3
63	Delay Efficient Link and Aggregation Scheduling under Physical Interference Model. , 2011, , .		2
64	A Straightforward Path Routing in Wireless Ad Hoc Sensor Networks. , 2009, , .		1
65	Interference-Free Wakeup Scheduling with Consecutive Constraints in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 525909.	2.2	1
66	A contract-ruled economic model for QoS guarantee in mobile peer-to-peer streaming services. , 2012, , .		1
67	Group aware cooperative routing for opportunistic networks under resource constraints. , 2012, , .		1
68	Coordinate Transmissions Centrally: A Cross-Layer Approach for WLANs. , 2016, , .		1
69	Towards centralized transmission coordination in WLANs: a cross-layer approach. CCF Transactions on Pervasive Computing and Interaction, 2020, 2, 126-145.	2.6	1
70	Modeling Dynamic Resource Allocation in the Edge. , 2019, , .		1
71	A probabilistic model for lifetime measurement in privacy-aware sensor networks. , 2009, , .		0
72	Compact Wakeup Scheduling in Wireless Sensor Networks. , 2010, , .		0

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73	On eliminating energy inefficiency of the packet overhearing problem in high traffic wireless LANs. , 2014, , .		0
74	Revisiting of Channel Access Mechanisms in Mobile Wireless Networks through Exploiting Physical Layer Technologies. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	0
75	On Exploiting Concurrent Transmissions Through Discernible Interference Cancellation. IEEE Transactions on Vehicular Technology, 2018, 67, 9370-9384.	6.3	0