

Ming Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132
papers

3,068
citations

29
h-index

51
g-index

150
ext. papers

3,778
ext. citations

6
avg, IF

5.73
L-index

#	Paper	IF	Citations
132	Scalable and Secure Sharing of Personal Health Records in Cloud Computing Using Attribute-Based Encryption. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013 , 24, 131-143	3.7	620
131	Channel State Information Prediction for 5G Wireless Communications: A Deep Learning Approach. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 227-236	4.9	124
130	Multi-Objective Optimal Energy Consumption Scheduling in Smart Grids. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 341-348	10.7	108
129	Dynamic Energy Management for the Smart Grid With Distributed Energy Resources. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 2139-2151	10.7	84
128	The Capacity of Wireless Ad Hoc Networks Using Directional Antennas. <i>IEEE Transactions on Mobile Computing</i> , 2011 , 10, 1374-1387	4.6	74
127	Cloud-assisted mobile-access of health data with privacy and auditability. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 419-29	7.2	72
126	Privacy-Preserving Energy Theft Detection in Microgrids: A State Estimation Approach. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 883-894	7	63
125	Cooperative Communication Aware Link Scheduling for Cognitive Vehicular Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 760-768	14.2	63
124	2011 ,		60
123	. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 117-125	14.2	60
122	Privacy-Preserving Energy Theft Detection in Smart Grids: A P2P Computing Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 257-267	14.2	59
121	Optimal Placement of Gateways in Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 3421-3430	6.8	52
120	When Machine Learning Meets Blockchain: A Decentralized, Privacy-preserving and Secure Design 2018 ,		52
119	. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 369-378	14.2	50
118	Earthquake Prediction Based on Spatio-Temporal Data Mining: An LSTM Network Approach. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 8, 148-158	4.1	46
117	Throughput, Delay, and Mobility in Wireless Ad Hoc Networks 2010 ,		45
116	Cascading Failure Attacks in the Power System: A Stochastic Game Perspective. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 2247-2259	10.7	44

115	Smooth Trade-Offs between Throughput and Delay in Mobile Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 427-438	4.6	43
114	. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 1902-1923	37.1	42
113	Privacy-preserving verifiable data aggregation and analysis for cloud-assisted mobile crowdsourcing 2016 ,		42
112	. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 139-154	4.6	39
111	Cooler Path: Spectrum Mobility Aware Routing Metrics in Cognitive Ad Hoc Networks 2011 ,		39
110	Efficient data collection for wireless rechargeable sensor clusters in Harsh terrains using UAVs 2014 ,		38
109	Efficient secure outsourcing of large-scale linear systems of equations 2015 ,		37
108	Spectrum clouds: A session based spectrum trading system for multi-hop cognitive radio networks 2012 ,		37
107	Energy Consumption Optimization for Multihop Cognitive Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 358-372	4.6	36
106	When Spectrum Meets Clouds: Optimal Session Based Spectrum Trading under Spectrum Uncertainty. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 615-627	14.2	30
105	Efficient Secure Outsourcing of Large-Scale Sparse Linear Systems of Equations. <i>IEEE Transactions on Big Data</i> , 2018 , 4, 26-39	3.2	29
104	The Capacity of Heterogeneous Wireless Networks 2010 ,		29
103	Human Behavior Deep Recognition Architecture for Smart City Applications in the 5G Environment. <i>IEEE Network</i> , 2019 , 33, 206-211	11.4	28
102	Privacy-preserving energy theft detection in smart grids 2012 ,		28
101	Impacts of Topology and Traffic Pattern on Capacity of Hybrid Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2009 , 8, 1585-1595	4.6	28
100	A Storage-Friendly Routing Scheme in Intermittently Connected Mobile Network. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1138-1149	6.8	27
99	Asymptotic Connectivity in Wireless Ad Hoc Networks Using Directional Antennas. <i>IEEE/ACM Transactions on Networking</i> , 2009 , 17, 1106-1117	3.8	27
98	An adaptive power controlled MAC protocol for wireless ad hoc networks. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 226-233	9.6	27

97	Admission Control Based on Available Bandwidth Estimation for Wireless Mesh Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2519-2528	6.8	24
96	n-CD: A geometric approach to preserving location privacy in location-based services 2013 ,		23
95	CRIL: An Efficient Online Adaptive Indoor Localization System. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	23
94	Privacy-Preserving Verifiable Set Operation in Big Data for Cloud-Assisted Mobile Crowdsourcing. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 572-582	10.7	22
93	On the Throughput Capacity of Heterogeneous Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 2073-2086	4.6	22
92	Capacity Bounds of Three-Dimensional Wireless Ad Hoc Networks. <i>IEEE/ACM Transactions on Networking</i> , 2012 , 20, 1304-1315	3.8	22
91	Verifiable privacy-preserving monitoring for cloud-assisted mHealth systems 2015 ,		21
90	Directional medium access control for ad hoc networks. <i>Wireless Networks</i> , 2009 , 15, 1059-1073	2.5	21
89	Connectivity of large-scale Cognitive Radio Ad Hoc Networks 2012 ,		21
88	Power controlled network protocols for Multi-Rate ad hoc networks. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 2142-2149	9.6	21
87	Economic-robust transmission opportunity auction in multi-hop wireless networks 2013 ,		20
86	Capacity scaling of multihop cellular networks 2011 ,		20
85	SDMAC: Selectively Directional MAC protocol for wireless mobile ad hoc networks. <i>Wireless Networks</i> , 2009 , 15, 805-820	2.5	18
84	A holistic energy optimization framework for cloud-assisted mobile computing. <i>IEEE Wireless Communications</i> , 2015 , 22, 118-123	13.4	16
83	A tutorial on secure outsourcing of large-scale computations for big data. <i>IEEE Access</i> , 2016 , 4, 1406-1416	6.5	16
82	MAC-Layer Selfish Misbehavior in IEEE 802.11 Ad Hoc Networks: Detection and Defense. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 1203-1217	4.6	15
81	AI at the Edge: Blockchain-Empowered Secure Multiparty Learning With Heterogeneous Models. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9600-9610	10.7	15
80	Efficient Secure Outsourcing of Large-scale Quadratic Programs 2016 ,		15

79	Online Power Control for 5G Wireless Communications: A Deep Q-Network Approach 2018 ,		15
78	Crowdsourcing in Cyber-Physical Systems: Stochastic Optimization With Strong Stability. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2013 , 1, 218-231	4.1	15
77	The capacity of three-dimensional wireless ad hoc networks 2011 ,		15
76	How to Effectively Use Multiple Channels in Wireless Mesh Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2009 , 20, 1641-1652	3.7	15
75	Spectrum availability prediction in cognitive aerospace communications: A deep learning perspective 2017 ,		13
74	Efficient Secure Outsourcing of Large-Scale Convex Separable Programming for Big Data. <i>IEEE Transactions on Big Data</i> , 2019 , 5, 368-378	3.2	13
73	Joint Offloading and Transmission Power Control for Mobile Edge Computing. <i>IEEE Access</i> , 2019 , 7, 81640-81651	3.5	13
72	PPER: Privacy-preserving economic-robust spectrum auction in wireless networks 2015 ,		12
71	Asymmetric Social Proximity Based Private Matching Protocols for Online Social Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 1547-1559	3.7	12
70	TrafficChain: A Blockchain-Based Secure and Privacy-Preserving Traffic Map. <i>IEEE Access</i> , 2020 , 8, 60598-60612	3.9	12
69	Cross-Domain Sentiment Classification via a Bifurcated-LSTM. <i>Lecture Notes in Computer Science</i> , 2018 , 681-693	0.9	12
68	SecFact: Secure Large-scale QR and LU Factorizations. <i>IEEE Transactions on Big Data</i> , 2019 , 1-1	3.2	12
67	Cost-Sensitive Deep Active Learning for Epileptic Seizure Detection 2018 ,		12
66	Real-time personalized cardiac arrhythmia detection and diagnosis: A cloud computing architecture 2017 ,		11
65	SPA: A Secure and Private Auction Framework for Decentralized Online Social Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 2394-2407	3.7	10
64	Unsupervised Anomaly Detection in IoT Systems for Smart Cities. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2231-2242	4.9	9
63	A Unified Unsupervised Gaussian Mixture Variational Autoencoder for High Dimensional Outlier Detection 2018 ,		9
62	Spectrum Availability Prediction for Cognitive Radio Communications: A DCG Approach. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020 , 6, 476-485	6.6	8

61	Community Detection in Online Social Networks: A Differentially Private and Parsimonious Approach. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 151-163	4.5	8
60	Secure and Efficient Data Sharing in Dynamic Vehicular Networks. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8208-8217	10.7	8
59	Energy-Source-Aware Cost Optimization for Green Cellular Networks with Strong Stability. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2016 , 4, 541-555	4.1	8
58	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 4620-4627	6.8	8
57	A deep multi-task learning approach for ECG data analysis 2018 ,		7
56	Efficient Privacy-Preserving Outsourcing of Large-Scale QR Factorization 2017 ,		7
55	Reward and Risk for Opportunistic Spectrum Accessing in Cognitive Radio Networks 2010 ,		7
54	CATE: Cloud-Aided Trustworthiness Evaluation Scheme for Incompletely Predictable Vehicular Ad Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11213-11226	6.8	6
53	Parallel Secure Outsourcing of Large-scale Nonlinearly Constrained Nonlinear Programming Problems. <i>IEEE Transactions on Big Data</i> , 2018 , 1-1	3.2	6
52	State estimation for energy theft detection in microgrids 2014 ,		6
51	A Directional MAC Protocol for Ad Hoc Networks 2006 ,		6
50	2016 ,		6
49	Data-Driven Spectrum Trading with Secondary Users Differential Privacy Preservation. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 18, 438-447	3.9	6
48	Energy-Efficient Autonomic Offloading in Mobile Edge Computing 2017 ,		5
47	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2015 , 1, 318-334	6.6	5
46	STEP: A Spatio-Temporal Fine-Granular User Traffic Prediction System for Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 3453-3466	4.6	5
45	Learning to Learn Gradient Aggregation by Gradient Descent 2019 ,		5
44	A Novel Real-Time EEG Based Eye State Recognition System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 175-183	0.2	4

43	Optimal Energy Cost for Strongly Stable Multi-hop Green Cellular Networks 2014 ,		4
42	RENA 2009 ,		4
41	Performance of a Novel Adaptive Traffic Aggregation Scheme for Wireless Mesh Networks 2007 ,		4
40	MastDP: Matching Based Double Auction Mechanism for Spectrum Trading with Differential Privacy 2019 ,		4
39	Data-Driven Caching with Users' Local Differential Privacy in Information-Centric Networks 2018 ,		4
38	Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks 2019 , 931-968		3
37	Economic-Robust Transmission Opportunity Auction for D2D Communications in Cognitive Mesh Assisted Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1806-1819	4.6	3
36	LocaWard: A security and privacy aware location-based rewarding system. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014 , 25, 343-352	3.7	3
35	Retraining and Dynamic Privilege for Implicit Authentication Systems 2015 ,		3
34	Improving throughput by tuning carrier sensing in 802.11 wireless networks. <i>Computer Communications</i> , 2009 , 32, 1263-1270	5.1	3
33	Decentralized Routing in Nonhomogeneous Poisson Networks 2008 ,		3
32	Saturation throughput of IEEE 802.11 DCF in multi-hop ad hoc networks 2008 ,		3
31	Asymptotic Connectivity in Wireless Networks Using Directional Antennas 2007 ,		3
30	Deep Q-Network based Feature Selection for Multi-Sourced Data Cleaning. <i>IEEE Internet of Things Journal</i> , 2020 , 1-1	10.7	3
29	Differentially Private Functional Mechanism for Generative Adversarial Networks 2019 ,		3
28	Quantized Adversarial Training: An Iterative Quantized Local Search Approach 2019 ,		3
27	Collusion-Resistant Worker Recruitment in Crowdsourcing Systems. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	3
26	Data-Driven Caching With Users' Content Preference Privacy in Information-Centric Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5744-5753	9.6	3

25	LTE Misbehavior Detection in Wi-Fi/LTE Coexistence Under the LAA-LTE Standard 2018 ,		2
24	PerRNN: Personalized Recurrent Neural Networks for Acceleration-Based Human Activity Recognition 2019 ,		2
23	Privacy-Preserving Verifiable Proximity Test for Location-Based Services 2014 ,		2
22	An Efficient H.264/AVC to HEVC Transcoder for Real-Time Video Communication in Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3186-3197	10.7	2
21	Preserving Genomic Privacy via Selective Sharing 2020 , 2020, 163-179		2
20	Optimal Transportation Network Company Vehicle Dispatching via Deep Deterministic Policy Gradient. <i>Lecture Notes in Computer Science</i> , 2019 , 297-309	0.9	2
19	Privacy-Preserving Spectrum Query with Location Proofs in Database-Driven CRNs 2016 ,		2
18	Smart Communications in Heterogeneous Spacecraft Networks: A Blockchain Based Secure Auction Approach 2019 ,		2
17	Towards Combatting COVID-19: A Risk Assessment System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
16	Securing Task Allocation in Mobile Crowd Sensing: An Incentive Design Approach 2019 ,		1
15	Green TCP Transmission Over Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7585-7592	6.8	1
14	Secure Outsourcing of Matrix Convolutions 2018 ,		1
13	The Network Architecture for Spectrum Trading. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 1-9	0.4	1
12	Throughput maximization of cooperative wireless mesh networks using directional antennas 2012 ,		1
11	Scalable video coding based video transmission in MRMC networks: A cross-layer design perspective 2013 ,		1
10	Energy-Efficient Computation Offloading in Mobile Edge Computing Systems with Uncertainties. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	1
9	Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks 2017 , 1-38		1
8	ECONOMY: Point Clouds-based Energy-efficient Autonomous Navigation for UAVs. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	1

- 7 Efficient Privacy-Preserving Large-Scale CP Tensor Decompositions **2018**, 1
- 6 Differentially private binary- and matrix-valued data query. *Proceedings of the VLDB Endowment*, **2021**, 14, 849-862 3.1 0
- 5 Capacity of Wireless Ad Hoc Networks **2020**, 160-164
- 4 Embedded AutoEncoders: A Novel Framework for Face De-identification. *Communications in Computer and Information Science*, **2020**, 154-163 0.3
- 3 Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks **2017**, 1-38
- 2 Transport Control Based on Spectrum Switching Detection in Cognitive Radio Ad Hoc Networks. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 1-15 0.2
- 1 Genomic Data Sharing under Dependent Local Differential Privacy. **2022**, 2022, 77-88