

# Ming Li

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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	Energy-Efficient Computation Offloading in Mobile Edge Computing Systems with Uncertainties. <i>IEEE Transactions on Wireless Communications</i> , <b>2022</b> , 1-1	9.6	1
131	Genomic Data Sharing under Dependent Local Differential Privacy. <b>2022</b> , 2022, 77-88		
130	STEP: A Spatio-Temporal Fine-Granular User Traffic Prediction System for Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 20, 3453-3466	4.6	5
129	Data-Driven Spectrum Trading with Secondary Users Differential Privacy Preservation. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2021</b> , 18, 438-447	3.9	6
128	Collusion-Resistant Worker Recruitment in Crowdsourcing Systems. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	3
127	Towards Combatting COVID-19: A Risk Assessment System. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	2
126	ECONOMY: Point Clouds-based Energy-efficient Autonomous Navigation for UAVs. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	1
125	Differentially private binary- and matrix-valued data query. <i>Proceedings of the VLDB Endowment</i> , <b>2021</b> , 14, 849-862	3.1	0
124	Data-Driven Caching With Users Content Preference Privacy in Information-Centric Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 5744-5753	9.6	3
123	TrafficChain: A Blockchain-Based Secure and Privacy-Preserving Traffic Map. <i>IEEE Access</i> , <b>2020</b> , 8, 60598-60612	3.9	12
122	Spectrum Availability Prediction for Cognitive Radio Communications: A DCG Approach. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2020</b> , 6, 476-485	6.6	8
121	Community Detection in Online Social Networks: A Differentially Private and Parsimonious Approach. <i>IEEE Transactions on Computational Social Systems</i> , <b>2020</b> , 7, 151-163	4.5	8
120	Secure and Efficient Data Sharing in Dynamic Vehicular Networks. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 8208-8217	10.7	8
119	AI at the Edge: Blockchain-Empowered Secure Multiparty Learning With Heterogeneous Models. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 9600-9610	10.7	15
118	Unsupervised Anomaly Detection in IoT Systems for Smart Cities. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2020</b> , 7, 2231-2242	4.9	9
117	Capacity of Wireless Ad Hoc Networks <b>2020</b> , 160-164		
116	Preserving Genomic Privacy via Selective Sharing <b>2020</b> , 2020, 163-179		2

115	Embedded AutoEncoders: A Novel Framework for Face De-identification. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 154-163	0.3	
114	Deep Q-Network based Feature Selection for Multi-Sourced Data Cleaning. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 1-1	10.7	3
113	Earthquake Prediction Based on Spatio-Temporal Data Mining: An LSTM Network Approach. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2020</b> , 8, 148-158	4.1	46
112	Channel State Information Prediction for 5G Wireless Communications: A Deep Learning Approach. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2020</b> , 7, 227-236	4.9	124
111	Securing Task Allocation in Mobile Crowd Sensing: An Incentive Design Approach <b>2019</b> ,		1
110	CATE: Cloud-Aided Trustworthiness Evaluation Scheme for Incompletely Predictable Vehicular Ad Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 11213-11226	6.8	6
109	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> , <b>2019</b> , 175-183	0.2	4
108	Joint Offloading and Transmission Power Control for Mobile Edge Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 81640-81651	4.5	11
107	Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks <b>2019</b> , 931-968		3
106	SecFact: Secure Large-scale QR and LU Factorizations. <i>IEEE Transactions on Big Data</i> , <b>2019</b> , 1-1	3.2	12
105	Human Behavior Deep Recognition Architecture for Smart City Applications in the 5G Environment. <i>IEEE Network</i> , <b>2019</b> , 33, 206-211	11.4	28
104	PerRNN: Personalized Recurrent Neural Networks for Acceleration-Based Human Activity Recognition <b>2019</b> ,		2
103	Learning to Learn Gradient Aggregation by Gradient Descent <b>2019</b> ,		5
102	Optimal Transportation Network Company Vehicle Dispatching via Deep Deterministic Policy Gradient. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 297-309	0.9	2
101	MastDP: Matching Based Double Auction Mechanism for Spectrum Trading with Differential Privacy <b>2019</b> ,		4
100	Differentially Private Functional Mechanism for Generative Adversarial Networks <b>2019</b> ,		3
99	Quantized Adversarial Training: An Iterative Quantized Local Search Approach <b>2019</b> ,		3
98	Smart Communications in Heterogeneous Spacecraft Networks: A Blockchain Based Secure Auction Approach <b>2019</b> ,		2

97	Efficient Secure Outsourcing of Large-Scale Convex Separable Programming for Big Data. <i>IEEE Transactions on Big Data</i> , <b>2019</b> , 5, 368-378	3.2	13
96	A deep multi-task learning approach for ECG data analysis <b>2018</b> ,		7
95	Parallel Secure Outsourcing of Large-scale Nonlinearly Constrained Nonlinear Programming Problems. <i>IEEE Transactions on Big Data</i> , <b>2018</b> , 1-1	3.2	6
94	Economic-Robust Transmission Opportunity Auction for D2D Communications in Cognitive Mesh Assisted Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 1806-1819	4.6	3
93	Green TCP Transmission Over Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 7585-7592	6.8	1
92	Efficient Secure Outsourcing of Large-Scale Sparse Linear Systems of Equations. <i>IEEE Transactions on Big Data</i> , <b>2018</b> , 4, 26-39	3.2	29
91	Cross-Domain Sentiment Classification via a Bifurcated-LSTM. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 681-693	0.9	12
90	Online Power Control for 5G Wireless Communications: A Deep Q-Network Approach <b>2018</b> ,		15
89	LTE Misbehavior Detection in Wi-Fi/LTE Coexistence Under the LAA-LTE Standard <b>2018</b> ,		2
88	Secure Outsourcing of Matrix Convolutions <b>2018</b> ,		1
87	An Efficient H.264/AVC to HEVC Transcoder for Real-Time Video Communication in Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 3186-3197	10.7	2
86	Data-Driven Caching with Users' Local Differential Privacy in Information-Centric Networks <b>2018</b> ,		4
85	When Machine Learning Meets Blockchain: A Decentralized, Privacy-preserving and Secure Design <b>2018</b> ,		52
84	A Unified Unsupervised Gaussian Mixture Variational Autoencoder for High Dimensional Outlier Detection <b>2018</b> ,		9
83	Efficient Privacy-Preserving Large-Scale CP Tensor Decompositions <b>2018</b> ,		1
82	Cost-Sensitive Deep Active Learning for Epileptic Seizure Detection <b>2018</b> ,		12
81	Privacy-Preserving Verifiable Set Operation in Big Data for Cloud-Assisted Mobile Crowdsourcing. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 572-582	10.7	22
80	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 1902-1923	37.1	42

79	Real-time personalized cardiac arrhythmia detection and diagnosis: A cloud computing architecture <b>2017</b> ,		11
78	Cascading Failure Attacks in the Power System: A Stochastic Game Perspective. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 2247-2259	10.7	44
77	Spectrum availability prediction in cognitive aerospace communications: A deep learning perspective <b>2017</b> ,		13
76	Efficient Privacy-Preserving Outsourcing of Large-Scale QR Factorization <b>2017</b> ,		7
75	Energy-Efficient Autonomic Offloading in Mobile Edge Computing <b>2017</b> ,		5
74	Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks <b>2017</b> , 1-38		1
73	Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks <b>2017</b> , 1-38		
72	Privacy-Preserving Energy Theft Detection in Microgrids: A State Estimation Approach. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 883-894	7	63
71	Efficient Secure Outsourcing of Large-scale Quadratic Programs <b>2016</b> ,		15
70	Energy-Source-Aware Cost Optimization for Green Cellular Networks with Strong Stability. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2016</b> , 4, 541-555	4.1	8
69	SPA: A Secure and Private Auction Framework for Decentralized Online Social Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2016</b> , 27, 2394-2407	3.7	10
68	CRIL: An Efficient Online Adaptive Indoor Localization System. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	23
67	Privacy-Preserving Spectrum Query with Location Proofs in Database-Driven CRNs <b>2016</b> ,		2
66	<b>2016</b> ,		6
65	A tutorial on secure outsourcing of large-scale computations for big data. <i>IEEE Access</i> , <b>2016</b> , 4, 1406-1416	5.5	16
64	Privacy-preserving verifiable data aggregation and analysis for cloud-assisted mobile crowdsourcing <b>2016</b> ,		42
63	A holistic energy optimization framework for cloud-assisted mobile computing. <i>IEEE Wireless Communications</i> , <b>2015</b> , 22, 118-123	13.4	16
62	Efficient secure outsourcing of large-scale linear systems of equations <b>2015</b> ,		37

61	PPER: Privacy-preserving economic-robust spectrum auction in wireless networks <b>2015</b> ,		12
60	Verifiable privacy-preserving monitoring for cloud-assisted mHealth systems <b>2015</b> ,		21
59	. <i>IEEE Transactions on Mobile Computing</i> , <b>2015</b> , 14, 139-154	4.6	39
58	Asymmetric Social Proximity Based Private Matching Protocols for Online Social Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 1547-1559	3.7	12
57	Energy Consumption Optimization for Multihop Cognitive Cellular Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2015</b> , 14, 358-372	4.6	36
56	MAC-Layer Selfish Misbehavior in IEEE 802.11 Ad Hoc Networks: Detection and Defense. <i>IEEE Transactions on Mobile Computing</i> , <b>2015</b> , 14, 1203-1217	4.6	15
55	Retraining and Dynamic Privilege for Implicit Authentication Systems <b>2015</b> ,		3
54	The Network Architecture for Spectrum Trading. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2015</b> , 1-9	0.4	1
53	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2015</b> , 1, 318-334	6.6	5
52	When Spectrum Meets Clouds: Optimal Session Based Spectrum Trading under Spectrum Uncertainty. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2014</b> , 32, 615-627	14.2	30
51	Cloud-assisted mobile-access of health data with privacy and auditability. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2014</b> , 18, 419-29	7.2	72
50	Optimal Energy Cost for Strongly Stable Multi-hop Green Cellular Networks <b>2014</b> ,		4
49	LocaWard: A security and privacy aware location-based rewarding system. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2014</b> , 25, 343-352	3.7	3
48	Privacy-Preserving Verifiable Proximity Test for Location-Based Services <b>2014</b> ,		2
47	Efficient data collection for wireless rechargeable sensor clusters in Harsh terrains using UAVs <b>2014</b> ,		38
46	State estimation for energy theft detection in microgrids <b>2014</b> ,		6
45	Dynamic Energy Management for the Smart Grid With Distributed Energy Resources. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 2139-2151	10.7	84
44	Scalable and Secure Sharing of Personal Health Records in Cloud Computing Using Attribute-Based Encryption. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2013</b> , 24, 131-143	3.7	620

43	Privacy-Preserving Energy Theft Detection in Smart Grids: A P2P Computing Approach. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2013</b> , 31, 257-267	14.2	59
42	Multi-Objective Optimal Energy Consumption Scheduling in Smart Grids. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 341-348	10.7	108
41	Scalable video coding based video transmission in MRMC networks: A cross-layer design perspective <b>2013</b> ,		1
40	Crowdsourcing in Cyber-Physical Systems: Stochastic Optimization With Strong Stability. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2013</b> , 1, 218-231	4.1	15
39	Economic-robust transmission opportunity auction in multi-hop wireless networks <b>2013</b> ,		20
38	n-CD: A geometric approach to preserving location privacy in location-based services <b>2013</b> ,		23
37	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 369-378	14.2	50
36	Cooperative Communication Aware Link Scheduling for Cognitive Vehicular Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 760-768	14.2	63
35	Spectrum clouds: A session based spectrum trading system for multi-hop cognitive radio networks <b>2012</b> ,		37
34	Throughput maximization of cooperative wireless mesh networks using directional antennas <b>2012</b> ,		1
33	On the Throughput Capacity of Heterogeneous Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2012</b> , 11, 2073-2086	4.6	22
32	Privacy-preserving energy theft detection in smart grids <b>2012</b> ,		28
31	Smooth Trade-Offs between Throughput and Delay in Mobile Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2012</b> , 11, 427-438	4.6	43
30	Capacity Bounds of Three-Dimensional Wireless Ad Hoc Networks. <i>IEEE/ACM Transactions on Networking</i> , <b>2012</b> , 20, 1304-1315	3.8	22
29	Connectivity of large-scale Cognitive Radio Ad Hoc Networks <b>2012</b> ,		21
28	Transport Control Based on Spectrum Switching Detection in Cognitive Radio Ad Hoc Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 1-15	0.2	
27	The Capacity of Wireless Ad Hoc Networks Using Directional Antennas. <i>IEEE Transactions on Mobile Computing</i> , <b>2011</b> , 10, 1374-1387	4.6	74
26	A Storage-Friendly Routing Scheme in Intermittently Connected Mobile Network. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 1138-1149	6.8	27

25	Coollest Path: Spectrum Mobility Aware Routing Metrics in Cognitive Ad Hoc Networks <b>2011</b> ,		39
24	Capacity scaling of multihop cellular networks <b>2011</b> ,		20
23	<b>2011</b> ,		60
22	The capacity of three-dimensional wireless ad hoc networks <b>2011</b> ,		15
21	Reward and Risk for Opportunistic Spectrum Accessing in Cognitive Radio Networks <b>2010</b> ,		7
20	Throughput, Delay, and Mobility in Wireless Ad Hoc Networks <b>2010</b> ,		45
19	The Capacity of Heterogeneous Wireless Networks <b>2010</b> ,		29
18	Asymptotic Connectivity in Wireless Ad Hoc Networks Using Directional Antennas. <i>IEEE/ACM Transactions on Networking</i> , <b>2009</b> , 17, 1106-1117	3.8	27
17	RENA <b>2009</b> ,		4
16	Admission Control Based on Available Bandwidth Estimation for Wireless Mesh Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 2519-2528	6.8	24
15	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 4620-4627	6.8	8
14	SDMAC: Selectively Directional MAC protocol for wireless mobile ad hoc networks. <i>Wireless Networks</i> , <b>2009</b> , 15, 805-820	2.5	18
13	Directional medium access control for ad hoc networks. <i>Wireless Networks</i> , <b>2009</b> , 15, 1059-1073	2.5	21
12	Improving throughput by tuning carrier sensing in 802.11 wireless networks. <i>Computer Communications</i> , <b>2009</b> , 32, 1263-1270	5.1	3
11	Impacts of Topology and Traffic Pattern on Capacity of Hybrid Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2009</b> , 8, 1585-1595	4.6	28
10	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2009</b> , 27, 117-125	14.2	60
9	Power controlled network protocols for Multi-Rate ad hoc networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 2142-2149	9.6	21
8	An adaptive power controlled MAC protocol for wireless ad hoc networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 226-233	9.6	27



7	How to Effectively Use Multiple Channels in Wireless Mesh Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2009</b> , 20, 1641-1652	3-7	15
6	Decentralized Routing in Nonhomogeneous Poisson Networks <b>2008</b> ,		3
5	Saturation throughput of IEEE 802.11 DCF in multi-hop ad hoc networks <b>2008</b> ,		3
4	Optimal Placement of Gateways in Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 3421-3430	6.8	52
3	Performance of a Novel Adaptive Traffic Aggregation Scheme for Wireless Mesh Networks <b>2007</b> ,		4
2	Asymptotic Connectivity in Wireless Networks Using Directional Antennas <b>2007</b> ,		3
1	A Directional MAC Protocol for Ad Hoc Networks <b>2006</b> ,		6