Mo Li

List of Publications by Year
in descending order

165 papers	7,328 citations	136950 32 h-index	138484 58 g-index
168 all docs	168 docs citations	168 times ranked	4714 citing authors

#	Article	IF	Citations
1	Predicting the Impact of Disruptions to Urban Rail Transit Systems. ACM Transactions on Sensor Networks, 2023, 19, 1-17.	3.6	0
2	Attack-aware Synchronization-free Data Timestamping in LoRaWAN. ACM Transactions on Sensor Networks, 2022, 18, 1-31.	3.6	8
3	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. IEEE Transactions on Mobile Computing, 2021, 20, 2505-2517.	5.8	3
4	Last-Mile School Shuttle Planning With Crowdsensed Student Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 293-306.	8.0	7
5	EchoWrite: An Acoustic-Based Finger Input System Without Training. IEEE Transactions on Mobile Computing, 2021, 20, 1789-1803.	5.8	12
6	CLNet: Complex Input Lightweight Neural Network Designed for Massive MIMO CSI Feedback. IEEE Wireless Communications Letters, 2021, 10, 2318-2322.	5.0	38
7	CrowdAtlas: Estimating Crowd Distribution within the Urban Rail Transit System. , 2021, , .		1
8	Predicting the Impact of Disruptions to Urban Rail Transit Systems. , 2021, , .		1
9	Generating Mobility Trajectories with Retained Data Utility. , 2021, , .		13
10	Large-scale vehicle trajectory reconstruction with camera sensing network. , 2021, , .		18
11	LIMU-BERT. , 2021, , .		22
12	LMAC. , 2020, , .		74
13	Internet-of-microchips. , 2020, , .		6
14	Attack-Aware Data Timestamping in Low-Power Synchronization-Free LoRaWAN. , 2020, , .		6
15	Pricing Data Tampering in Automated Fare Collection with NFC-Equipped Smartphones. IEEE Transactions on Mobile Computing, 2019, 18, 1159-1173.	5.8	7
16	StrLight: An Imperceptible Visible Light Communication System with String Lights. IEEE Transactions on Mobile Computing, 2019, 18, 1674-1687.	5.8	1
17	Vision and Challenges for Knowledge Centric Networking. IEEE Wireless Communications, 2019, 26, 117-123.	9.0	16
18	mD-Track. , 2019, , .		161

#	Article	IF	Citations
19	Synthesizing Wider WiFi Bandwidth for Respiration Rate Monitoring in Dynamic Environments. , 2019, , .		18
20	Known and Unknown Facts of LoRa. ACM Transactions on Sensor Networks, 2019, 15, 1-35.	3.6	226
21	EchoWrite: An Acoustic-based Finger Input System Without Training. , 2019, , .		7
22	Precise Power Delay Profiling with Commodity Wi-Fi. IEEE Transactions on Mobile Computing, 2019, 18, 1342-1355.	5.8	167
23	Memento. ACM Transactions on Sensor Networks, 2019, 15, 1-23.	3.6	47
24	Think Like A Graph: Real-Time Traffic Estimation at City-Scale. IEEE Transactions on Mobile Computing, 2019, 18, 2446-2459.	5.8	33
25	R^3. Transactions on Embedded Computing Systems, 2018, 17, 1-25.	2.9	3
26	Walkway Discovery from Large Scale Crowdsensing. , 2018, , .		20
27	Demo Abstract: Walkway Discovery from Large Scale Crowdsensing. , 2018, , .		0
28	Amateur. , 2018, 2, 1-24.		18
29	SWAN. , 2018, , .		40
30	An Acoustic-Based Encounter Profiling System. IEEE Transactions on Mobile Computing, 2018, 17, 1750-1763.	5.8	6
31	Urban Traffic Prediction from Mobility Data Using Deep Learning. IEEE Network, 2018, 32, 40-46.	6.9	113
32	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. , 2018, , .		3
33	Fair QoS multi-resource allocation for uplink traffic in WLAN. Wireless Networks, 2017, 23, 467-486.	3.0	3
34	Soft Hint Enabled Adaptive Visible Light Communication over Screen-Camera Links. IEEE Transactions on Mobile Computing, 2017, 16, 527-537.	5.8	16
35	A Participatory Urban Traffic Monitoring System: The Power of Bus Riders. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2851-2864.	8.0	53
36	Come and Be Served: Parallel Decoding for COTS RFID Tags. IEEE/ACM Transactions on Networking, 2017, 25, 1569-1581.	3.8	18

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37	Pando: Fountain-Enabled Fast Data Dissemination With Constructive Interference. IEEE/ACM Transactions on Networking, 2017, 25, 820-833.	3.8	18
38	Guest Editorial Special Section on Internet-of-Things for Smart Cities and Urban Informatics. IEEE Transactions on Industrial Informatics, 2017, 13, 748-750.	11.3	9
39	Travi-Navi: Self-Deployable Indoor Navigation System. IEEE/ACM Transactions on Networking, 2017, 25, 2655-2669.	3.8	75
40	Memento: An Emotion Driven Lifelogging System with Wearables. , 2017, , .		2
41	iType: Using eye gaze to enhance typing privacy. , 2017, , .		26
42	Localization for industrial warehouse storage rack using passive UHF RFID system. , 2017, , .		13
43	Large-scale invisible attack on AFC systems with NFC-equipped smartphones. , 2017, , .		3
44	DopEnc. , 2016, , .		42
45	Poster abstract: Emotion-driven lifelogging with wearables. , 2016, , .		0
46	Augmenting wide-band 802.11 transmissions via unequal packet bit protection. , 2016, , .		9
47	Scalable Industry Data Access Control in RFID-Enabled Supply Chain. IEEE/ACM Transactions on Networking, 2016, 24, 3551-3564.	3.8	55
48	SoftLight: Adaptive visible light communication over screen-camera links. , 2016, , .		34
49	xD-track. , 2016, , .		37
50	From Rateless to Hopless. IEEE/ACM Transactions on Networking, 2016, , 1-14.	3.8	4
51	Mining Road Network Correlation for Traffic Estimation via Compressive Sensing. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1880-1893.	8.0	63
52	PLACE: Physical Layer Cardinality Estimation for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2016, 24, 2702-2714.	3.8	21
53	From Rateless to Distanceless: Enabling Sparse Sensor Network Deployment in Large Areas. IEEE/ACM Transactions on Networking, 2016, 24, 2498-2511.	3.8	34
54	Read Bulk Data From Computational RFIDs. IEEE/ACM Transactions on Networking, 2016, 24, 3098-3108.	3.8	11

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55	Secure and Private RFID-Enabled Third-Party Supply Chain Systems. IEEE Transactions on Computers, 2016, 65, 3413-3426.	3.4	21
56	Path Reconstruction in Dynamic Wireless Sensor Networks Using Compressive Sensing. IEEE/ACM Transactions on Networking, 2016, 24, 1948-1960.	3.8	21
57	BEST: a bidirectional efficiency-privacy transferable authentication protocol for RFID-enabled supply chain. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 18, 234.	0.5	3
58	PLACE: Physical layer cardinality estimation for large-scale RFID systems. , 2015, , .		22
59	Incorporating Energy Heterogeneity into Sensor Network Time Synchronization. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 163-173.	5.6	9
60	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. ACM Transactions on Sensor Networks, 2015, 11, 1-27.	3.6	33
61	When Pipelines Meet Fountain. , 2015, , .		77
62	IODetector. ACM Transactions on Sensor Networks, 2015, 11, 1-29.	3.6	43
63	Urban Traffic Monitoring with the Help of Bus Riders. , 2015, , .		14
64	P-MTI: Physical-Layer Missing Tag Identification via Compressive Sensing. IEEE/ACM Transactions on Networking, 2015, 23, 1356-1366.	3.8	34
65	From Rateless to Hopless. , 2015, , .		9
66	Come and Be Served. , 2015, , .		95
67	Precise Power Delay Profiling with Commodity WiFi. , 2015, , .		354
68	Recitation. , 2015, , .		43
69	Detecting Phantom Data Usage on Smartphones with Analysis of Contextual Information. International Journal of Distributed Sensor Networks, 2015, 11, 135150.	2.2	1
70	Energy Efficient HVAC System with Distributed Sensing and Control. , 2014, , .		3
71	Use it free. , 2014, , .		139
72	Achieving convergence in operational transformation. , 2014, , .		15

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73	From rateless to distanceless: enabling sparse sensor network deployment in large areas. , 2014, , .		0
74	From rateless to distanceless. , 2014, , .		30
75	Demo Abstract: Wind measurements for water quality studies in urban reservoirs. , 2014, , .		1
76	Path reconstruction in dynamic wireless sensor networks using compressive sensing. , 2014, , .		23
77	Travi-Navi. , 2014, , .		88
78	Frogeye: Perception of the slightest tag motion. , 2014, , .		22
79	Towards More Efficient Cardinality Estimation for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2014, 22, 1886-1896.	3.8	37
80	MISC: Merging incorrect symbols using constellation diversity for 802.11 retransmission. , 2014, , .		11
81	Scalable Data Access Control in RFID-Enabled Supply Chain. , 2014, , .		12
82	QoF: Towards Comprehensive Path Quality Measurement in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1003-1013.	5.6	29
83	IMGPU: GPU-Accelerated Influence Maximization in Large-Scale Social Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 136-145.	5.6	49
84	Fair QoS multi-resource allocation for wireless LAN. , 2014, , .		0
85	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs. , 2014, , .		38
86	Read bulk data from computational RFIDs. , 2014, , .		19
87	Understanding Multi-Task Schedulabilityin Duty-Cycling Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2464-2475.	5.6	5
88	COLLECTOR: A secure RFID-enabled batch recall protocol. , 2014, , .		17
89	OTrack: Towards Order Tracking for Tags in Mobile RFID Systems. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2114-2125.	5.6	33
90	Tagoram. , 2014, , .		616

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91	Towards Energy-Fairness in Asynchronous Duty-Cycling Sensor Networks. ACM Transactions on Sensor Networks, 2014, 10, 1-26.	3.6	30
92	FLIGHT: Clock Calibration and Context Recognition Using Fluorescent Lighting. IEEE Transactions on Mobile Computing, 2014, 13, 1495-1508.	5.8	25
93	CO-MAP: Improving Mobile Multiple Access Efficiency With Location Input. IEEE Transactions on Wireless Communications, 2014, 13, 6643-6654.	9.2	5
94	How Long to Wait? Predicting Bus Arrival Time With Mobile Phone Based Participatory Sensing. IEEE Transactions on Mobile Computing, 2014, 13, 1228-1241.	5.8	116
95	Sensor Network Navigation without Locations. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1436-1446.	5.6	26
96	Does Wireless Sensor Network Scale? A Measurement Study on GreenOrbs. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1983-1993.	5.6	189
97	Exploiting Ubiquitous Data Collection for Mobile Users in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 312-326.	5.6	43
98	STAGGER: Improving Channel Utilization for Convergecast in Wireless Sensor Networks. , 2013, , .		1
99	Expandable and Cost-Effective Network Structures for Data Centers Using Dual-Port Servers. IEEE Transactions on Computers, 2013, 62, 1303-1317.	3.4	70
100	ZOE: Fast cardinality estimation for large-scale RFID systems. , 2013, , .		70
101	P-MTI: Physical-layer Missing Tag Identification via compressive sensing. , 2013, , .		55
102	SenSmart: Adaptive Stack Management for Multitasking Sensor Networks. IEEE Transactions on Computers, 2013, 62, 137-150.	3.4	14
103	Harnessing Mobile Multiple Access Efficiency with Location Input. , 2013, , .		4
104	Fast Tag Searching Protocol for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2013, 21, 924-934.	3.8	83
105	A Survey on Topology Control in Wireless Sensor Networks: Taxonomy, Comparative Study, and Open Issues. Proceedings of the IEEE, 2013, 101, 2538-2557.	21.3	290
106	Using fluorescent lighting for synchronization and mobile sensing with duty-cycled control. , 2013, , .		0
107	Sea depth measurement with restricted floating sensors. Transactions on Embedded Computing Systems, 2013, 13, 1-21.	2.9	19
108	Smart traffic monitoring with participatory sensing. , 2013, , .		17

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109	Property management in wireless sensor networks with overcomplete radon bases. ACM Transactions on Sensor Networks, 2013, 9, 1-26.	3.6	0
110	Set Reconciliation via Counting Bloom Filters. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2367-2380.	5.7	27
111	BubbleZEROâ€"Design, Construction and Operation of a Transportable Research Laboratory for Low Exergy Building System Evaluation in the Tropics. Energies, 2013, 6, 4551-4571.	3.1	19
112	OTrack: Order tracking for luggage in mobile RFID systems. , 2013, , .		67
113	IODetector. , 2012, , .		28
114	Mobile Sensing and Actuating with Ubiquitous Computing. International Journal of Distributed Sensor Networks, 2012, 8, 296396.	2.2	0
115	IODetector. , 2012, , .		98
116	Clock calibration using fluorescent lighting. , 2012, , .		4
117	Towards energy-fairness in asynchronous duty-cycling sensor networks. , 2012, , .		39
118	Fingerprinting Mobile User Positions in Sensor Networks: Attacks and Countermeasures. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 676-683.	5.6	8
119	COSE: A Query-Centric Framework of Collaborative Heterogeneous Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1681-1693.	5.6	8
120	PET: Probabilistic Estimating Tree for Large-Scale RFID Estimation. IEEE Transactions on Mobile Computing, 2012, 11, 1763-1774.	5.8	53
121	BEST: A Bidirectional Efficiency-Privacy Transferable Authentication Protocol for RFID-Enabled Supply Chain. , 2012, , .		1
122	How long to wait?. , 2012, , .		259
123	Fast tag searching protocol for large-scale RFID systems. , 2011, , .		42
124	Sweep Coverage with Mobile Sensors. IEEE Transactions on Mobile Computing, 2011, 10, 1534-1545.	5.8	109
125	Ubiquitous data collection for mobile users in wireless sensor networks. , 2011, , .		68
126	PET: Probabilistic Estimating Tree for Large-Scale RFID Estimation. , 2011, , .		57

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127	QoF: Towards comprehensive path quality measurement in wireless sensor networks. , 2011, , .		15
128	Understanding the Flooding in Low-Duty-Cycle Wireless Sensor Networks. , 2011, , .		16
129	Topological detection on wormholes in wireless ad hoc and sensor networks. IEEE/ACM Transactions on Networking, 2011, 19, 1787-1796.	3.8	68
130	Load Balanced Rendezvous Data Collection in Wireless Sensor Networks. , 2011, , .		15
131	Does wireless sensor network scale? A measurement study on GreenOrbs. , 2011, , .		76
132	Approaching Efficient Flooding Protocol Design in Low-Duty-Cycle Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 292-301.	1.3	0
133	Integrated scheduling for mobility-assisted Wireless Sensor Networks. International Journal of Ad Hoc and Ubiquitous Computing, 2011, 8, 96.	0.5	0
134	Multiple task scheduling for low-duty-cycled wireless sensor networks. , 2011, , .		33
135	Long-term large-scale sensing in the forest: recent advances and future directions of GreenOrbs. Frontiers of Computer Science, 2010, 4, 334-338.	0.6	21
136	Passive Diagnosis for Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2010, 18, 1132-1144.	3.8	169
137	Rendered Path: Range-Free Localization in Anisotropic Sensor Networks With Holes. IEEE/ACM Transactions on Networking, 2010, 18, 320-332.	3.8	182
138	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 699-710.	5.7	51
139	Fractured voronoi segments: Topology discovery for wireless sensor networks. , 2010, , .		1
140	Exploring the hidden connectivity in urban vehicular networks. , 2010, , .		14
141	Versatile Stack Management for Multitasking Sensor Networks. , 2010, , .		4
142	Fingerprinting Mobile User Positions in Sensor Networks. , 2010, , .		6
143	Underground coal mine monitoring with wireless sensor networks. ACM Transactions on Sensor Networks, 2009, 5, 1-29.	3.6	312
144	Topological detection on wormholes in wireless ad hoc and sensor networks. , 2009, , .		13

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145	WormCircle: Connectivity-Based Wormhole Detection in Wireless Ad Hoc and Sensor Networks. , 2009, , .		13
146	Run to Potential: Sweep Coverage in Wireless Sensor Networks. , 2009, , .		22
147	Signature-File-Based Approach for Query Answering Over Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3146-3154.	6.3	3
148	Methods for Ultra-Wideband Pulse Generation Based on Optical Cross-Polarization Modulation. Journal of Lightwave Technology, 2008, 26, 2492-2499.	4.6	49
149	Hidden information and actions in multi-hop wireless ad hoc networks. , 2008, , .		23
150	Using Cable-Based Mobile Sensors to Assist Environment Surveillance. , 2008, , .		3
151	MDS: Efficient Multi-dimensional Query Processing in Data-Centric WSNs. , 2008, , .		2
152	Using cable-based mobile sensors to assist environment surveillance. , 2008, , .		0
153	Sweep coverage with mobile sensors. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	26
154	Collaborative query processing among heterogeneous sensor networks. , 2008, , .		7
155	Passive diagnosis for wireless sensor networks. , 2008, , .		75
156	Passive diagnosis for wireless sensor networks. , 2008, , .		4
157	Nonthreshold-Based Event Detection for 3D Environment Monitoring in Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1699-1711.	5.7	53
158	Sensor network navigation without locations. , 2008, , .		12
159	Underground structure monitoring with wireless sensor networks. , 2007, , .		147
160	Rendered path. , 2007, , .		111
161	Non-Threshold based Event Detection for 3D Environment Monitoring in Sensor Networks. , 2007, , .		46
162	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. , 2007, , .		53

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163	Sea Depth Measurement with Restricted Floating Sensors. , 2007, , .		75
164	Achieving Anonymous Communication in Ad Hoc Networks. , 2006, , .		0
165	Truthful Topology Control inWireless Ad Hoc Networks with Selfish Nodes. , 0, , .		1