

Mo Li

List of Publications by Year in descending order

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Version: 2024-02-01

165
papers

7,328
citations

136740

32
h-index

138251

58
g-index

168
all docs

168
docs citations

168
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	Tagoram. , 2014, , .		616
2	Precise Power Delay Profiling with Commodity WiFi. , 2015, , .		354
3	Underground coal mine monitoring with wireless sensor networks. ACM Transactions on Sensor Networks, 2009, 5, 1-29.	2.3	312
4	A Survey on Topology Control in Wireless Sensor Networks: Taxonomy, Comparative Study, and Open Issues. Proceedings of the IEEE, 2013, 101, 2538-2557.	16.4	290
5	How long to wait?. , 2012, , .		259
6	Known and Unknown Facts of LoRa. ACM Transactions on Sensor Networks, 2019, 15, 1-35.	2.3	226
7	Does Wireless Sensor Network Scale? A Measurement Study on GreenOrbs. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1983-1993.	4.0	189
8	Rendered Path: Range-Free Localization in Anisotropic Sensor Networks With Holes. IEEE/ACM Transactions on Networking, 2010, 18, 320-332.	2.6	182
9	Passive Diagnosis for Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2010, 18, 1132-1144.	2.6	169
10	Precise Power Delay Profiling with Commodity Wi-Fi. IEEE Transactions on Mobile Computing, 2019, 18, 1342-1355.	3.9	167
11	mD-Track. , 2019, , .		161
12	Underground structure monitoring with wireless sensor networks. , 2007, , .		147
13	Use it free. , 2014, , .		139
14	How Long to Wait? Predicting Bus Arrival Time With Mobile Phone Based Participatory Sensing. IEEE Transactions on Mobile Computing, 2014, 13, 1228-1241.	3.9	116
15	Urban Traffic Prediction from Mobility Data Using Deep Learning. IEEE Network, 2018, 32, 40-46.	4.9	113
16	Rendered path. , 2007, , .		111
17	Sweep Coverage with Mobile Sensors. IEEE Transactions on Mobile Computing, 2011, 10, 1534-1545.	3.9	109
18	IODetector. , 2012, , .		98

#	ARTICLE	IF	CITATIONS
19	Come and Be Served. , 2015, , .		95
20	Travi-Navi. , 2014, , .		88
21	Fast Tag Searching Protocol for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2013, 21, 924-934.	2.6	83
22	When Pipelines Meet Fountain. , 2015, , .		77
23	Does wireless sensor network scale? A measurement study on GreenOrbs. , 2011, , .		76
24	Sea Depth Measurement with Restricted Floating Sensors. , 2007, , .		75
25	Passive diagnosis for wireless sensor networks. , 2008, , .		75
26	Travi-Navi: Self-Deployable Indoor Navigation System. IEEE/ACM Transactions on Networking, 2017, 25, 2655-2669.	2.6	75
27	LMAC. , 2020, , .		74
28	Expandable and Cost-Effective Network Structures for Data Centers Using Dual-Port Servers. IEEE Transactions on Computers, 2013, 62, 1303-1317.	2.4	70
29	ZOE: Fast cardinality estimation for large-scale RFID systems. , 2013, , .		70
30	Ubiquitous data collection for mobile users in wireless sensor networks. , 2011, , .		68
31	Topological detection on wormholes in wireless ad hoc and sensor networks. IEEE/ACM Transactions on Networking, 2011, 19, 1787-1796.	2.6	68
32	OTrack: Order tracking for luggage in mobile RFID systems. , 2013, , .		67
33	Mining Road Network Correlation for Traffic Estimation via Compressive Sensing. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1880-1893.	4.7	63
34	PET: Probabilistic Estimating Tree for Large-Scale RFID Estimation. , 2011, , .		57
35	P-MTI: Physical-layer Missing Tag Identification via compressive sensing. , 2013, , .		55
36	Scalable Industry Data Access Control in RFID-Enabled Supply Chain. IEEE/ACM Transactions on Networking, 2016, 24, 3551-3564.	2.6	55

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37	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. , 2007, , .		53
38	Nonthreshold-Based Event Detection for 3D Environment Monitoring in Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1699-1711.	4.0	53
39	PET: Probabilistic Estimating Tree for Large-Scale RFID Estimation. IEEE Transactions on Mobile Computing, 2012, 11, 1763-1774.	3.9	53
40	A Participatory Urban Traffic Monitoring System: The Power of Bus Riders. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2851-2864.	4.7	53
41	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 699-710.	4.0	51
42	Methods for Ultra-Wideband Pulse Generation Based on Optical Cross-Polarization Modulation. Journal of Lightwave Technology, 2008, 26, 2492-2499.	2.7	49
43	IMGPU: GPU-Accelerated Influence Maximization in Large-Scale Social Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 136-145.	4.0	49
44	Memento. ACM Transactions on Sensor Networks, 2019, 15, 1-23.	2.3	47
45	Non-Threshold based Event Detection for 3D Environment Monitoring in Sensor Networks. , 2007, , .		46
46	Exploiting Ubiquitous Data Collection for Mobile Users in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 312-326.	4.0	43
47	IODetector. ACM Transactions on Sensor Networks, 2015, 11, 1-29.	2.3	43
48	Recitation. , 2015, , .		43
49	Fast tag searching protocol for large-scale RFID systems. , 2011, , .		42
50	DopEnc. , 2016, , .		42
51	SWAN. , 2018, , .		40
52	Towards energy-fairness in asynchronous duty-cycling sensor networks. , 2012, , .		39
53	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs. , 2014, , .		38
54	CLNet: Complex Input Lightweight Neural Network Designed for Massive MIMO CSI Feedback. IEEE Wireless Communications Letters, 2021, 10, 2318-2322.	3.2	38

#	ARTICLE	IF	CITATIONS
55	Towards More Efficient Cardinality Estimation for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2014, 22, 1886-1896.	2.6	37
56	xD-track. , 2016, , .		37
57	P-MTI: Physical-Layer Missing Tag Identification via Compressive Sensing. IEEE/ACM Transactions on Networking, 2015, 23, 1356-1366.	2.6	34
58	SoftLight: Adaptive visible light communication over screen-camera links. , 2016, , .		34
59	From Rateless to Distanceless: Enabling Sparse Sensor Network Deployment in Large Areas. IEEE/ACM Transactions on Networking, 2016, 24, 2498-2511.	2.6	34
60	Multiple task scheduling for low-duty-cycled wireless sensor networks. , 2011, , .		33
61	OTrack: Towards Order Tracking for Tags in Mobile RFID Systems. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2114-2125.	4.0	33
62	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. ACM Transactions on Sensor Networks, 2015, 11, 1-27.	2.3	33
63	Think Like A Graph: Real-Time Traffic Estimation at City-Scale. IEEE Transactions on Mobile Computing, 2019, 18, 2446-2459.	3.9	33
64	From rateless to distanceless. , 2014, , .		30
65	Towards Energy-Fairness in Asynchronous Duty-Cycling Sensor Networks. ACM Transactions on Sensor Networks, 2014, 10, 1-26.	2.3	30
66	QoF: Towards Comprehensive Path Quality Measurement in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1003-1013.	4.0	29
67	IODetector. , 2012, , .		28
68	Set Reconciliation via Counting Bloom Filters. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2367-2380.	4.0	27
69	Sweep coverage with mobile sensors. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	26
70	Sensor Network Navigation without Locations. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1436-1446.	4.0	26
71	iType: Using eye gaze to enhance typing privacy. , 2017, , .		26
72	FLIGHT: Clock Calibration and Context Recognition Using Fluorescent Lighting. IEEE Transactions on Mobile Computing, 2014, 13, 1495-1508.	3.9	25

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73	Hidden information and actions in multi-hop wireless ad hoc networks. , 2008, , .		23
74	Path reconstruction in dynamic wireless sensor networks using compressive sensing. , 2014, , .		23
75	Run to Potential: Sweep Coverage in Wireless Sensor Networks. , 2009, , .		22
76	Frogeye: Perception of the slightest tag motion. , 2014, , .		22
77	PLACE: Physical layer cardinality estimation for large-scale RFID systems. , 2015, , .		22
78	LIMU-BERT. , 2021, , .		22
79	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
80	PLACE: Physical Layer Cardinality Estimation for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2016, 24, 2702-2714.	2.6	21
81	Secure and Private RFID-Enabled Third-Party Supply Chain Systems. IEEE Transactions on Computers, 2016, 65, 3413-3426.	2.4	21
82	Path Reconstruction in Dynamic Wireless Sensor Networks Using Compressive Sensing. IEEE/ACM Transactions on Networking, 2016, 24, 1948-1960.	2.6	21
83	Walkway Discovery from Large Scale Crowdsensing. , 2018, , .		20
84	Sea depth measurement with restricted floating sensors. Transactions on Embedded Computing Systems, 2013, 13, 1-21.	2.1	19
85	BubbleZERO“Design, Construction and Operation of a Transportable Research Laboratory for Low Energy Building System Evaluation in the Tropics. Energies, 2013, 6, 4551-4571.	1.6	19
86	Read bulk data from computational RFIDs. , 2014, , .		19
87	Come and Be Served: Parallel Decoding for COTS RFID Tags. IEEE/ACM Transactions on Networking, 2017, 25, 1569-1581.	2.6	18
88	Pando: Fountain-Enabled Fast Data Dissemination With Constructive Interference. IEEE/ACM Transactions on Networking, 2017, 25, 820-833.	2.6	18
89	Amateur. , 2018, 2, 1-24.		18
90	Synthesizing Wider WiFi Bandwidth for Respiration Rate Monitoring in Dynamic Environments. , 2019, , .		18

#	ARTICLE	IF	CITATIONS
91	Large-scale vehicle trajectory reconstruction with camera sensing network. , 2021, , .		18
92	Smart traffic monitoring with participatory sensing. , 2013, , .		17
93	COLLECTOR: A secure RFID-enabled batch recall protocol. , 2014, , .		17
94	Understanding the Flooding in Low-Duty-Cycle Wireless Sensor Networks. , 2011, , .		16
95	Soft Hint Enabled Adaptive Visible Light Communication over Screen-Camera Links. IEEE Transactions on Mobile Computing, 2017, 16, 527-537.	3.9	16
96	Vision and Challenges for Knowledge Centric Networking. IEEE Wireless Communications, 2019, 26, 117-123.	6.6	16
97	QoF: Towards comprehensive path quality measurement in wireless sensor networks. , 2011, , .		15
98	Load Balanced Rendezvous Data Collection in Wireless Sensor Networks. , 2011, , .		15
99	Achieving convergence in operational transformation. , 2014, , .		15
100	Exploring the hidden connectivity in urban vehicular networks. , 2010, , .		14
101	SenSmart: Adaptive Stack Management for Multitasking Sensor Networks. IEEE Transactions on Computers, 2013, 62, 137-150.	2.4	14
102	Urban Traffic Monitoring with the Help of Bus Riders. , 2015, , .		14
103	Topological detection on wormholes in wireless ad hoc and sensor networks. , 2009, , .		13
104	WormCircle: Connectivity-Based Wormhole Detection in Wireless Ad Hoc and Sensor Networks. , 2009, , .		13
105	Localization for industrial warehouse storage rack using passive UHF RFID system. , 2017, , .		13
106	Generating Mobility Trajectories with Retained Data Utility. , 2021, , .		13
107	Sensor network navigation without locations. , 2008, , .		12
108	Scalable Data Access Control in RFID-Enabled Supply Chain. , 2014, , .		12

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109	EchoWrite: An Acoustic-Based Finger Input System Without Training. IEEE Transactions on Mobile Computing, 2021, 20, 1789-1803.	3.9	12
110	MISC: Merging incorrect symbols using constellation diversity for 802.11 retransmission. , 2014, , .		11
111	Read Bulk Data From Computational RFIDs. IEEE/ACM Transactions on Networking, 2016, 24, 3098-3108.	2.6	11
112	Incorporating Energy Heterogeneity into Sensor Network Time Synchronization. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 163-173.	4.0	9
113	From Rateless to Hopless. , 2015, , .		9
114	Augmenting wide-band 802.11 transmissions via unequal packet bit protection. , 2016, , .		9
115	Guest Editorial Special Section on Internet-of-Things for Smart Cities and Urban Informatics. IEEE Transactions on Industrial Informatics, 2017, 13, 748-750.	7.2	9
116	Fingerprinting Mobile User Positions in Sensor Networks: Attacks and Countermeasures. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 676-683.	4.0	8
117	COSE: A Query-Centric Framework of Collaborative Heterogeneous Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1681-1693.	4.0	8
118	Attack-aware Synchronization-free Data Timestamping in LoRaWAN. ACM Transactions on Sensor Networks, 2022, 18, 1-31.	2.3	8
119	Collaborative query processing among heterogeneous sensor networks. , 2008, , .		7
120	Pricing Data Tampering in Automated Fare Collection with NFC-Equipped Smartphones. IEEE Transactions on Mobile Computing, 2019, 18, 1159-1173.	3.9	7
121	EchoWrite: An Acoustic-based Finger Input System Without Training. , 2019, , .		7
122	Last-Mile School Shuttle Planning With Crowdsensed Student Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 293-306.	4.7	7
123	Fingerprinting Mobile User Positions in Sensor Networks. , 2010, , .		6
124	An Acoustic-Based Encounter Profiling System. IEEE Transactions on Mobile Computing, 2018, 17, 1750-1763.	3.9	6
125	Internet-of-microchips. , 2020, , .		6
126	Attack-Aware Data Timestamping in Low-Power Synchronization-Free LoRaWAN. , 2020, , .		6

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127	Understanding Multi-Task Schedulability in Duty-Cycling Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2464-2475.	4.0	5
128	CO-MAP: Improving Mobile Multiple Access Efficiency With Location Input. IEEE Transactions on Wireless Communications, 2014, 13, 6643-6654.	6.1	5
129	Passive diagnosis for wireless sensor networks. , 2008, , .		4
130	Versatile Stack Management for Multitasking Sensor Networks. , 2010, , .		4
131	Clock calibration using fluorescent lighting. , 2012, , .		4
132	Harnessing Mobile Multiple Access Efficiency with Location Input. , 2013, , .		4
133	From Rateless to Hopless. IEEE/ACM Transactions on Networking, 2016, , 1-14.	2.6	4
134	Signature-File-Based Approach for Query Answering Over Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3146-3154.	3.9	3
135	Using Cable-Based Mobile Sensors to Assist Environment Surveillance. , 2008, , .		3
136	Energy Efficient HVAC System with Distributed Sensing and Control. , 2014, , .		3
137	BEST: a bidirectional efficiency-privacy transferable authentication protocol for RFID-enabled supply chain. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 18, 234.	0.3	3
138	Fair QoS multi-resource allocation for uplink traffic in WLAN. Wireless Networks, 2017, 23, 467-486.	2.0	3
139	Large-scale invisible attack on AFC systems with NFC-equipped smartphones. , 2017, , .		3
140	<i>R</i> ³. Transactions on Embedded Computing Systems, 2018, 17, 1-25.	2.1	3
141	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. , 2018, , .		3
142	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. IEEE Transactions on Mobile Computing, 2021, 20, 2505-2517.	3.9	3
143	MDS: Efficient Multi-dimensional Query Processing in Data-Centric WSNs. , 2008, , .		2
144	Memento: An Emotion Driven Lifelogging System with Wearables. , 2017, , .		2

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145	Truthful Topology Control in Wireless Ad Hoc Networks with Selfish Nodes. , 0, , .		1
146	Fractured voronoi segments: Topology discovery for wireless sensor networks. , 2010, , .		1
147	BEST: A Bidirectional Efficiency-Privacy Transferable Authentication Protocol for RFID-Enabled Supply Chain. , 2012, , .		1
148	STAGGER: Improving Channel Utilization for Convergecast in Wireless Sensor Networks. , 2013, , .		1
149	Demo Abstract: Wind measurements for water quality studies in urban reservoirs. , 2014, , .		1
150	StrLight: An Imperceptible Visible Light Communication System with String Lights. IEEE Transactions on Mobile Computing, 2019, 18, 1674-1687.	3.9	1
151	CrowdAtlas: Estimating Crowd Distribution within the Urban Rail Transit System. , 2021, , .		1
152	Predicting the Impact of Disruptions to Urban Rail Transit Systems. , 2021, , .		1
153	Detecting Phantom Data Usage on Smartphones with Analysis of Contextual Information. International Journal of Distributed Sensor Networks, 2015, 11, 135150.	1.3	1
154	Achieving Anonymous Communication in Ad Hoc Networks. , 2006, , .		0
155	Using cable-based mobile sensors to assist environment surveillance. , 2008, , .		0
156	Approaching Efficient Flooding Protocol Design in Low-Duty-Cycle Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 292-301.	1.0	0
157	Integrated scheduling for mobility-assisted Wireless Sensor Networks. International Journal of Ad Hoc and Ubiquitous Computing, 2011, 8, 96.	0.3	0
158	Mobile Sensing and Actuating with Ubiquitous Computing. International Journal of Distributed Sensor Networks, 2012, 8, 296396.	1.3	0
159	Using fluorescent lighting for synchronization and mobile sensing with duty-cycled control. , 2013, , .		0
160	Property management in wireless sensor networks with overcomplete radon bases. ACM Transactions on Sensor Networks, 2013, 9, 1-26.	2.3	0
161	From rateless to distanceless: enabling sparse sensor network deployment in large areas. , 2014, , .		0
162	Fair QoS multi-resource allocation for wireless LAN. , 2014, , .		0

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163	Poster abstract: Emotion-driven lifelogging with wearables. , 2016, , .		0
164	Demo Abstract: Walkway Discovery from Large Scale Crowdsensing. , 2018, , .		0
165	Predicting the Impact of Disruptions to Urban Rail Transit Systems. ACM Transactions on Sensor Networks, 2023, 19, 1-17.	2.3	0