

Minglu 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.

147
papers

2,382
citations

27
h-index

44
g-index

217
ext. papers

2,953
ext. citations

3.1
avg. IF

5.1
L-index

#	Paper	IF	Citations
147	A Compressive Sensing Approach to Urban Traffic Estimation with Probe Vehicles. <i>IEEE Transactions on Mobile Computing</i> , 2013 , 12, 2289-2302	4.6	115
146	Performance Evaluation of Vehicle-Based Mobile Sensor Networks for Traffic Monitoring. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 1647-1653	6.8	115
145	Performance Evaluation of SUVnet With Real-Time Traffic Data. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 3381-3396	6.8	97
144	Energy Efficient Target-Oriented Scheduling in Directional Sensor Networks. <i>IEEE Transactions on Computers</i> , 2009 , 58, 1259-1274	2.5	94
143	Scan-Based Movement-Assisted Sensor Deployment Methods in Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2007 , 18, 1108-1121	3.7	92
142	Toward Secure Multikeyword Top-k Retrieval over Encrypted Cloud Data. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2013 , 10, 239-250	3.9	87
141	Compressive Sensing Approach to Urban Traffic Sensing 2011 ,		75
140	An overview of using directional antennas in wireless networks. <i>International Journal of Communication Systems</i> , 2013 , 26, 413-448	1.7	74
139	Reliable Anchor-Based Sensor Localization in Irregular Areas. <i>IEEE Transactions on Mobile Computing</i> , 2010 , 9, 60-72	4.6	72
138	Impact of Traffic Influxes: Revealing Exponential Intercontact Time in Urban VANETs. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2011 , 22, 1258-1266	3.7	67
137	Achieving an effective, scalable and privacy-preserving data sharing service in cloud computing. <i>Computers and Security</i> , 2014 , 42, 151-164	4.9	61
136	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 2198-2212	4.6	60
135	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10590-10602	6.8	59
134	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 3586-3597	6.8	57
133	SenSpeed: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments. <i>IEEE Transactions on Mobile Computing</i> , 2016 , 15, 202-216	4.6	56
132	A Distance-Based Directional Broadcast Protocol for Urban Vehicular Ad Hoc Network 2007 ,		53
131	SenSpeed: Sensing driving conditions to estimate vehicle speed in urban environments 2014 ,		52

130	A Social-Aware Service Recommendation Approach for Mashup Creation 2013 ,		49
129	Towards Rear-End Collision Avoidance: Adaptive Beaconing for Connected Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 1248-1263	6.1	43
128	Joint Topology Control and Routing in IEEE 802.11-Based Multiradio Multichannel Mesh Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 3123-3136	6.8	36
127	A Double Auction Mechanism to Bridge Users' Task Requirements and Providers' Resources in Two-Sided Cloud Markets. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018 , 29, 720-733	3.7	34
126	DTN Routing in Vehicular Sensor Networks 2008 ,		32
125	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. <i>IEEE/ACM Transactions on Networking</i> , 2019 , 27, 447-460	3.8	31
124	D3: Abnormal driving behaviors detection and identification using smartphone sensors 2015 ,		31
123	A Distributed Algorithm for Web Service Composition Based on Service Agent Model. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2011 , 22, 2008-2021	3.7	29
122	LipPass: Lip Reading-based User Authentication on Smartphones Leveraging Acoustic Signals 2018 ,		29
121	Intelligent Context-Aware Communication Paradigm Design for IoVs Based on Data Analytics. <i>IEEE Network</i> , 2018 , 32, 74-82	11.4	28
120	Sensing Human-Screen Interaction for Energy-Efficient Frame Rate Adaptation on Smartphones. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 1698-1711	4.6	26
119	. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 4237-4249	10.7	26
118	HERO: Online Real-Time Vehicle Tracking. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2009 , 20, 740-752	3.7	25
117	Performance Evaluation of Vehicular DTN Routing under Realistic Mobility Models 2008 ,		25
116	An Empirical Study on Urban IEEE 802.11p Vehicle-to-Vehicle Communication 2016 ,		24
115	Towards Context-Aware Workflow Management for Ubiquitous Computing 2008 ,		24
114	Cover Set Problem in Directional Sensor Networks 2007 ,		24
113	CPU load prediction for cloud environment based on a dynamic ensemble model. <i>Software - Practice and Experience</i> , 2014 , 44, 793-804	2.5	23

112	Real-time transaction processing for autonomic Grid applications. <i>Engineering Applications of Artificial Intelligence</i> , 2004 , 17, 799-807	7.2	22
111	Leveraging Audio Signals for Early Recognition of Inattentive Driving with Smartphones. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1553-1567	4.6	20
110	A Multiobjective Resources Scheduling Approach Based on Genetic Algorithms in Grid Environment 2006 ,		20
109	ShanghaiGrid: an Information Service Grid. <i>Concurrency Computation Practice and Experience</i> , 2006 , 18, 111-135	1.4	19
108	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013 , 24, 1390-1400	3.7	18
107	Free-Riding on BitTorrent-Like Peer-to-Peer File Sharing Systems: Modeling Analysis and Improvement. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2008 , 19, 954-966	3.7	18
106	L3: Sensing driving conditions for vehicle lane-level localization on highways 2016 ,		17
105	META: A Mobility Model of METropolitan TAxis Extracted from GPS Traces 2010 ,		17
104	Energy-efficient scheduling on multi-FPGA reconfigurable systems. <i>Microprocessors and Microsystems</i> , 2013 , 37, 590-600	2.4	16
103	ER: Early recognition of inattentive driving leveraging audio devices on smartphones 2017 ,		15
102	SECO: Secure and scalable data collaboration services in cloud computing. <i>Computers and Security</i> , 2015 , 50, 91-105	4.9	15
101	Leveraging Smartphones for Vehicle Lane-Level Localization on Highways. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1894-1907	4.6	14
100	H-Tree: An Efficient Index Structure for Event Matching in Content-Based Publish/Subscribe Systems. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 1622-1632	3.7	14
99	Grid Computing in China. <i>Journal of Grid Computing</i> , 2004 , 2, 193-206	4.2	13
98	ANTS: Efficient Vehicle Locating Based on Ant Search in ShanghaiGrid. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 4088-4097	6.8	12
97	KeyListener: Inferring Keystrokes on QWERTY Keyboard of Touch Screen through Acoustic Signals 2019 ,		11
96	Exploring the hidden connectivity in urban vehicular networks 2010 ,		11
95	Using genetic algorithm to implement cost-driven web service selection. <i>Multiagent and Grid Systems</i> , 2007 , 3, 9-17	0.5	11

94	SteerTrack: Acoustic-Based Device-Free Steering Tracking Leveraging Smartphones 2018,		10
93	Transaction Management for Reliable Grid Applications 2009,		10
92	On Reducing Broadcast Transmission Cost and Redundancy in Ad Hoc Wireless Networks Using Directional Antennas. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 1433-1442	6.8	10
91	A Markov Detection Tree-Based Centralized Scheme to Automatically Identify Malicious Webpages on Cloud Platforms. <i>IEEE Access</i> , 2018 , 6, 74025-74038	3.5	10
90	A Social-Aware Service Recommendation Approach for Mashup Creation. <i>International Journal of Web Services Research</i> , 2013 , 10, 53-72	0.8	9
89	Design and Implementation of a Hybrid Channel-Assignment Protocol for a Multi-Interface Wireless Mesh Network. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2986-2997	6.8	8
88	Adjusting Matching Algorithm to Adapt to Workload Fluctuations in Content-based Publish/Subscribe Systems 2019,		6
87	PhSIH 2019,		6
86	FFT-DMAC: A Tone Based MAC Protocol with Directional Antennas 2007,		6
85	A Transaction Model for Grid Computing. <i>Lecture Notes in Computer Science</i> , 2003 , 382-386	0.9	6
84	Evolutionary trust scheme of certificate game in mobile cloud computing. <i>Soft Computing</i> , 2018 , 22, 2245-2255	5.3	5
83	S3: Characterizing Sociality for User-Friendly Steady Load Balancing in Enterprise WLANs 2013,		5
82	On efficient neighbor sensing in vehicular networks. <i>Computer Communications</i> , 2012 , 35, 1639-1648	5.1	5
81	Data Aggregation with Multiple Spanning Trees in Wireless Sensor Networks 2008,		5
80	On Reducing Broadcast Transmission Cost and Redundancy in Ad Hoc Wireless Networks Using Directional Antennas 2008,		5
79	A geography-free routing protocol for wireless sensor networks		5
78	I3 2019 , 3, 1-22		4
77	Optimal Relay Placement for Indoor Sensor Networks 2012,		4

76	A Trust-Based Detecting Mechanism against Profile Injection Attacks in Recommender Systems 2009 ,		4
75	A Distributed Agent Coalition Algorithm for Web Service Composition 2009 ,		4
74	Spatial continuity incorporated multi-attribute fuzzy clustering algorithm for blood vessels segmentation. <i>Science China Information Sciences</i> , 2010 , 53, 752-759	3-4	4
73	A QoS-Aware and Fault-Tolerant Workflow Composition for Grid 2008 ,		4
72	Grid resource management based on economic mechanisms. <i>Journal of Supercomputing</i> , 2007 , 42, 181-199		4
71	A modified fuzzy c-means algorithm for segmentation of MRI		4
70	Modeling response time of SOAP over Http 2005 ,		4
69	VPad: Virtual Writing Tablet for Laptops Leveraging Acoustic Signals 2018 ,		4
68	A dynamic multiple-keys game-based industrial wireless sensor-cloud authentication scheme. <i>Journal of Supercomputing</i> , 2018 , 74, 6794-6814	2-5	4
67	Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4142-4154	6.8	3
66	Achieving secure and efficient data collaboration in cloud computing 2013 ,		3
65	Customer satisfaction-aware scheduling for utility maximization on geo-distributed data centers. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 1334-1354	1.4	3
64	Hybrid CPU Management for Adapting to the Diversity of Virtual Machines. <i>IEEE Transactions on Computers</i> , 2013 , 62, 1332-1344	2.5	3
63	Private Cloud System Based on BOINC with Support for Parallel and Distributed Simulation 2011 ,		3
62	Improving Keyphrase Extraction Using Wikipedia Semantics 2008 ,		3
61	Efficient Data Suppression for Wireless Sensor Networks 2008 ,		3
60	Scalable and Secure Routing for Large-Scale Sensor Networks 2008 ,		3
59	A BLP-Based Access Control Mechanism for the Virtual Machine System 2008 ,		3

58	Modeling Analysis and Improvement for Free-Riding on BitTorrent-like File Sharing Systems 2007 ,		3
57	A Passive Geographical Routing Protocol in VANET 2008 ,		3
56	Web Resource Monitoring Based on Common Information Model 2006 ,		3
55	DWSDM: A Web Services Discovery Mechanism Based on a Distributed Hash Table 2006 ,		3
54	Optimization of Accurate Top-k Query in Sensor Networks with Cached Data 2007 ,		3
53	Goal-Driven Semantic Description and Query for Grid Workflow 2007 ,		3
52	An ECA Rules Based Middleware Architecture for Wireless Sensor Networks 2005 ,		3
51	An economic-based resource management framework in the grid context 2005 ,		3
50	Cost-efficient VM configuration algorithm in the cloud using mix scaling strategy 2017 ,		2
49	SEED: solar energy-aware efficient scheduling for data centers. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 2811-2835	1.4	2
48	Information Extraction for Computer Science Academic Rankings System 2013 ,		2
47	DiSen: Ranging Indoor Casual Walks with Smartphones 2015 ,		2
46	P2E: Privacy-preserving and effective cloud data sharing service 2013 ,		2
45	A weighted interference estimation scheme for interface-switching wireless mesh networks. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 773-784	1.9	2
44	A Distributed Application Component Placement Approach for Cloud Computing Environment 2011 ,		2
43	A Collaborative Filtering Recommendation Model Using Polynomial Regression Approach 2009 ,		2
42	Practical location-based routing in vehicular ad hoc networks 2009 ,		2
41	A dynamically self-configurable service process engine. <i>World Wide Web</i> , 2010 , 13, 475-495	2.9	2

40	Constructing Incentive Oriented Overlay on Mobile Peer-to-Peer Networks 2007 ,		2
39	CNP-based Implementation of Service-oriented Workflow Mapping in SHGWMS. <i>World Wide Web</i> , 2008 , 11, 199-226	2.9	2
38	Membrane Calculus: a formal method for Grid transactions. <i>Concurrency Computation Practice and Experience</i> , 2006 , 18, 1799-1809	1.4	2
37	An Interference Graph Based MAC Protocol for Ad Hoc Wireless Networks 2006 ,		2
36	Multispectral MR images segmentation using SOM network		2
35	A semantic-based architecture for sensor networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2005 , 60, 928-943	2	2
34	Safety-Aware and Distributed Beacon Congestion Control. <i>Wireless Networks</i> , 2020 , 129-157	0.6	2
33	An Unsupervised Incremental Virtual Learning Method for Financial Fraud Detection 2019 ,		2
32	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. <i>Computer Journal</i> , 2020 ,	1.3	1
31	Differential privacy for publishing enterprise-scale WLAN traces. <i>Soft Computing</i> , 2019 , 23, 5667-5682	3.5	1
30	Context-adaptive and energy-efficient mobile transaction management in pervasive environments. <i>Journal of Supercomputing</i> , 2012 , 60, 62-86	2.5	1
29	Evolutionary game-based cooperative strategy for effective capacity of multiple-input-multiple-output communications. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771773796	1.7	1
28	Security Challenges on the Clone, Snapshot, Migration and Rollback of Xen Based Computing Environments 2010 ,		1
27	Towards Context-Aware Ubiquitous Transaction Processing: A Model and Algorithm 2011 ,		1
26	VStore: Towards Cooperative Storage in Vehicular Sensor Networks for Mobile Surveillance 2009 ,		1
25	Ant Algorithm with Execution Quality Based Prediction in Grid Scheduling 2009 ,		1
24	An Active Trusted Model for Virtual Machine Systems 2009 ,		1
23	LICP: A look-ahead intersection control policy with intelligent vehicles 2009 ,		1

22	ITIS: Intelligent Traffic Information Service in ShanghaiGrid 2008 ,		1
21	Traffic Data Processing in Vehicular Sensor Networks 2008 ,		1
20	A Resource Scheduling Strategy for Intrusion Detection on Multi-core Platform 2008 ,		1
19	Method of using BDI agents to implement service-oriented workflow mapping in AGWMS. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2008 , 23, 171-195	1	1
18	An Interference-Aware Busy Tone Based MAC Protocol. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	1
17	A transactional grid workflow service for ShanghaiGrid. <i>International Journal of Web and Grid Services</i> , 2007 , 3, 424	1.4	1
16	PChord: improvement on chord to achieve better routing efficiency by exploiting proximity		1
15	Portlet-based Portal Design for Grid Systems 2006 ,		1
14	ShanghaiGrid as an information service grid: an overview 2005 ,		1
13	Towards Building Intelligent Transportation Information Service System on Grid. <i>Lecture Notes in Computer Science</i> , 2006 , 632-642	0.9	1
12	Characterizing Urban V2V Link Communications. <i>Wireless Networks</i> , 2020 , 77-99	0.6	1
11	Sequential Message Characterization for Early Classification of Encrypted Internet Traffic. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3746-3760	6.8	1
10	City-Wide NB-IoT Network Monitoring and Diagnosing. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-14	1.9	1
9	An event view specification approach for Supporting Service process collaboration. <i>Concurrency Computation Practice and Experience</i> , 2013 , 25, 1943-1966	1.4	0
8	On efficient replication-based routing in vehicular networks. <i>Journal of High Speed Networks</i> , 2014 , 20, 29-40	0.4	
7	Experimental Work on VANET 2013 , 577-598		
6	Nondeterministic temporal relations in multimedia data. <i>Journal of Computer Science and Technology</i> , 1997 , 12, 244-251	1.7	
5	Combining Wireless Sensor Network with Grid for Intelligent City Traffic. <i>Lecture Notes in Computer Science</i> , 2006 , 260-269	0.9	

- 4 Efficient and Scalable MAC Design. *Wireless Networks*, **2020**, 53-75 0.6
- 3 Link-Aware Reliable Beaconing Scheme Design. *Wireless Networks*, **2020**, 101-127 0.6
- 2 Radio Frequency Identification (RFID) Based Reliable Applications for Enterprise Grid. *Lecture Notes in Computer Science*, **2006**, 516-524 0.9
- 1 Vehicular Networking Techniques for Road-Safety Applications. *Wireless Networks*, **2020**, 11-23 0.6