

# Minglu Li

## List of Publications by Year in Descending Order

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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	City-Wide NB-IoT Network Monitoring and Diagnosing. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-14	1.9	1
146	Sequential Message Characterization for Early Classification of Encrypted Internet Traffic. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 3746-3760	6.8	1
145	Towards Rear-End Collision Avoidance: Adaptive Beaconing for Connected Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 1248-1263	6.1	43
144	Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 4142-4154	6.8	3
143	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. <i>Computer Journal</i> , <b>2020</b> ,	1.3	1
142	Efficient and Scalable MAC Design. <i>Wireless Networks</i> , <b>2020</b> , 53-75	0.6	
141	Link-Aware Reliable Beaconing Scheme Design. <i>Wireless Networks</i> , <b>2020</b> , 101-127	0.6	
140	Vehicular Networking Techniques for Road-Safety Applications. <i>Wireless Networks</i> , <b>2020</b> , 11-23	0.6	
139	Safety-Aware and Distributed Beacon Congestion Control. <i>Wireless Networks</i> , <b>2020</b> , 129-157	0.6	2
138	Characterizing Urban V2V Link Communications. <i>Wireless Networks</i> , <b>2020</b> , 77-99	0.6	1
137	I3 <b>2019</b> , 3, 1-22		4
136	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. <i>IEEE/ACM Transactions on Networking</i> , <b>2019</b> , 27, 447-460	3.8	31
135	KeyListener: Inferring Keystrokes on QWERTY Keyboard of Touch Screen through Acoustic Signals <b>2019</b> ,		11
134	Adjusting Matching Algorithm to Adapt to Workload Fluctuations in Content-based Publish/Subscribe Systems <b>2019</b> ,		6
133	Differential privacy for publishing enterprise-scale WLAN traces. <i>Soft Computing</i> , <b>2019</b> , 23, 5667-5682	3.5	1
132	PhSIH <b>2019</b> ,		6
131	An Unsupervised Incremental Virtual Learning Method for Financial Fraud Detection <b>2019</b> ,		2

130	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> , <b>2018</b> , 29, 720-733	3.7	34
129	Leveraging Audio Signals for Early Recognition of Inattentive Driving with Smartphones. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 1553-1567	4.6	20
128	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 3586-3597	6.8	57
127	Leveraging Smartphones for Vehicle Lane-Level Localization on Highways. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 1894-1907	4.6	14
126	Evolutionary trust scheme of certificate game in mobile cloud computing. <i>Soft Computing</i> , <b>2018</b> , 22, 2245-2255	3.3	5
125	SteerTrack: Acoustic-Based Device-Free Steering Tracking Leveraging Smartphones <b>2018</b> ,		10
124	. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 4237-4249	10.7	26
123	VPad: Virtual Writing Tablet for Laptops Leveraging Acoustic Signals <b>2018</b> ,		4
122	A Markov Detection Tree-Based Centralized Scheme to Automatically Identify Malicious Webpages on Cloud Platforms. <i>IEEE Access</i> , <b>2018</b> , 6, 74025-74038	3.5	10
121	Intelligent Context-Aware Communication Paradigm Design for IoVs Based on Data Analytics. <i>IEEE Network</i> , <b>2018</b> , 32, 74-82	11.4	28
120	LipPass: Lip Reading-based User Authentication on Smartphones Leveraging Acoustic Signals <b>2018</b> ,		29
119	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 10590-10602	6.8	59
118	A dynamic multiple-keys game-based industrial wireless sensor-cloud authentication scheme. <i>Journal of Supercomputing</i> , <b>2018</b> , 74, 6794-6814	2.5	4
117	Cost-efficient VM configuration algorithm in the cloud using mix scaling strategy <b>2017</b> ,		2
116	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. <i>IEEE Transactions on Mobile Computing</i> , <b>2017</b> , 16, 2198-2212	4.6	60
115	Evolutionary game-based cooperative strategy for effective capacity of multiple-input-multiple-output communications. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771773796	1.7	1
114	ER: Early recognition of inattentive driving leveraging audio devices on smartphones <b>2017</b> ,		15
113	SenSpeed: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments. <i>IEEE Transactions on Mobile Computing</i> , <b>2016</b> , 15, 202-216	4.6	56

112	L3: Sensing driving conditions for vehicle lane-level localization on highways <b>2016</b> ,		17
111	An Empirical Study on Urban IEEE 802.11p Vehicle-to-Vehicle Communication <b>2016</b> ,		24
110	Sensing Human-Screen Interaction for Energy-Efficient Frame Rate Adaptation on Smartphones. <i>IEEE Transactions on Mobile Computing</i> , <b>2015</b> , 14, 1698-1711	4.6	26
109	Customer satisfaction-aware scheduling for utility maximization on geo-distributed data centers. <i>Concurrency Computation Practice and Experience</i> , <b>2015</b> , 27, 1334-1354	1.4	3
108	H-Tree: An Efficient Index Structure for Event Matching in Content-Based Publish/Subscribe Systems. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 1622-1632	3.7	14
107	DiSen: Ranging Indoor Casual Walks with Smartphones <b>2015</b> ,		2
106	D3: Abnormal driving behaviors detection and identification using smartphone sensors <b>2015</b> ,		31
105	SECO: Secure and scalable data collaboration services in cloud computing. <i>Computers and Security</i> , <b>2015</b> , 50, 91-105	4.9	15
104	Achieving an effective, scalable and privacy-preserving data sharing service in cloud computing. <i>Computers and Security</i> , <b>2014</b> , 42, 151-164	4.9	61
103	SenSpeed: Sensing driving conditions to estimate vehicle speed in urban environments <b>2014</b> ,		52
102	SEED: solar energy-aware efficient scheduling for data centers. <i>Concurrency Computation Practice and Experience</i> , <b>2014</b> , 26, 2811-2835	1.4	2
101	On efficient replication-based routing in vehicular networks. <i>Journal of High Speed Networks</i> , <b>2014</b> , 20, 29-40	0.4	
100	CPU load prediction for cloud environment based on a dynamic ensemble model. <i>Software - Practice and Experience</i> , <b>2014</b> , 44, 793-804	2.5	23
99	An overview of using directional antennas in wireless networks. <i>International Journal of Communication Systems</i> , <b>2013</b> , 26, 413-448	1.7	74
98	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2013</b> , 24, 1390-1400	3.7	18
97	A Social-Aware Service Recommendation Approach for Mashup Creation <b>2013</b> ,		49
96	Energy-efficient scheduling on multi-FPGA reconfigurable systems. <i>Microprocessors and Microsystems</i> , <b>2013</b> , 37, 590-600	2.4	16
95	S3: Characterizing Sociality for User-Friendly Steady Load Balancing in Enterprise WLANs <b>2013</b> ,		5

94	Information Extraction for Computer Science Academic Rankings System <b>2013</b> ,		2
93	Achieving secure and efficient data collaboration in cloud computing <b>2013</b> ,		3
92	A Social-Aware Service Recommendation Approach for Mashup Creation. <i>International Journal of Web Services Research</i> , <b>2013</b> , 10, 53-72	0.8	9
91	Toward Secure Multikeyword Top-k Retrieval over Encrypted Cloud Data. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2013</b> , 10, 239-250	3.9	87
90	Experimental Work on VANET <b>2013</b> , 577-598		
89	Hybrid CPU Management for Adapting to the Diversity of Virtual Machines. <i>IEEE Transactions on Computers</i> , <b>2013</b> , 62, 1332-1344	2.5	3
88	A Compressive Sensing Approach to Urban Traffic Estimation with Probe Vehicles. <i>IEEE Transactions on Mobile Computing</i> , <b>2013</b> , 12, 2289-2302	4.6	115
87	P2E: Privacy-preserving and effective cloud data sharing service <b>2013</b> ,		2
86	An event view specification approach for Supporting Service process collaboration. <i>Concurrency Computation Practice and Experience</i> , <b>2013</b> , 25, 1943-1966	1.4	0
85	Context-adaptive and energy-efficient mobile transaction management in pervasive environments. <i>Journal of Supercomputing</i> , <b>2012</b> , 60, 62-86	2.5	1
84	On efficient neighbor sensing in vehicular networks. <i>Computer Communications</i> , <b>2012</b> , 35, 1639-1648	5.1	5
83	Optimal Relay Placement for Indoor Sensor Networks <b>2012</b> ,		4
82	Compressive Sensing Approach to Urban Traffic Sensing <b>2011</b> ,		75
81	Impact of Traffic Influxes: Revealing Exponential Intercontact Time in Urban VANETs. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2011</b> , 22, 1258-1266	3.7	67
80	A Distributed Algorithm for Web Service Composition Based on Service Agent Model. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2011</b> , 22, 2008-2021	3.7	29
79	Towards Context-Aware Ubiquitous Transaction Processing: A Model and Algorithm <b>2011</b> ,		1
78	A Distributed Application Component Placement Approach for Cloud Computing Environment <b>2011</b> ,		2
77	Private Cloud System Based on BOINC with Support for Parallel and Distributed Simulation <b>2011</b> ,		3

76	META: A Mobility Model of METropolitan TAxis Extracted from GPS Traces <b>2010</b> ,		17
75	Reliable Anchor-Based Sensor Localization in Irregular Areas. <i>IEEE Transactions on Mobile Computing</i> , <b>2010</b> , 9, 60-72	4.6	72
74	Security Challenges on the Clone, Snapshot, Migration and Rollback of Xen Based Computing Environments <b>2010</b> ,		1
73	Exploring the hidden connectivity in urban vehicular networks <b>2010</b> ,		11
72	Spatial continuity incorporated multi-attribute fuzzy clustering algorithm for blood vessels segmentation. <i>Science China Information Sciences</i> , <b>2010</b> , 53, 752-759	3.4	4
71	A dynamically self-configurable service process engine. <i>World Wide Web</i> , <b>2010</b> , 13, 475-495	2.9	2
70	On Reducing Broadcast Transmission Cost and Redundancy in Ad Hoc Wireless Networks Using Directional Antennas. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 1433-1442	6.8	10
69	Design and Implementation of a Hybrid Channel-Assignment Protocol for a Multi-Interface Wireless Mesh Network. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 2986-2997	6.8	8
68	VStore: Towards Cooperative Storage in Vehicular Sensor Networks for Mobile Surveillance <b>2009</b> ,		1
67	ANTS: Efficient Vehicle Locating Based on Ant Search in ShanghaiGrid. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 4088-4097	6.8	12
66	A weighted interference estimation scheme for interface-switching wireless mesh networks. <i>Wireless Communications and Mobile Computing</i> , <b>2009</b> , 9, 773-784	1.9	2
65	Performance Evaluation of Vehicle-Based Mobile Sensor Networks for Traffic Monitoring. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 1647-1653	6.8	115
64	A Trust-Based Detecting Mechanism against Profile Injection Attacks in Recommender Systems <b>2009</b> ,		4
63	A Distributed Agent Coalition Algorithm for Web Service Composition <b>2009</b> ,		4
62	HERO: Online Real-Time Vehicle Tracking. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2009</b> , 20, 740-752	3.7	25
61	Ant Algorithm with Execution Quality Based Prediction in Grid Scheduling <b>2009</b> ,		1
60	An Active Trusted Model for Virtual Machine Systems <b>2009</b> ,		1
59	A Collaborative Filtering Recommendation Model Using Polynomial Regression Approach <b>2009</b> ,		2

58	LICP: A look-ahead intersection control policy with intelligent vehicles <b>2009</b> ,		1
57	Practical location-based routing in vehicular ad hoc networks <b>2009</b> ,		2
56	Transaction Management for Reliable Grid Applications <b>2009</b> ,		10
55	Energy Efficient Target-Oriented Scheduling in Directional Sensor Networks. <i>IEEE Transactions on Computers</i> , <b>2009</b> , 58, 1259-1274	2.5	94
54	Performance Evaluation of Vehicular DTN Routing under Realistic Mobility Models <b>2008</b> ,		25
53	ITIS: Intelligent Traffic Information Service in ShanghaiGrid <b>2008</b> ,		1
52	Traffic Data Processing in Vehicular Sensor Networks <b>2008</b> ,		1
51	Improving Keyphrase Extraction Using Wikipedia Semantics <b>2008</b> ,		3
50	Efficient Data Suppression for Wireless Sensor Networks <b>2008</b> ,		3
49	Scalable and Secure Routing for Large-Scale Sensor Networks <b>2008</b> ,		3
48	A QoS-Aware and Fault-Tolerant Workflow Composition for Grid <b>2008</b> ,		4
47	Free-Riding on BitTorrent-Like Peer-to-Peer File Sharing Systems: Modeling Analysis and Improvement. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2008</b> , 19, 954-966	3.7	18
46	DTN Routing in Vehicular Sensor Networks <b>2008</b> ,		32
45	A Resource Scheduling Strategy for Intrusion Detection on Multi-core Platform <b>2008</b> ,		1
44	A BLP-Based Access Control Mechanism for the Virtual Machine System <b>2008</b> ,		3
43	Data Aggregation with Multiple Spanning Trees in Wireless Sensor Networks <b>2008</b> ,		5
42	On Reducing Broadcast Transmission Cost and Redundancy in Ad Hoc Wireless Networks Using Directional Antennas <b>2008</b> ,		5
41	Towards Context-Aware Workflow Management for Ubiquitous Computing <b>2008</b> ,		24

40	Method of using BDI agents to implement service-oriented workflow mapping in AGWMS. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2008</b> , 23, 171-195	1	1
39	CNP-based Implementation of Service-oriented Workflow Mapping in SHGWMS. <i>World Wide Web</i> , <b>2008</b> , 11, 199-226	2.9	2
38	A Passive Geographical Routing Protocol in VANET <b>2008</b> ,		3
37	An Interference-Aware Busy Tone Based MAC Protocol. <i>IEEE Vehicular Technology Conference</i> , <b>2007</b> ,	0.1	1
36	Constructing Incentive Oriented Overlay on Mobile Peer-to-Peer Networks <b>2007</b> ,		2
35	Modeling Analysis and Improvement for Free-Riding on BitTorrent-like File Sharing Systems <b>2007</b> ,		3
34	FFT-DMAC: A Tone Based MAC Protocol with Directional Antennas <b>2007</b> ,		6
33	Using genetic algorithm to implement cost-driven web service selection. <i>Multiagent and Grid Systems</i> , <b>2007</b> , 3, 9-17	0.5	11
32	Grid resource management based on economic mechanisms. <i>Journal of Supercomputing</i> , <b>2007</b> , 42, 181-199		4
31	Optimization of Accurate Top-k Query in Sensor Networks with Cached Data <b>2007</b> ,		3
30	Joint Topology Control and Routing in IEEE 802.11-Based Multiradio Multichannel Mesh Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 3123-3136	6.8	36
29	A Distance-Based Directional Broadcast Protocol for Urban Vehicular Ad Hoc Network <b>2007</b> ,		53
28	A transactional grid workflow service for ShanghaiGrid. <i>International Journal of Web and Grid Services</i> , <b>2007</b> , 3, 424	1.4	1
27	Scan-Based Movement-Assisted Sensor Deployment Methods in Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2007</b> , 18, 1108-1121	3.7	92
26	Performance Evaluation of SUVnet With Real-Time Traffic Data. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 3381-3396	6.8	97
25	Cover Set Problem in Directional Sensor Networks <b>2007</b> ,		24
24	Goal-Driven Semantic Description and Query for Grid Workflow <b>2007</b> ,		3
23	ShanghaiGrid: an Information Service Grid. <i>Concurrency Computation Practice and Experience</i> , <b>2006</b> , 18, 111-135	1.4	19



22	Membrane Calculus: a formal method for Grid transactions. <i>Concurrency Computation Practice and Experience</i> , <b>2006</b> , 18, 1799-1809	1.4	2
21	A Multiobjective Resources Scheduling Approach Based on Genetic Algorithms in Grid Environment <b>2006</b> ,		20
20	Web Resource Monitoring Based on Common Information Model <b>2006</b> ,		3
19	An Interference Graph Based MAC Protocol for Ad Hoc Wireless Networks <b>2006</b> ,		2
18	DWSDM: A Web Services Discovery Mechanism Based on a Distributed Hash Table <b>2006</b> ,		3
17	Portlet-based Portal Design for Grid Systems <b>2006</b> ,		1
16	Combining Wireless Sensor Network with Grid for Intelligent City Traffic. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 260-269	0.9	
15	Towards Building Intelligent Transportation Information Service System on Grid. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 632-642	0.9	1
14	Radio Frequency Identification (RFID) Based Reliable Applications for Enterprise Grid. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 516-524	0.9	
13	An ECA Rules Based Middleware Architecture for Wireless Sensor Networks <b>2005</b> ,		3
12	An economic-based resource management framework in the grid context <b>2005</b> ,		3
11	ShanghaiGrid as an information service grid: an overview <b>2005</b> ,		1
10	A semantic-based architecture for sensor networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , <b>2005</b> , 60, 928-943	2	2
9	Modeling response time of SOAP over Http <b>2005</b> ,		4
8	Grid Computing in China. <i>Journal of Grid Computing</i> , <b>2004</b> , 2, 193-206	4.2	13
7	Real-time transaction processing for autonomic Grid applications. <i>Engineering Applications of Artificial Intelligence</i> , <b>2004</b> , 17, 799-807	7.2	22
6	A Transaction Model for Grid Computing. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 382-386	0.9	6
5	Nondeterministic temporal relations in multimedia data. <i>Journal of Computer Science and Technology</i> , <b>1997</b> , 12, 244-251	1.7	

4	PChord: improvement on chord to achieve better routing efficiency by exploiting proximity	1
3	Multispectral MR images segmentation using SOM network	2
2	A modified fuzzy c-means algorithm for segmentation of MRI	4
1	A geography-free routing protocol for wireless sensor networks	5