Linghe Kong

List of Publications by Year
in descending order

		331670	189892
98 papers	3,341 citations	21 h-index	50 g-index
98 all docs	98 docs citations	98 times ranked	3621 citing authors

#	Article	IF	Citations
1	Detecting Engine Anomalies Using Batteries. IEEE Transactions on Mobile Computing, 2023, 22, 2069-2083.	5.8	1
2	Embracing Channel Estimation in Multi-Packet Reception of ZigBee. IEEE Transactions on Mobile Computing, 2023, 22, 2693-2708.	5.8	1
3	Deep Reinforcement Learning Based Approach for Online Service Placement and Computation Resource Allocation in Edge Computing. IEEE Transactions on Mobile Computing, 2023, 22, 3870-3881.	5.8	12
4	Revealing the true navigability of the Northern Sea Route from ice conditions and weather observations. Maritime Policy and Management, 2023, 50, 924-940.	3.8	3
5	Learning From FM Communications: Toward Accurate, Efficient, All-Terrain Vehicle Localization. IEEE/ACM Transactions on Networking, 2023, 31, 42-57.	3.8	4
6	Collision-Free Dynamic Convergecast in Low-Duty-Cycle Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2022, 21, 1665-1680.	9.2	3
7	An energy‐efficiency‐adaptive clustering formation mechanism for the wireless sensor networks. IET Communications, 2022, 16, 255-265.	2.2	3
8	WheelLoc: Practical and Accurate Localization for Wheeled Mobile Targets via Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2219-2232.	14.0	1
9	PV-TSC: Learning to Control Traffic Signals for Pedestrian and Vehicle Traffic in 6G Era. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	3
10	DeFLoc: Deep Learning Assisted Indoor Vehicle Localization Atop FM Fingerprint Map. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19795-19806.	8.0	5
11	Push the Limit of WiFi-based User Authentication towards Undefined Gestures. , 2022, , .		3
12	AISChain: Blockchain-Based AIS Data Platform With Dynamic Bloom Filter Tree. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	0
13	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. Computer Journal, 2021, 64, 1814-1831.	2.4	3
14	Light-weight AI and IoT collaboration for surveillance video pre-processing. Journal of Systems Architecture, 2021, 114, 101934.	4.3	15
15	An Indirect Eavesdropping Attack of Keystrokes on Touch Screen through Acoustic Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 337-351.	5.8	83
16	Dynamical Control Domain Division for Software-Defined Satellite-Ground Integrated Vehicular Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2732-2741.	6.4	4
17	Spectrum Sharing for 5G/6G URLLC: Research Frontiers and Standards. IEEE Communications Standards Magazine, 2021, 5, 120-125.	4.9	30
18	Compressed Imaging Reconstruction with Sparse Random Projection. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-25.	4.3	6

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19	Analysis of communication reliability in NarrowBand‑IoT oriented wireless sensor networks. IET Communications, 2021, 15, 33-42.	2.2	0
20	Federated Tensor Mining for Secure Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 2144-2153.	11.3	38
21	Benefits of Short-Distance Walking and Fast-Route Scheduling in Public Vehicle Service. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3706-3717.	8.0	3
22	Distributed Feature Selection for Big Data Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2020, 28, 846-857.	9.8	34
23	Blockchain-Based Mobile Crowd Sensing in Industrial Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 6553-6563.	11.3	68
24	Crowdsensing-Based Cross-Operator Switch in Rail Transit Systems. IEEE Transactions on Communications, 2020, 68, 7938-7947.	7.8	16
25	Online Concurrent Transmissions at LoRa Gateway. , 2020, , .		32
26	MagPrint: Deep Learning Based User Fingerprinting Using Electromagnetic Signals. , 2020, , .		8
27	Adaptive Forwarding With Probabilistic Delay Guarantee in Low-Duty-Cycle WSNs. IEEE Transactions on Wireless Communications, 2020, 19, 4775-4792.	9.2	9
28	Millimeter-Wave Communication for Internet of Vehicles: Status, Challenges, and Perspectives. IEEE Internet of Things Journal, 2020, 7, 8525-8546.	8.7	124
29	Reference Waveforms Forward Concurrent Transmissions in ZigBee Communications. IEEE/ACM Transactions on Networking, 2020, 28, 1629-1642.	3.8	4
30	Shearlet Enhanced Snapshot Compressive Imaging. IEEE Transactions on Image Processing, 2020, 29, 6466-6481.	9.8	20
31	mmHandover. , 2019, , .		5
32	Litedge. , 2019, , .		4
33	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. IEEE/ACM Transactions on Networking, 2019, 27, 447-460.	3.8	66
34	Enhancing data delivery in vehicular networks using dual-radio architecture. CCF Transactions on Networking, 2019, 1, 52-64.	1.1	1
35	Multi-Rate Selection in ZigBee. IEEE/ACM Transactions on Networking, 2019, 27, 1055-1068.	3.8	4
36	Heterogeneous slot scheduling for real-time industrial wireless sensor networks. Computer Networks, 2019, 157, 68-77.	5.1	3

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37	PPM: Preamble and Postamble-Based Multi-Packet Reception for Green ZigBee Communication. IEEE Transactions on Green Communications and Networking, 2019, 3, 817-827.	5.5	4
38	Data-Oriented Mobile Crowdsensing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 2849-2885.	39.4	113
39	Towards Secure Industrial IoT: Blockchain System With Credit-Based Consensus Mechanism. IEEE Transactions on Industrial Informatics, 2019, 15, 3680-3689.	11.3	394
40	Mobile Sampling Strategy for Environment Information Reconstruction from View of Cloud. , 2019, , .		0
41	Distributed Fuzzy Rough Set for Big Data Analysis in Cloud Computing. , 2019, , .		3
42	GANemotion: Increase Vitality of Characters in Videos by Generative Adversary Networks. , 2019, , .		1
43	reZig: Decompose a Collision via Reference Waveform in ZigBee. , 2019, , .		1
44	Cloud based Sparse Random Projection for Compressed Imaging. , 2019, , .		0
45	mLoRa: A Multi-Packet Reception Protocol in LoRa networks. , 2019, , .		64
46	Quality of Service Aware Routing Protocol in Software-Defined Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 2817-2828.	8.7	34
47	Outlier Discrimination and Correction in Intelligent Transportation Systems. , 2019, , 203-215.		1
48	Accelerate the classification statistics in RFID systems. Theoretical Computer Science, 2019, 788, 39-52.	0.9	7
49	Rate Adaptive Broadcast in Internet of Things. Communications in Computer and Information Science, 2019, , 61-75.	0.5	0
50	Industrial IoT Fog Node Adaptation in Complex Network Environment. , 2019, , .		0
51	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. Computer Networks, 2018, 134, 66-77.	5.1	78
52	Improving Resource Utilization via Virtual Machine Placement in Data Center Networks. Mobile Networks and Applications, 2018, 23, 227-238.	3.3	21
53	Quality-Based User Recruitment in Mobile CrowdSensing. , 2018, , .		4
54	PPM: Preamble and Postamble Based Multi-Packet Reception for Green ZigBee Communication. , 2018, , .		1

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55	Co2-Robot: A Collaborative Communication Protocol for Swarm Robots. , 2018, , .		1
56	Shifter: A Consistent Multicast Routing Update Scheme in Software-Defined Networks. , 2018, , .		4
57	Node-Identification-Based Secure Time Synchronization in Industrial Wireless Sensor Networks. Sensors, 2018, 18, 2718.	3.8	11
58	LAB: Lightweight Adaptive Broadcast Control in DSRC Vehicular Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	4
59	On-Demand Mobile Data Collection in Cyber-Physical Systems. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	5
60	Trust-aware routing protocol for mobile crowdsensing environments. , 2018, , .		4
61	Concurrent Transmission Aware Routing in Wireless Networks. IEEE Transactions on Communications, 2018, 66, 6275-6286.	7.8	8
62	I(TS, CS): Detecting Faulty Location Data in Mobile Crowdsensing. , 2018, , .		15
63	Task Allocation in Mobile Crowd Sensing: State-of-the-Art and Future Opportunities. IEEE Internet of Things Journal, 2018, 5, 3747-3757.	8.7	109
64	Millimeter Wave Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1616-1653.	39.4	356
65	Millimeter-Wave Wireless Communications for IoT-Cloud Supported Autonomous Vehicles: Overview, Design, and Challenges. , 2017, 55, 62-68.		190
66	Joint adaptation framework in mobile ad hoc networks: A control theory perspective. Neurocomputing, 2017, 270, 66-74.	5.9	1
67	AdaSharing: Adaptive Data Sharing in Collaborative Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 9569-9579.	7.9	12
68	Sustainable Incentive Mechanisms for Mobile Crowdsensing: Part 1. , 2017, 55, 60-61.		6
69	A Hierarchical Data Transmission Framework for Industrial Wireless Sensor and Actuator Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 2019-2029.	11.3	36
70	Reliability and Temporality Optimization for Multiple Coexisting WirelessHART Networks in Industrial Environments. IEEE Transactions on Industrial Electronics, 2017, 64, 6591-6602.	7.9	38
71	Compressive sensing based data quality improvement for crowd-sensing applications. Journal of Network and Computer Applications, 2017, 77, 123-134.	9.1	35
72	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 2198-2212.	5.8	106

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73	Content-based deep communication control for networked control system. Telecommunication Systems, 2017, 65, 155-168.	2.5	8
74	MAGIK: An efficient key extraction mechanism based on dynamic geomagnetic field. , 2017, , .		6
75	Sustainable Incentive Mechanisms for Mobile Crowdsensing: Part 2. , 2017, 55, 118-119.		1
76	QoE-aware optimization for SVC-based adaptive streaming in D2D communications. , 2017, , .		2
77	Scheduling for Emergency Tasks in Industrial Wireless Sensor Networks. Sensors, 2017, 17, 1674.	3.8	10
78	OR-Play: An Optimal Relay Placement Scheme for High-Quality Wireless Network Services. , 2016, , .		2
79	Auc2Reserve: A Differentially Private Auction for Electric Vehicle Fast Charging Reservation (Invited) Tj ETQq1 1 0.784314 rgBT /Overl		12
80	Embracing big data with compressive sensing: a green approach in industrial wireless networks. , 2016, 54, 53-59.		52
81	How cars talk louder, clearer and fairer: Optimizing the communication performance of connected vehicles via online synchronous control. , 2016, , .		7
82	Adaptive Barrier Coverage Using Software Defined Sensor Networks. IEEE Sensors Journal, 2016, 16, 7364-7372.	4.7	19
83	ICP: Instantaneous clustering protocol for wireless sensor networks. Computer Networks, 2016, 101, 144-157.	5.1	26
84	A Public Vehicle System with Multiple Origin-Destination Pairs on Traffic Networks. , 2015, , .		7
85	Deco: False data detection and correction framework for participatory sensing. , 2015, , .		11
86	Data preference matters: A new perspective of safety data dissemination in vehicular ad hoc networks. , 2015, , .		28
87	Evaluating the On-Demand Mobile Charging in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2015, 14, 1861-1875.	5.8	196
88	<italic>CDC</italic>: Compressive Data Collection for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2188-2197.	5.6	227
89	Privacy-Preserving Compressive Sensing for Crowdsensing Based Trajectory Recovery. , 2015, , .		59
90	mZig. , 2015, , .		52

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91	Data Loss and Reconstruction in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2818-2828.	5.6	109
92	Data loss and reconstruction in sensor networks. , 2013, , .		146
93	Mobility increases the surface coverage of distributed sensor networks. Computer Networks, 2013, 57, 2348-2363.	5.1	21
94	Multiple attributes-based data recovery in wireless sensor networks. , 2013, , .		5
95	Traffic Aware Routing in urban vehicular networks. , 2013, , .		4
96	Optimizing the Spatio-temporal Distribution of Cyber-Physical Systems for Environment Abstraction. , 2010, , .		36
97	LICP: A look-ahead intersection control policy with intelligent vehicles. , 2009, , .		8
98	A neural network approach for wireless spectrum anomalyÂdetection in 5G-unlicensed network. CCF Transactions on Pervasive Computing and Interaction, 0, , 1.	2.6	1