

Linghe Kong

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,341
citations

331670

21
h-index

189892

50
g-index

98
all docs

98
docs citations

98
times ranked

3621
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Secure Industrial IoT: Blockchain System With Credit-Based Consensus Mechanism. IEEE Transactions on Industrial Informatics, 2019, 15, 3680-3689.	11.3	394
2	Millimeter Wave Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1616-1653.	39.4	356
3	<italic>CDC</italic>: Compressive Data Collection for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2188-2197.	5.6	227
4	Evaluating the On-Demand Mobile Charging in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2015, 14, 1861-1875.	5.8	196
5	Millimeter-Wave Wireless Communications for IoT-Cloud Supported Autonomous Vehicles: Overview, Design, and Challenges. , 2017, 55, 62-68.		190
6	Data loss and reconstruction in sensor networks. , 2013, , .		146
7	Millimeter-Wave Communication for Internet of Vehicles: Status, Challenges, and Perspectives. IEEE Internet of Things Journal, 2020, 7, 8525-8546.	8.7	124
8	Data-Oriented Mobile Crowdsensing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 2849-2885.	39.4	113
9	Data Loss and Reconstruction in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2818-2828.	5.6	109
10	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
11	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 2198-2212.	5.8	106
12	An Indirect Eavesdropping Attack of Keystrokes on Touch Screen through Acoustic Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 337-351.	5.8	83
13	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. Computer Networks, 2018, 134, 66-77.	5.1	78
14	Blockchain-Based Mobile Crowd Sensing in Industrial Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 6553-6563.	11.3	68
15	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. IEEE/ACM Transactions on Networking, 2019, 27, 447-460.	3.8	66
16	mLoRa: A Multi-Packet Reception Protocol in LoRa networks. , 2019, , .		64
17	Privacy-Preserving Compressive Sensing for Crowdsensing Based Trajectory Recovery. , 2015, , .		59
18	Embracing big data with compressive sensing: a green approach in industrial wireless networks. , 2016, 54, 53-59.		52

#	ARTICLE	IF	CITATIONS
19	mZig. , 2015, , .		52
20	Reliability and Temporality Optimization for Multiple Coexisting WirelessHART Networks in Industrial Environments. IEEE Transactions on Industrial Electronics, 2017, 64, 6591-6602.	7.9	38
21	Federated Tensor Mining for Secure Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 2144-2153.	11.3	38
22	Optimizing the Spatio-temporal Distribution of Cyber-Physical Systems for Environment Abstraction. , 2010, , .		36
23	A Hierarchical Data Transmission Framework for Industrial Wireless Sensor and Actuator Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 2019-2029.	11.3	36
24	Compressive sensing based data quality improvement for crowd-sensing applications. Journal of Network and Computer Applications, 2017, 77, 123-134.	9.1	35
25	Quality of Service Aware Routing Protocol in Software-Defined Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 2817-2828.	8.7	34
26	Distributed Feature Selection for Big Data Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2020, 28, 846-857.	9.8	34
27	Online Concurrent Transmissions at LoRa Gateway. , 2020, , .		32
28	Spectrum Sharing for 5G/6G URLLC: Research Frontiers and Standards. IEEE Communications Standards Magazine, 2021, 5, 120-125.	4.9	30
29	Data preference matters: A new perspective of safety data dissemination in vehicular ad hoc networks. , 2015, , .		28
30	ICP: Instantaneous clustering protocol for wireless sensor networks. Computer Networks, 2016, 101, 144-157.	5.1	26
31	Mobility increases the surface coverage of distributed sensor networks. Computer Networks, 2013, 57, 2348-2363.	5.1	21
32	Improving Resource Utilization via Virtual Machine Placement in Data Center Networks. Mobile Networks and Applications, 2018, 23, 227-238.	3.3	21
33	Shearlet Enhanced Snapshot Compressive Imaging. IEEE Transactions on Image Processing, 2020, 29, 6466-6481.	9.8	20
34	Adaptive Barrier Coverage Using Software Defined Sensor Networks. IEEE Sensors Journal, 2016, 16, 7364-7372.	4.7	19
35	Crowdsensing-Based Cross-Operator Switch in Rail Transit Systems. IEEE Transactions on Communications, 2020, 68, 7938-7947.	7.8	16
36	I(TS, CS): Detecting Faulty Location Data in Mobile Crowdsensing. , 2018, , .		15

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37	Light-weight AI and IoT collaboration for surveillance video pre-processing. Journal of Systems Architecture, 2021, 114, 101934.	4.3	15
38	Auc2Reserve: A Differentially Private Auction for Electric Vehicle Fast Charging Reservation (Invited) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		12
39	AdaSharing: Adaptive Data Sharing in Collaborative Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 9569-9579.	7.9	12
40	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
41	Deco: False data detection and correction framework for participatory sensing. , 2015, , .		11
42	Node-Identification-Based Secure Time Synchronization in Industrial Wireless Sensor Networks. Sensors, 2018, 18, 2718.	3.8	11
43	Scheduling for Emergency Tasks in Industrial Wireless Sensor Networks. Sensors, 2017, 17, 1674.	3.8	10
44	Adaptive Forwarding With Probabilistic Delay Guarantee in Low-Duty-Cycle WSNs. IEEE Transactions on Wireless Communications, 2020, 19, 4775-4792.	9.2	9
45	LICP: A look-ahead intersection control policy with intelligent vehicles. , 2009, , .		8
46	Content-based deep communication control for networked control system. Telecommunication Systems, 2017, 65, 155-168.	2.5	8
47	Concurrent Transmission Aware Routing in Wireless Networks. IEEE Transactions on Communications, 2018, 66, 6275-6286.	7.8	8
48	MagPrint: Deep Learning Based User Fingerprinting Using Electromagnetic Signals. , 2020, , .		8
49	A Public Vehicle System with Multiple Origin-Destination Pairs on Traffic Networks. , 2015, , .		7
50	How cars talk louder, clearer and fairer: Optimizing the communication performance of connected vehicles via online synchronous control. , 2016, , .		7
51	Accelerate the classification statistics in RFID systems. Theoretical Computer Science, 2019, 788, 39-52.	0.9	7
52	Sustainable Incentive Mechanisms for Mobile Crowdsensing: Part 1. , 2017, 55, 60-61.		6
53	MAGIK: An efficient key extraction mechanism based on dynamic geomagnetic field. , 2017, , .		6
54	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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55	Multiple attributes-based data recovery in wireless sensor networks. , 2013, , .		5
56	On-Demand Mobile Data Collection in Cyber-Physical Systems. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	5
57	mmHandover. , 2019, , .		5
58	DeFloc: Deep Learning Assisted Indoor Vehicle Localization Atop FM Fingerprint Map. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19795-19806.	8.0	5
59	Traffic Aware Routing in urban vehicular networks. , 2013, , .		4
60	Quality-Based User Recruitment in Mobile CrowdSensing. , 2018, , .		4
61	Shifter: A Consistent Multicast Routing Update Scheme in Software-Defined Networks. , 2018, , .		4
62	LAB: Lightweight Adaptive Broadcast Control in DSRC Vehicular Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	4
63	Trust-aware routing protocol for mobile crowdsensing environments. , 2018, , .		4
64	Litedge. , 2019, , .		4
65	Multi-Rate Selection in ZigBee. IEEE/ACM Transactions on Networking, 2019, 27, 1055-1068.	3.8	4
66	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
67	Reference Waveforms Forward Concurrent Transmissions in ZigBee Communications. IEEE/ACM Transactions on Networking, 2020, 28, 1629-1642.	3.8	4
68	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
69	Learning From FM Communications: Toward Accurate, Efficient, All-Terrain Vehicle Localization. IEEE/ACM Transactions on Networking, 2023, 31, 42-57.	3.8	4
70	Heterogeneous slot scheduling for real-time industrial wireless sensor networks. Computer Networks, 2019, 157, 68-77.	5.1	3
71	Distributed Fuzzy Rough Set for Big Data Analysis in Cloud Computing. , 2019, , .		3
72	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

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73	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. Computer Journal, 2021, 64, 1814-1831.	2.4	3
74	Collision-Free Dynamic Convergecast in Low-Duty-Cycle Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2022, 21, 1665-1680.	9.2	3
75	An energyâ€efficiencyâ€adaptive clustering formation mechanism for the wireless sensor networks. IET Communications, 2022, 16, 255-265.	2.2	3
76	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
77	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
78	Push the Limit of WiFi-based User Authentication towards Undefined Gestures. , 2022, , .		3
79	OR-Play: An Optimal Relay Placement Scheme for High-Quality Wireless Network Services. , 2016, , .		2
80	QoE-aware optimization for SVC-based adaptive streaming in D2D communications. , 2017, , .		2
81	Joint adaptation framework in mobile ad hoc networks: A control theory perspective. Neurocomputing, 2017, 270, 66-74.	5.9	1
82	Sustainable Incentive Mechanisms for Mobile Crowdsensing: Part 2. , 2017, 55, 118-119.		1
83	PPM: Preamble and Postamble Based Multi-Packet Reception for Green ZigBee Communication. , 2018, , .		1
84	Co2-Robot: A Collaborative Communication Protocol for Swarm Robots. , 2018, , .		1
85	Enhancing data delivery in vehicular networks using dual-radio architecture. CCF Transactions on Networking, 2019, 1, 52-64.	1.1	1
86	GANemotion: Increase Vitality of Characters in Videos by Generative Adversary Networks. , 2019, , .		1
87	reZig: Decompose a Collision via Reference Waveform in ZigBee. , 2019, , .		1
88	Outlier Discrimination and Correction in Intelligent Transportation Systems. , 2019, , 203-215.		1
89	Detecting Engine Anomalies Using Batteries. IEEE Transactions on Mobile Computing, 2023, 22, 2069-2083.	5.8	1
90	Embracing Channel Estimation in Multi-Packet Reception of ZigBee. IEEE Transactions on Mobile Computing, 2023, 22, 2693-2708.	5.8	1

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91	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
92	A neural network approach for wireless spectrum anomaly detection in 5G-unlicensed network. CCF Transactions on Pervasive Computing and Interaction, 0, , 1.	2.6	1
93	Mobile Sampling Strategy for Environment Information Reconstruction from View of Cloud. , 2019, , .		0
94	Cloud based Sparse Random Projection for Compressed Imaging. , 2019, , .		0
95	Rate Adaptive Broadcast in Internet of Things. Communications in Computer and Information Science, 2019, , 61-75.	0.5	0
96	Industrial IoT Fog Node Adaptation in Complex Network Environment. , 2019, , .		0
97	Analysis of communication reliability in NarrowBand IoT oriented wireless sensor networks. IET Communications, 2021, 15, 33-42.	2.2	0
98	AISChain: Blockchain-Based AIS Data Platform With Dynamic Bloom Filter Tree. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	0