Kijun Han

List of Publications by Year in descending order

70 papers	2,976 citations	257450 24 h-index	161849 54 g-index
71 all docs	71 docs citations	71 times ranked	3172 citing authors

#	Article	IF	Citations
1	Towards sustainable smart cities: A review of trends, architectures, components, and open challenges in smart cities. Sustainable Cities and Society, 2018, 38, 697-713.	10.4	1,020
2	Enhanced Network Anomaly Detection Based on Deep Neural Networks. IEEE Access, 2018, 6, 48231-48246.	4.2	297
3	Internet of Things Based Energy Aware Smart Home Control System. IEEE Access, 2016, 4, 7556-7566.	4.2	158
4	Internet of Things: A Comprehensive Review of Enabling Technologies, Architecture, and Challenges. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 205-220.	3.2	139
5	Semantic Interoperability in Heterogeneous IoT Infrastructure for Healthcare. Wireless Communications and Mobile Computing, 2017, 2017, 1-10.	1.2	126
6	Urban Planning and Smart City Decision Management Empowered by Real-Time Data Processing Using Big Data Analytics. Sensors, 2018, 18, 2994.	3.8	82
7	Analysis of Latency Performance of Bluetooth Low Energy (BLE) Networks. Sensors, 2015, 15, 59-78.	3.8	81
8	Cyber Threat Detection Based on Artificial Neural Networks Using Event Profiles. IEEE Access, 2019, 7, 165607-165626.	4.2	75
9	Integration of Big Data analytics embedded smart city architecture with RESTful web of things for efficient service provision and energy management. Future Generation Computer Systems, 2020, 107, 975-987.	7.5	68
10	A REST-based industrial web of things' framework for smart warehousing. Journal of Supercomputing, 2018, 74, 4419-4433.	3.6	62
11	IoT-based students interaction framework using attention-scoring assessment in eLearning. Future Generation Computer Systems, 2018, 79, 909-919.	7.5	62
12	A clustering based routing algorithm in IoT aware Wireless Mesh Networks. Sustainable Cities and Society, 2018, 40, 657-666.	10.4	60
13	Big Data Analytics Embedded Smart City Architecture for Performance Enhancement through Real-Time Data Processing and Decision-Making. Wireless Communications and Mobile Computing, 2017, 2017, 1-12.	1.2	51
14	Performance analysis of device discovery of Bluetooth Low Energy (BLE) networks. Computer Communications, 2016, 81, 72-85.	5.1	50
15	Smart city designing and planning based on big data analytics. Sustainable Cities and Society, 2017, 35, 271-279.	10.4	39
16	Topology Configuration and Multihop Routing Protocol for Bluetooth Low Energy Networks. IEEE Access, 2017, 5, 9587-9598.	4.2	36
17	A Web of Things-Based Emerging Sensor Network Architecture for Smart Control Systems. Sensors, 2017, 17, 332.	3.8	36
18	Load Balancing Integrated Least Slack Time-Based Appliance Scheduling for Smart Home Energy Management. Sensors, 2018, 18, 685.	3.8	36

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19	Mutation operator integrated ant colony optimization based domestic appliance scheduling for lucrative demand side management. Future Generation Computer Systems, 2019, 100, 557-568.	7.5	36
20	Designing Smart Control Systems Based on Internet of Things and Big Data Analytics. Wireless Personal Communications, 2018, 99, 1683-1697.	2.7	35
21	Rigorous Analysis and Evaluation of Specific Absorption Rate (SAR) for Mobile Multimedia Healthcare. IEEE Access, 2018, 6, 29602-29610.	4.2	34
22	A Methodology of Real-Time Data Fusion for Localized Big Data Analytics. IEEE Access, 2018, 6, 24510-24520.	4.2	33
23	An Optimized Network Selection and Handover Triggering Scheme for Heterogeneous Self-Organized Wireless Networks. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	29
24	Counter Measuring Conceivable Security Threats on Smart Healthcare Devices. IEEE Access, 2018, 6, 20722-20733.	4.2	27
25	Comparison of Spectral Efficiency Techniques in Device-to-Device Communication for 5G. IEEE Access, 2019, 7, 57440-57449.	4.2	22
26	Backoff scheme for crowded Bluetooth low energy networks. IET Communications, 2017, 11, 548-557.	2.2	21
27	Analysis of Factors Affecting Energy Aware Routing in Wireless Sensor Network. Wireless Communications and Mobile Computing, 2018, 2018, 1-21.	1.2	19
28	A discovery scheme based on carrier sensing in self-organizing Bluetooth Low Energy networks. Journal of Network and Computer Applications, 2016, 65, 72-83.	9.1	18
29	Deep Learning Entrusted to Fog Nodes (DLEFN) Based Smart Agriculture. Applied Sciences (Switzerland), 2020, 10, 1544.	2.5	18
30	Big Data Processing using Internet of Software Defined Things in Smart Cities. International Journal of Parallel Programming, 2020, 48, 178-191.	1.5	17
31	A Review of Handover Techniques in Wireless Ad hoc Networks Based on IEEE 802.21 Media Independent Handover Standard. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq1 1 0.784314 2gBT /Overlock 10	3.2	15
32	A Vertical Handover Management Scheme based on Decision Modelling in Heterogeneous Wireless Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 402-412.	3.2	15
33	A Multi-Objective Approach for Optimal Energy Management in Smart Home Using the Reinforcement Learning. Sensors, 2020, 20, 3450.	3.8	15
34	Industrial Internet of Things Based Efficient and Reliable Data Dissemination Solution for Vehicular Ad Hoc Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	14
35	A Survey of Context Aware Vertical Handover Management Schemes in Heterogeneous Wireless Networks. Wireless Personal Communications, 2015, 85, 2273-2293.	2.7	12
36	An Adaptive Parameter Setting Algorithm to Enhance Performance in Self-Organizing Bluetooth Low Energy Networks. Wireless Personal Communications, 2016, 87, 953-969.	2.7	11

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37	RESTful Web of Things for Ubiquitous Smart Home Energy Management. , 2020, , .		10
38	Intelligent Internet of Things gateway supporting heterogeneous energy data management and processing. Transactions on Emerging Telecommunications Technologies, 2020, , e3919.	3.9	9
39	Algorithmic implementation of deep learning layer assignment in edge computing based smart city environment. Computers and Electrical Engineering, 2021, 89, 106909.	4.8	9
40	Scheduling Sensor Duty Cycling Based on Event Detection Using Bi-Directional Long Short-Term Memory and Reinforcement Learning. Sensors, 2020, 20, 5498.	3.8	8
41	Are Self-Driving Vehicles Ready to Launch? An Insight into Steering Control in Autonomous Self-Driving Vehicles. Mathematical Problems in Engineering, 2021, 2021, 1-22.	1.1	8
42	Non-cooperative Spectrum Sensing in Context of Primary User Detection: A Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2017, 34, 188-200.	3.2	7
43	Intersection Routing Based on Fuzzy Multi-Factor Decision for VANETs. Applied Sciences (Switzerland), 2020, 10, 6613.	2.5	7
44	Development of Computer-Aided Semi-Automatic Diagnosis System for Chronic Post-Stroke Aphasia Classification with Temporal and Parietal Lesions: A Pilot Study. Applied Sciences (Switzerland), 2020, 10, 2984.	2.5	5
45	AdaptiveScan: The Fast Layer-2 Handoff for WLAN. , 2011, , .		4
46	A Zone-Based Self-Organized Handover Scheme for Heterogeneous Mobile and Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2014, 10, 379181.	2.2	4
47	Multicriteria-Based Location Privacy Preservation in Vehicular Ad Hoc Networks. Complexity, 2018, 2018, 1-12.	1.6	4
48	FIViz: Forensics Investigation through Visualization for Malware in Internet of Things. Sustainability, 2020, 12, 7262.	3.2	4
49	Channel Hopping Sequences for Rendezvous Establishment in Cognitive Radio Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 872780.	2.2	3
50	Costâ€•and comfortâ€•aware aggregated modified least slack timeâ€"based domestic power scheduling for residential communities. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3834.	3.9	3
51	A Watermarking Technique Based on File Page Objects for PDF. , 2019, , .		3
52	An Implementation of AODV Testbed with Multi-metrics. , 2011, , .		2
53	A Repeated Group Sequence Rendezvous Scheme for Cognitive Radio Networks. , 2012, , .		2
54	A channel interval adjustment scheme to improve RSU capacity in vehicular networks. IEICE Communications Express, 2012, 1, 107-112.	0.4	2

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55	An Asynchronous Channel Hopping Sequence for Rendezvous Establishment in Self Organized Cognitive Radio Networks. Wireless Personal Communications, 2015, 81, 649-659.	2.7	2
56	Ubiquitous RESTful Smart Home Energy Management System. , 2019, , .		2
57	Micro-electromechanical system based optimized steering angle estimation mechanism for customized self-driving vehicles. Measurement and Control, 2021, 54, 429-438.	1.8	2
58	A dynamic advertisement interval strategy in Bluetooth low energy networks. International Journal of Sensor Networks, 2018, 27, 52.	0.4	2
59	Movable Rendezvous Channel Selection for Distributed Cognitive Radio Networks. , 2012, , .		1
60	Modeling and analysis of performance based on Bluetooth Low Energy. , 2015, , .		1
61	An application dependent and sequential scanning scheme for vertical handover management in heterogeneous wireless networks. , 2015, , .		1
62	Maximum Power Plus RSSI Based Routing Protocol for Bluetooth Low Energy Ad Hoc Networks. Wireless Communications and Mobile Computing, 2017, 2017, 1-13.	1.2	1
63	A Survey of Enhanced Device Discovery Schemes in Bluetooth Low Energy Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2021, 38, 365-374.	3.2	1
64	Network Initialization for Wireless Distributed Beaconing Networks. , 2010, , .		0
65	An Implementation of AODV Routing Protocol with Multi-Metrics. , 2010, , .		0
66	GroupScan: Group-Based Fast Handoff Scheme for Wireless LAN. IEICE Transactions on Communications, 2011, E94-B, 2929-2932.	0.7	0
67	A Scheduling Scheme for Early Detection of Primary User in Cognitive Radio Networks. , 2012, , .		0
68	Making channel hopping sequences for self-organized mobile networks. , 2013, , .		0
69	Vehicular Adhoc Networks Protocol to Avoid Traffic Signal Delay. , 2020, , .		0
70	Self-Adjustable Rate Control for Congestion Avoidance in Wireless Mesh Networks. IEICE Transactions on Communications, 2014, E97.B, 2368-2377.	0.7	0