

Kai-Ten Feng

List of Publications by Year in descending order

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166
papers

1,534
citations

567281

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28
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167
all docs

167
docs citations

167
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	LMA: Location- and Mobility-Aware Medium-Access Control Protocols for Vehicular Ad Hoc Networks Using Directional Antennas. IEEE Transactions on Vehicular Technology, 2007, 56, 3324-3336.	6.3	199
2	A queueing-theoretical framework for QoS-enhanced spectrum management in cognitive radio networks. IEEE Wireless Communications, 2011, 18, 18-26.	9.0	79
3	Green transmission technologies for balancing the energy efficiency and spectrum efficiency trade-off. IEEE Communications Magazine, 2014, 52, 112-120.	6.1	58
4	Velocity-Assisted Predictive Mobility and Location-Aware Routing Protocols for Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 448-464.	6.3	50
5	Greedy Routing with Anti-Void Traversal for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2009, 8, 910-922.	5.8	41
6	GALE: An Enhanced Geometry-Assisted Location Estimation Algorithm for NLOS Environments. IEEE Transactions on Mobile Computing, 2008, 7, 199-213.	5.8	37
7	Wireless Location Tracking Algorithms for Environments with Insufficient Signal Sources. IEEE Transactions on Mobile Computing, 2009, 8, 1676-1689.	5.8	33
8	Femtocell Access Strategies in Heterogeneous Networks using a Game Theoretical Framework. IEEE Transactions on Wireless Communications, 2014, 13, 1208-1221.	9.2	30
9	Hybrid Location Estimation and Tracking System for Mobile Devices. , 0, , .		29
10	Statistical Control Approach for Sleep-Mode Operations in IEEE 802.16m Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 4453-4466.	6.3	28
11	A POMDP-Based Spectrum Handoff Protocol for Partially Observable Cognitive Radio Networks. , 2009, , .		25
12	Traffic-Based DRX Cycles Adjustment Scheme for 3GPP LTE Systems. , 2012, , .		24
13	Energy-efficient power allocation for distributed large-scale MIMO cloud radio access networks. , 2014, , .		23
14	Cooperative Self-Navigation in a Mixed LOS and NLOS Environment. IEEE Transactions on Mobile Computing, 2014, 13, 350-363.	5.8	23
15	Hybrid Network/Satellite-Based Location Estimation and Tracking Systems for Wireless Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 5174-5189.	6.3	21
16	Wireless Location Estimation With the Assistance of Virtual Base Stations. IEEE Transactions on Vehicular Technology, 2009, 58, 93-106.	6.3	20
17	An Efficient Geometry-Constrained Location Estimation Algorithm for NLOS Environments. , 0, , .		18
18	Frame-Aggregated Link Adaptation Protocol for Next Generation Wireless Local Area Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	18

#	ARTICLE	IF	CITATIONS
19	Map-Aware Indoor Area Estimation with Shortest Path Based on RSS Fingerprinting. , 2015, , .		18
20	Joint Beam and Subband Resource Allocation with QoS Requirement for Millimeter Wave MIMO Systems. , 2017, , .		18
21	Green Resource Allocation Schemes for Relay-Enhanced MIMO-OFDM Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4539-4554.	6.3	17
22	Three-dimensional greedy anti-void routing for wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 5796-5800.	9.2	16
23	Game Theoretical Model and Existence of Win-Win Situation for Femtocell Networks. , 2011, , .		16
24	Interactive Mobile Augmented Reality System for Image and Hand Motion Tracking. IEEE Transactions on Vehicular Technology, 2018, 67, 9995-10009.	6.3	15
25	Mobility-Aware Subband and Beam Resource Allocation Schemes for Millimeter Wave Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11893-11908.	6.3	15
26	Design and Implementation for Deep Learning Based Adjustable Beamforming Training for Millimeter Wave Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2413-2427.	6.3	15
27	Hybrid Unified Kalman Tracking Algorithms for Heterogeneous Wireless Location Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 702-715.	6.3	14
28	Novel Design and Analysis of Aggregated ARQ Protocols for IEEE 802.11n Networks. IEEE Transactions on Mobile Computing, 2013, 12, 556-570.	5.8	14
29	Automatic steering control of vehicle lateral motion with the effect of roll dynamics. , 1998, , .		13
30	Design of MAC-defined aggregated ARQ schemes for IEEE 802.11n networks. Wireless Networks, 2011, 17, 685-699.	3.0	13
31	POMDP-Based Cell Selection Schemes for Wireless Networks. IEEE Communications Letters, 2014, 18, 797-800.	4.1	13
32	Enhanced Distance and Location Estimation for Broadband Wireless Networks. IEEE Transactions on Mobile Computing, 2015, 14, 2257-2271.	5.8	13
33	Design and Analysis of Traffic-Based Discontinuous Reception Operations for LTE Systems. IEEE Transactions on Wireless Communications, 2017, 16, 8235-8249.	9.2	13
34	Refined Autoencoder-Based CSI Hidden Feature Extraction for Indoor Spot Localization. , 2018, , .		13
35	Joint Interference Cancellation and Resource Allocation for Full-Duplex Cloud Radio Access Networks. IEEE Transactions on Wireless Communications, 2019, 18, 3019-3033.	9.2	13
36	3D On-Demand Flying Mobile Communication for Millimeter-Wave Heterogeneous Networks. IEEE Network, 2020, 34, 198-204.	6.9	13

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37	Adaptive GPS Acquisition Technique in Weak Signal Environment. , 0, , .		12
38	GDOP-Assisted Location Estimation Algorithms in Wireless Location Systems. , 2008, , .		12
39	Geometry-Assisted Localization Algorithms for Wireless Networks. IEEE Transactions on Mobile Computing, 2013, 12, 774-789.	5.8	12
40	Stochastic spectrum handoff protocols for partially observable cognitive radio networks. Wireless Networks, 2014, 20, 1003-1022.	3.0	11
41	WiFi CSI-Based Device-free Multi-room Presence Detection using Conditional Recurrent Network. , 2021, , .		11
42	Greedy Anti-Void Routing Protocol for Wireless Sensor Networks. IEEE Communications Letters, 2007, 11, 562-564.	4.1	10
43	A Maximal Power-Conserving Scheduling Algorithm for Broadband Wireless Networks. , 2008, , .		10
44	Cognitive Radio Enabled Multi-Channel Access for Vehicular Communications. , 2010, , .		10
45	Analysis and Implementation for Traffic-Aware Channel Assignment and Contention Scheme in LoRa-Based IoT Networks. IEEE Internet of Things Journal, 2021, 8, 11368-11383.	8.7	10
46	Design and Analysis of Optimal Channel-Hopping Sequence for Cognitive Radio Networks. , 2010, , .		9
47	Cloud computing based mobile augmented reality interactive system. , 2014, , .		9
48	Performance analysis of greedy fast-shift block acknowledgement for high-throughput WLANs. Wireless Networks, 2014, 20, 2503-2519.	3.0	9
49	Enhanced Receiver Based on FEC Code Constraints for Uplink NOMA With Imperfect CSI. IEEE Transactions on Wireless Communications, 2019, 18, 4790-4802.	9.2	9
50	Look-ahead human-machine interface for assistance of manual vehicle steering. , 1999, , .		8
51	Enhanced Location Estimation with the Virtual Base Stations in Wireless Location Systems. , 0, , .		8
52	Performance Modeling of Power Saving Classes with Multiple Connections for Broadband Wireless Networks. , 2008, , .		8
53	Design and Analysis of Transmission Strategies in Channel-Hopping Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2012, 11, 1569-1584.	5.8	8
54	Channel-Aware Resource Allocation for Energy-Efficient Cloud Radio Access Networks Under Outage Specifications. IEEE Transactions on Wireless Communications, 2017, 16, 7389-7403.	9.2	8

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55	Device-Free Multiple Presence Detection Using CSI with Machine Learning Methods. , 2019, , .		8
56	Design and Analysis of Multi-User Association and Beam Training Schemes for Millimeter Wave Based WLANs. IEEE Transactions on Vehicular Technology, 2020, 69, 7458-7472.	6.3	8
57	On-Demand Routing-based Clustering Protocol for Mobile Ad Hoc Networks. , 2007, , .		7
58	Cross-layer routing for congestion control in wireless sensor networks. , 2008, , .		7
59	Performance analysis and comparison of sleep mode operation for IEEE 802.16m advanced broadband wireless networks. , 2010, , .		7
60	Prediction-based handover schemes for relay-enhanced LTE-A systems. , 2012, , .		7
61	Derivation of CRLB for linear least square estimator in wireless location systems. Wireless Networks, 2012, 18, 735-747.	3.0	7
62	Energy-efficient cell selection and resource allocation in LTE-A heterogeneous networks. , 2014, , .		7
63	Prioritized Optimal Channel Allocation Schemes for Multi-Channel Vehicular Networks. IEEE Transactions on Mobile Computing, 2014, , 1-1.	5.8	7
64	Learning-Based Beam Training Algorithms for IEEE802.11ad/ay Networks. , 2019, , .		7
65	Hybrid Energy Resource Allocation for Simultaneous Wireless Information and Power Transfer for Green Communications. IEEE Transactions on Green Communications and Networking, 2021, 5, 2121-2138.	5.5	7
66	A Predictive Movement Based Handover Algorithm for Broadband Wireless Networks. , 2008, , .		6
67	Efficient implementation of an energy-conserving multicast routing protocol for wireless multihop networks. , 2008, , .		6
68	GGRA: A Feasible Resource-Allocation Scheme by Optimization Technique for IEEE 802.16 Uplink Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 1393-1401.	6.3	6
69	Compressive sensing based location estimation using channel impulse response measurements. , 2014, , .		6
70	Statistical Distance Estimation Algorithms With RSS Measurements for Indoor LTE-A Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 1709-1722.	6.3	6
71	Novel Design on Multiple Channel Sensing for Partially Observable Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2260-2275.	5.8	6
72	Mobility-aware fast beam training scheme for IEEE 802.11ad/ay wireless systems. , 2018, , .		6

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73	Coordinated Multiple Access Point Multiuser Beamforming Training Protocol for Millimeter Wave WLANs. IEEE Transactions on Vehicular Technology, 2020, 69, 13875-13889.	6.3	6
74	Optimal Functional Split for Processing Sharing based CoMP for Mixed eMBB and uRLLC Traffic. , 2020, , .		6
75	Power-Controlled Hybrid Multicast Routing Protocol for Mobile Ad Hoc Networks. , 0, , .		5
76	WSNp1-3: Largest Forwarding Region Routing Protocol for Mobile Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
77	Frame-aggregated link adaptation algorithm for IEEE 802.11n networks. , 2009, , .		5
78	Hybrid TOA/TDOA based unified Kalman tracking algorithm for wireless networks. , 2010, , .		5
79	Performance Analysis of Block Acknowledgement Mechanisms for Next Generation Wireless Networks. , 2010, , .		5
80	Design and Analysis of Adaptive Receiver Transmission Protocols for Receiver Blocking Problem in Wireless Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2013, 12, 1651-1668.	5.8	5
81	Spatial Skeleton-Enhanced Location Tracking for Indoor Localization. , 2017, , .		5
82	Device-Free CSI-Based Wireless Localization for High Precision Drone Landing Applications. , 2019, , .		5
83	A Multi-Objective Model Checking for Transmission Policy Optimization in Hybrid Powered Small Cell Networks. IEEE Access, 2020, 8, 71339-71352.	4.2	5
84	An Unified Kalman Tracking Technique for Wireless Location Systems. , 2007, , .		4
85	Enhanced component carrier selection and power allocation in LTE-advanced downlink systems. , 2013, , .		4
86	Novel Design of Optimal Spectrum Sharing for Cognitive Radio-Enabled LTE-A Multi-Cell Networks. IEEE Transactions on Mobile Computing, 2016, 15, 2507-2521.	5.8	4
87	Comprehensive Performance Analysis and Sleep Window Determination for IEEE 802.16 Broadband Wireless Networks. IEEE Transactions on Mobile Computing, 2016, 15, 74-91.	5.8	4
88	Automatic Hybrid Access Point Deployment for Wireless Localization Systems. , 2017, , .		4
89	On Hybrid Energy Utilization in Wireless Sensor Networks. Energies, 2017, 10, 1940.	3.1	4
90	Enhanced multi-user beamforming protocol for millimeter wave wireless local area networks. , 2018, , .		4

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91	Delay-Aware Admission Control and Beam Allocation for 5G Functional Split Enhanced Millimeter Wave Wireless Fronthaul Networks. IEEE Transactions on Wireless Communications, 2022, 21, 2430-2444.	9.2	4
92	I/Q Density-based Angle of Arrival Estimation for Bluetooth Indoor Positioning Systems. , 2021, , .		4
93	Effective Capacity Maximization for Multi-Numerology based 5G NR Networks. , 2020, , .		4
94	Resource Allocation for URLLC Service in In-Band Full-Duplex-Based V2I Networks. IEEE Transactions on Communications, 2022, 70, 3266-3281.	7.8	4
95	CoMP Enhanced Subcarrier and Power Allocation for Multi-Numerology Based 5G-NR Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5460-5476.	6.3	4
96	Predictive mobility and location-aware routing protocol in mobile ad hoc networks. , 2005, , .		3
97	Intelligent Router-Assisted Power Saving Medium Access Control for Mobile Ad Hoc Networks. , 0, , .		3
98	A Predictive Location Tracking Algorithm for Mobile Devices with Deficient Signal Sources. IEEE Vehicular Technology Conference, 2007, , .	0.4	3
99	Location tracking assisted handover algorithms for broadband wireless networks. , 2008, , .		3
100	A statistical power-saving mechanism for IEEE 802.16 networks. , 2009, , .		3
101	Dynamic Power Management in Cognitive Radio Networks Based on Constrained Stochastic Games. , 2009, , .		3
102	Performance analysis for aggregated selective repeat ARQ scheme in IEEE 802.11n networks. , 2009, , .		3
103	QoS-Based Adaptive Contention/Reservation Medium Access Control Protocols for Wireless Local Area Networks. IEEE Transactions on Mobile Computing, 2011, 10, 1785-1803.	5.8	3
104	Joint component carrier and antenna allocation for heterogeneous network in LTE-A system. , 2014, , .		3
105	Joint Base Station Association and Radio Resource Allocation for Downlink Carrier Aggregation in LTE-Advanced Systems. , 2015, , .		3
106	QoS-Guaranteed Channel-Aware Scheduling and Resource Grouping under Non-Full Buffer Traffic for LTE-A Networks. , 2017, , .		3
107	Joint Wireless Charging and Hybrid Power Based Resource Allocation for LTE-A Wireless Network. , 2017, , .		3
108	QoS-Guaranteed Power-Saving Configuration Prediction Scheme for 5G IoT. , 2017, , .		3

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109	Renewable Energy-Based Resource Allocation for Full-Duplex Small Cell Networks. IEEE Access, 2018, 6, 24746-24756.	4.2	3
110	Millimeter Wave Multiuser Beam Clustering and Iterative Power Allocation Schemes. , 2019, , .		3
111	Queue-Aware Beam Assignment and Rate Control for Time-Varying mm-Wave-Based Full-Duplex Small Cell Networks. IEEE Communications Letters, 2020, 24, 222-226.	4.1	3
112	On hybrid energy utilization for harvesting base station in 5G networks. Energy Science and Engineering, 2020, 8, 768-778.	4.0	3
113	A Novel Fairness Allocation Strategy With Minimum Mainlobe Interference for mmWave Networks. IEEE Internet of Things Journal, 2022, 9, 2001-2013.	8.7	3
114	Beam AoD-based Indoor Positioning for 60 GHz MmWave System. , 2020, , .		3
115	Velocity and location aided routing for mobile ad hoc networks. , 0, , .		2
116	Performance analysis of cooperative communications from MAC layer perspectives. , 2008, , .		2
117	Realization of Greedy Anti-Void Routing Protocol for Wireless Sensor Networks. , 2009, , .		2
118	Adaptive Reservation-Assisted Collision Resolution Protocol for Wireless Local Area Networks. , 2009, , .		2
119	GGRA: A Feasible Resource Allocation Scheme by Optimization Technique for IEEE 802.16 Uplink Systems. , 2010, , .		2
120	QoS-based resource allocation for relay-enhanced OFDMA networks. , 2011, , .		2
121	Adaptive point-to-point communication approach for subscriber stations in broadband wireless networks. Wireless Networks, 2011, 17, 69-86.	3.0	2
122	Cognitive Radio-Enabled Optimal Channel-Hopping Sequence for Multi-Channel Vehicular Communications. , 2011, , .		2
123	Green resource allocation for MIMO-OFDM relay networks. , 2012, , .		2
124	A pitch-aided lane tracking algorithm for driver assistance system with insufficient observations. , 2012, , .		2
125	An MIMO Configuration Mode and MCS Level Selection Scheme by Fuzzy Q-Learning for HSPAâ Systems. IEEE Transactions on Mobile Computing, 2012, 11, 1151-1162.	5.8	2
126	Femto-assisted location estimation in macro/femto heterogeneous networks. , 2013, , .		2

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127	3D interactive augmented reality-enhanced digital learning systems for mobile devices. , 2013, , .		2
128	Optimality of Frame Aggregation-Based Power-Saving Scheduling Algorithm for Broadband Wireless Networks. IEEE Transactions on Wireless Communications, 2014, 13, 577-591.	9.2	2
129	Joint Clusterization and Power Allocation for Cloud Radio Access Networks. , 2015, , .		2
130	Energy-Efficient Spectrum Selection and Resource Allocation in Downlink Cognitive Femtocell Networks. , 2015, , .		2
131	Oblique projection-based interference cancellation in full-duplex MIMO systems. , 2016, , .		2
132	Enhanced area estimation algorithms for indoor wireless localization. , 2016, , .		2
133	Energy-Efficient Channel Access for Dual-Band Small Cell Networks. , 2017, , .		2
134	Optimal Transmission Policy for Maximizing Green Energy Utilization in Small Cell Networks. , 2019, , .		2
135	QoE-Oriented Admission Control and Resource Allocation for Functional Split Millimeter-Wave Fronthaul Networks. , 2019, , .		2
136	Intelligent Visual Acuity Estimation System With Hand Motion Recognition. IEEE Transactions on Cybernetics, 2021, 51, 6226-6239.	9.5	2
137	Hybrid Controlled User Association and Resource Management for Energy-Efficient Green RANs With Limited Fronthaul. IEEE Access, 2022, 10, 5264-5280.	4.2	2
138	Design of vehicle lateral guidance system for driver assistance. , 2000, , .		1
139	A Heuristic Energy-Conserving Multicast Routing Protocol for Wireless Multihop Networks. , 2007, , .		1
140	Asynchronous Location Tracking Algorithms for Distributed Power-Saving Wireless Sensor Networks. , 2009, , .		1
141	Multiple receiver transmission strategy for receiver blocking problem in wireless multi-hop networks. , 2009, , .		1
142	Frame aggregation-based power-saving scheduling algorithm for broadband wireless networks. , 2009, , .		1
143	Stochastic multiple channel sensing protocol for cognitive radio networks. , 2011, , .		1
144	Analysis and determination of cooperative MAC strategies from throughput perspectives. Wireless Networks, 2013, 19, 1217-1235.	3.0	1

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145	Fingerprinting-based dynamic RSS adjustment for time-variant indoor positioning systems. , 2016, , .		1
146	Particle-Based Window Rotation and Scaling Scheme for Real-Time Hand Recognition and Tracking. , 2017, , .		1
147	Discontinuous transmission-enabled licensed-assisted access for energy-efficient hetnets. , 2017, , .		1
148	Analytical Modeling and Design of Energy Efficient Class-Selection for Long Range Wide Area Networks. , 2019, , .		1
149	Skeleton-Based Positioning and Reference Point Deployment for Hybrid Wireless Localization. IEEE Transactions on Vehicular Technology, 2022, 71, 5404-5414.	6.3	1
150	Virtual User Emulation and Resource Allocation Designs for 5G Mobile Wireless Networks. , 2021, , .		1
151	A Location and Mobility Aware Medium Access Control Protocol for Directional Antenna-Based Mobile Ad Hoc Networks. , 0, , .		0
152	Point-to-point direct communications for subscriber stations in IEEE 802.16 PMP networks. , 2008, , .		0
153	An enhanced predictive location tracking scheme with deficient signal sources for wireless networks. , 2009, , .		0
154	Design and performance analysis on adaptive reservation-assisted collision resolution protocol for WLANs. Wireless Networks, 2011, 17, 973-986.	3.0	0
155	Flexible Window Adjustment Approach for IEEE 802.16m Sleep Mode Operation. , 2011, , .		0
156	Predictive interference-based scheduling mechanism for direct communications in IEEE 802.16 networks. , 2012, , .		0
157	MCR: MAC-assisted congestion-controlled routing for wireless multihop networks. Wireless Communications and Mobile Computing, 2012, 12, 713-728.	1.2	0
158	Demo paper: Particle-based augmented reality interactive system. , 2013, , .		0
159	Geometry-improved location estimation algorithm for LTE-A wireless networks. , 2014, , .		0
160	Novel design of hand motion recognition based visual acuity measurements through wireless communications. , 2014, , .		0
161	Load-balanced user association and resource allocation under limited capacity backhaul for small cell networks. , 2016, , .		0
162	Energy minimization resource allocation schemes for relay-enhanced OFDMA networks. Wireless Networks, 2017, 23, 1629-1644.	3.0	0

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163	Outage-based cooperative resource competition game in LTE-A small cell networks. , 2017, , .		0
164	A survey: Green energy for cellular base station and small cell. , 2017, , .		0
165	Indoor Positioning Based Consecutive Pattern Mining for Pedestrian Flow Analysis. , 2021, , .		0
166	A New Resource Allocation Strategy for Avoiding Interference in mmWave Networks. , 2021, , .		0