

Shuai Han

List of Publications by Year in descending order

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66
papers

927
citations

471061

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500791

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66
docs citations

66
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Power Allocation for SCMA Downlink Systems Based on Maximum Capacity. IEEE Transactions on Communications, 2019, 67, 1480-1489.	4.9	76
2	Dense-Device-Enabled Cooperative Networks for Efficient and Secure Transmission. IEEE Network, 2018, 32, 100-106.	4.9	63
3	Crowdsourcing and Multisource Fusion-Based Fingerprint Sensing in Smartphone Localization. IEEE Sensors Journal, 2018, 18, 3236-3247.	2.4	56
4	Indoor Localization With a Single Wi-Fi Access Point Based on OFDM-MIMO. IEEE Systems Journal, 2019, 13, 964-972.	2.9	54
5	Cosine similarity based fingerprinting algorithm in WLAN indoor positioning against device diversity. , 2015, , .		49
6	On Precoding and Energy Efficiency of Full-Duplex Millimeter-Wave Relays. IEEE Transactions on Wireless Communications, 2019, 18, 1943-1956.	6.1	45
7	Self-Interference-Cancellation-Based SLNR Precoding Design for Full-Duplex Relay-Assisted System. IEEE Transactions on Vehicular Technology, 2018, 67, 8249-8262.	3.9	41
8	Automatic Precision Control Positioning for Wireless Sensor Network. IEEE Sensors Journal, 2016, 16, 2140-2150.	2.4	39
9	Full-Duplex Relay-Assisted Macrocell with Millimeter Wave Backhauls: Framework and Prospects. IEEE Network, 2019, 33, 190-197.	4.9	30
10	Optimal Power Allocation for Dual-Hop Full-Duplex Decode-and-Forward Relay. IEEE Communications Letters, 2015, 19, 471-474.	2.5	29
11	Toward Ubiquitous LBS: Multi-Radio Localization and Seamless Positioning. IEEE Wireless Communications, 2016, 23, 107-113.	6.6	29
12	Improve the Security of GNSS Receivers Through Spoofing Mitigation. IEEE Access, 2017, 5, 21057-21069.	2.6	29
13	An Agile Confidential Transmission Strategy Combining Big Data Driven Cluster and OBF. IEEE Transactions on Vehicular Technology, 2017, 66, 10259-10270.	3.9	28
14	Design, Analysis, and Field Testing of an Innovative Drone-Assisted Zero-Configuration Localization Framework for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10322-10335.	3.9	26
15	BSDP: Big Sensor Data Preprocessing in Multi-Source Fusion Positioning System Using Compressive Sensing. IEEE Transactions on Vehicular Technology, 2019, 68, 8866-8880.	3.9	26
16	Physical Layer Security Enhancement for Satellite Communication Among Similar Channels: Relay Selection and Power Allocation. IEEE Systems Journal, 2020, 14, 433-444.	2.9	24
17	Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13658-13672.	3.9	22
18	Kennedy Receiver Using Threshold Detection and Optimized Displacement Under Thermal Noise. IEEE Communications Letters, 2020, 24, 1313-1317.	2.5	18

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19	Channel-Correlation-Enabled Transmission Optimization for MISO Wiretap Channels. IEEE Transactions on Wireless Communications, 2021, 20, 858-870.	6.1	17
20	Energy Efficiency-Aware Joint Resource Allocation and Power Allocation in Multi-User Beamforming. IEEE Transactions on Vehicular Technology, 2019, 68, 4824-4833.	3.9	16
21	Reinforcement Learning-Based Energy-Efficient Data Access for Airborne Users in Civil Aircrafts-Enabled SAGIN. IEEE Transactions on Green Communications and Networking, 2021, 5, 934-949.	3.5	16
22	Multiple-Jammer-Aided Secure Transmission With Receiver-Side Correlation. IEEE Transactions on Wireless Communications, 2019, 18, 3093-3103.	6.1	14
23	Robust Task Scheduling for Delay-Aware IoT Applications in Civil Aircraft-Augmented SAGIN. IEEE Transactions on Communications, 2022, 70, 5368-5385.	4.9	11
24	An indoor radio propagation model considering angles for WLAN infrastructures. Wireless Communications and Mobile Computing, 2015, 15, 2038-2048.	0.8	10
25	Precoding Design for Full-Duplex Transmission in Millimeter Wave Relay Backhaul. Mobile Networks and Applications, 2018, 23, 1416-1426.	2.2	10
26	Weighted Sum-Rate Maximization for Rate-Splitting Multiple Access Based Secure Communication. , 2022, , .		10
27	Factor graph based multi-source data fusion for wireless localization. , 2016, , .		9
28	AN-Aided Secure Beamforming Design for Correlated MISO Wiretap Channels. IEEE Communications Letters, 2019, 23, 628-631.	2.5	9
29	Integration of 5G Networks and Internet of Things for Future Smart City. Wireless Communications and Mobile Computing, 2020, 2020, 1-2.	0.8	9
30	A resource scheduling scheme based on feed-back for SCMA grant-free uplink transmission. , 2017, , .		8
31	Design of a Practical WSN Based Fingerprint Localization System. Mobile Networks and Applications, 2020, 25, 806-818.	2.2	8
32	QoS-Based Robust Cooperative-Jamming-Aided Beamforming for Correlated Wiretap Channels. IEEE Signal Processing Letters, 2020, 27, 216-220.	2.1	8
33	Security of Binary Modulated Continuous Variable Quantum Key Distribution Using Optimally Displaced Threshold Detection. IEEE Communications Letters, 2021, 25, 1089-1093.	2.5	8
34	Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. IEEE Transactions on Vehicular Technology, 2020, 69, 1903-1912.	3.9	7
35	An Accuracy Estimation Algorithm for Fingerprint Positioning System. , 2014, , .		6
36	A flexible resource scheduling scheme for an adaptive SCMA system. Computer Networks, 2017, 129, 384-391.	3.2	6

#	ARTICLE	IF	CITATIONS
37	Improving Secrecy for Correlated Main and Wiretap Channels Using Cooperative Jamming. IEEE Access, 2019, 7, 23788-23797.	2.6	6
38	Optimally Displaced Threshold Detection for Discriminating Binary Coherent States Using Imperfect Devices. IEEE Transactions on Communications, 2021, 69, 2546-2556.	4.9	6
39	Euclidean distance based handoff algorithm for fingerprint positioning of WLAN system. , 2013, , .		5
40	Joint Secure Transceiver Design and Power Allocation for AN-Assisted MIMO Networks. IEEE Transactions on Wireless Communications, 2022, 21, 477-488.	6.1	5
41	A Two-Stage Resource Allocation for SCMA-Based C-V2X Networks. , 2019, , .		4
42	Correlation-Based Secure Transmission for Correlated MISO Wiretap Channels. IEEE Wireless Communications Letters, 2020, 9, 302-305.	3.2	4
43	The Design of FIR Filter Based on Improved DA and Implementation to High-Speed Ground Penetrating Radar System. , 2020, , .		4
44	A Multi-Node Detection Algorithm Based on Serial and Threshold in Intelligent Sensor Networks. Sensors, 2020, 20, 1960.	2.1	4
45	Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. IEEE Transactions on Vehicular Technology, 2020, 69, 15298-15313.	3.9	4
46	Dynamic power allocation scheme with clustering based on physical layer security. IET Communications, 2018, 12, 2546-2551.	1.5	3
47	SNR-Outage-Based Robust Artificial Noise-Aided Beamforming for Correlated MISO Wiretap Channels Under Gaussian Channel Uncertainties. IEEE Systems Journal, 2023, 17, 1569-1580.	2.9	3
48	A big data based dynamic bandwidth allocation strategy with secrecy constraints. , 2017, , .		2
49	Robust Beamforming Design for Correlated MISO Wiretap Channels Under Channel Uncertainty. IEEE Wireless Communications Letters, 2020, 9, 553-557.	3.2	2
50	Post-selection Based Generalized Kennedy Receiver for Discriminating Binary Coherent States. , 2021, , .		2
51	Distributed power allocation for device-to-device communications underlying cellular networks. , 2017, , .		1
52	Multi-Parameter Based Self-Feedback Effectiveness Evaluation in a Multi-Sensor Fusion Positioning System. , 2017, , .		1
53	Optimal Mode Selection for D2D Communication Underlying Cellular Networks. , 2018, , .		1
54	Joint PHY/MAC Layer AN-Assisted Security Scheme in SVD-Based MIMO HARQ system. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	Artificial Noise Assisted MISO System-Power allocation and its SDR Implementation. , 2019, , .		1
56	RSSI Based Positioning Fusion Algorithm in Wireless Sensor Network Using Factor Graph. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 577-586.	0.2	1
57	Asymptotic Performance Analysis for mmWave V2X Cellular Networks. , 2021, , .		1
58	Design of high sensitivity GPS signal acquisition circuit with new frequency domain search strategy. , 2011, , .		0
59	Transform Domain Processing-Based Cooperative Spectrum Sharing Protocol With Adaptive Relaying. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 529-543.	4.9	0
60	A Transfer Learning Method For Ship Recognition In Multi-Optical Remote Sensing Satellites. , 2018, , .		0
61	Editorial: Intelligent and Holistic Solutions for Next Generation Wireless Networks. Mobile Networks and Applications, 2020, 25, 1629-1631.	2.2	0
62	SINR-OP Based Robust AN-Aided Beamforming for Correlated MISO Eavesdropping Channels. , 2021, , .		0
63	A Cooperative Anti-spoofing Technology Based on Subspace Projection. Lecture Notes in Electrical Engineering, 2018, , 91-100.	0.3	0
64	Improvement of a Single Node Indoor Localization System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 208-219.	0.2	0
65	Analysis of Physical Layer Security Based on Correlated Channels in Opportunistic Beamforming Technology. , 2021, , .		0
66	Editorial: Machine Learning and Intelligent Communications (MLICOM 2018). Mobile Networks and Applications, 0, , .	2.2	0