Feng Shu

List of Publications by Year
in descending order

179 papers	4,125 citations	147801 31 h-index	144013 57 g-index
179 all docs	179 docs citations	179 times ranked	2915 citing authors

#	Article	IF	Citations
1	UAV-Enabled Secure Communications: Joint Trajectory and Transmit Power Optimization. IEEE Transactions on Vehicular Technology, 2019, 68, 4069-4073.	6.3	183
2	Achieving Covert Wireless Communications Using a Full-Duplex Receiver. IEEE Transactions on Wireless Communications, 2018, 17, 8517-8530.	9.2	155
3	Path Planning for UAV-Mounted Mobile Edge Computing With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5723-5728.	6.3	149
4	Artificial-Noise-Aided Secure Transmission With Directional Modulation Based on Random Frequency Diverse Arrays. IEEE Access, 2017, 5, 1658-1667.	4.2	148
5	On Safeguarding Privacy and Security in the Framework of Federated Learning. IEEE Network, 2020, 34, 242-248.	6.9	147
6	Short-term traffic flow prediction based on spatio-temporal analysis and CNN deep learning. Transportmetrica A: Transport Science, 2019, 15, 1688-1711.	2.0	140
7	Low-Complexity and High-Resolution DOA Estimation for Hybrid Analog and Digital Massive MIMO Receive Array. IEEE Transactions on Communications, 2018, 66, 2487-2501.	7.8	134
8	Covert Communication Achieved by a Greedy Relay in Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 4766-4779.	9.2	129
9	Joint Optimization of a UAV's Trajectory and Transmit Power for Covert Communications. IEEE Transactions on Signal Processing, 2019, 67, 4276-4290.	5.3	122
10	Robust Synthesis Method for Secure Directional Modulation With Imperfect Direction Angle. IEEE Communications Letters, 2016, 20, 1084-1087.	4.1	104
11	Delay-Constrained Covert Communications With a Full-Duplex Receiver. IEEE Wireless Communications Letters, 2019, 8, 813-816.	5.0	91
12	Secure and Precise Wireless Transmission for Random-Subcarrier-Selection-Based Directional Modulation Transmit Antenna Array. IEEE Journal on Selected Areas in Communications, 2018, 36, 890-904.	14.0	88
13	Robust Synthesis Scheme for Secure Multi-Beam Directional Modulation in Broadcasting Systems. IEEE Access, 2016, 4, 6614-6623.	4.2	85
14	Intelligent Reflecting Surface (IRS)-Aided Covert Wireless Communications With Delay Constraint. IEEE Transactions on Wireless Communications, 2022, 21, 532-547.	9.2	77
15	Artificial-Noise-Aided Secure Multicast Precoding for Directional Modulation Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 6658-6662.	6.3	75
16	User Association and Path Planning for UAV-Aided Mobile Edge Computing With Energy Restriction. IEEE Wireless Communications Letters, 2019, 8, 1312-1315.	5.0	69
17	Covert Transmission With a Self-Sustained Relay. IEEE Transactions on Wireless Communications, 2019, 18, 4089-4102.	9.2	61
18	Two High-Performance Schemes of Transmit Antenna Selection for Secure Spatial Modulation. IEEE Transactions on Vehicular Technology, 2018, 67, 8969-8973.	6.3	60

#	Article	IF	Citations
19	Design of Contract-Based Trading Mechanism for a Small-Cell Caching System. IEEE Transactions on Wireless Communications, 2017, 16, 6602-6617.	9.2	57
20	Covert Wireless Communications With Channel Inversion Power Control in Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2019, 68, 12135-12149.	6.3	56
21	A Cramerâ€“Rao Lower Bound of CSI-Based Indoor Localization. IEEE Transactions on Vehicular Technology, 2018, 67, 2814-2818.	6.3	54
22	Age of Information for Short-Packet Covert Communication. IEEE Wireless Communications Letters, 2021, 10, 1890-1894.	5.0	53
23	Enhanced Secure Wireless Information and Power Transfer via Intelligent Reflecting Surface. IEEE Communications Letters, 2021, 25, 1084-1088.	4.1	51
24	A Commercial Video-Caching System for Small-Cell Cellular Networks Using Game Theory. IEEE Access, 2016, 4, 7519-7531.	4.2	49
25	Covert Communications with a Full-Duplex Receiver over Wireless Fading Channels. , 2018, , .		48
26	On Social-Aware Content Caching for D2D-Enabled Cellular Networks With Matching Theory. IEEE Internet of Things Journal, 2019, 6, 297-310.	8.7	46
27	Enhanced Secrecy Rate Maximization for Directional Modulation Networks via IRS. IEEE Transactions on Communications, 2021, 69, 8388-8401.	7.8	46
28	UAV-Enabled Covert Wireless Data Collection. IEEE Journal on Selected Areas in Communications, 2021, 39, 3348-3362.	14.0	41
29	Task Offloading for UAV-based Mobile Edge Computing via Deep Reinforcement Learning. , 2018, , .		39
30	Towards a Model of Regional Vessel Near-miss Collision Risk Assessment for Open Waters based on AIS Data. Journal of Navigation, 2019, 72, 1449-1468.	1.7	38
31	Robust Secure Transmission of Using Main-Lobe-Integration-Based Leakage Beamforming in Directional Modulation MU-MIMO Systems. IEEE Systems Journal, 2018, 12, 3775-3785.	4.6	35
32	Atom search optimization algorithm based hybrid antenna array receive beamforming to control sidelobe level and steering the null. AEU - International Journal of Electronics and Communications, 2019, 111, 152854.	2.9	34
33	Optimal Detection of UAV's Transmission With Beam Sweeping in Covert Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1080-1085.	6.3	34
34	Pilot Optimization, Channel Estimation, and Optimal Detection for Full-Duplex OFDM Systems With IQ Imbalances. IEEE Transactions on Vehicular Technology, 2017, 66, 6993-7009.	6.3	33
35	Reference Anchor Selection and Global Optimized Solution for DV-Hop Localization in Wireless Sensor Networks. Wireless Personal Communications, 2017, 96, 5995-6005.	2.7	33
36	Antenna Selection Method of Maximizing Secrecy Rate for Green Secure Spatial Modulation. IEEE Transactions on Green Communications and Networking, 2019, 3, 288-301.	5.5	33

#	Article	IF	Citations
37	Covert Communication in Wireless Relay Networks. , 2017, , .		32
38	Multi-Objective Whale Optimization Algorithm for Computation Offloading Optimization in Mobile Edge Computing. Sensors, 2021, 21, 2628.	3.8	32
39	Contract-Based Small-Cell Caching for Data Disseminations in Ultra-Dense Cellular Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1042-1053.	5.8	31
40	Approximate Analytic Quadratic-Optimization Solution for TDOA-Based Passive Multi-Satellite Localization With Earth Constraint. IEEE Access, 2016, 4, 9283-9292.	4.2	30
41	Connectivity Based DV-Hop Localization for Internet of Things. IEEE Transactions on Vehicular Technology, 2020, 69, 8949-8958.	6.3	29
42	Covert Communications Without Channel State Information at Receiver in IoT systems. IEEE Internet of Things Journal, 2020, 7, 11103-11114.	8.7	27
43	Beamforming Design for IRS-Aided Decode-and-Forward Relay Wireless Network. IEEE Transactions on Green Communications and Networking, 2022, 6, 198-207.	5.5	27
44	Nonconvex Penalized Regularization for Robust Sparse Recovery in the Presence of <inline-formula> <tex-math notation="LaTeX">$Salpha S$ </tex-math> </inline-formula> Noise. IEEE Access, 2018, 6, 25474-25485.	4.2	26
45	On Resource Allocation in Covert Wireless Communication With Channel Estimation. IEEE Transactions on Communications, 2020, 68, 6456-6469.	7.8	26
46	UAV-Enabled Uplink Non-Orthogonal Multiple Access System: Joint Deployment and Power Control. IEEE Transactions on Vehicular Technology, 2020, 69, 10090-10102.	6.3	25
47	Secure multigroup multicast communication systems via intelligent reflecting surface. China Communications, 2021, 18, 39-51.	3.2	25
48	Probabilistic Caching for Small-Cell Networks With Terrestrial and Aerial Users. IEEE Transactions on Vehicular Technology, 2019, 68, 9162-9177.	6.3	21
49	High-Performance Power Allocation Strategies for Secure Spatial Modulation. IEEE Transactions on Vehicular Technology, 2019, 68, 5164-5168.	6.3	21
50	Two-Tier Matching Game in Small Cell Networks for Mobile Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 254-265.	4.6	21
51	Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16027-16043.	6.3	21
52	Power Allocation Strategy of Maximizing Secrecy Rate for Secure Directional Modulation Networks. IEEE Access, 2018, 6, 38794-38801.	4.2	20
53	Quality-of-Service Driven Resource Allocation Based on Martingale Theory. , 2018, , .		20
54	Enhanced RSS-Based UAV Localization Via Trajectory and Multi-Base Stations. IEEE Communications Letters, 2021, 25, 1881-1885.	4.1	20

#	Article	IF	Citations
55	Protocol Sequences for the Multiple-Packet Reception Channel Without Feedback. IEEE Transactions on Communications, 2016, 64, 1687-1698.	7.8	19
56	On Impact of Earth Constraint on TDOA-Based Localization Performance in Passive Multisatellite Localization Systems. IEEE Systems Journal, 2018, 12, 3861-3864.	4.6	19
57	Directional Modulation: A Physical-Layer Security Solution to B5G and Future Wireless Networks. IEEE Network, 2020, 34, 210-216.	6.9	19
58	Popularity-Aware Online Task Offloading for Heterogeneous Vehicular Edge Computing Using Contextual Clustering of Bandits. IEEE Internet of Things Journal, 2022, 9, 5422-5433.	8.7	19
59	Two Practical Random-Subcarrier-Selection Methods for Secure Precise Wireless Transmissions. IEEE Transactions on Vehicular Technology, 2019, 68, 9018-9028.	6.3	18
60	Vehicle Tracking in Wireless Sensor Networks via Deep Reinforcement Learning. , 2020, 4, 1-4.		18
61	Transmit Antenna Selection and Beamformer Design for Secure Spatial Modulation With Rough CSI of Eve. IEEE Transactions on Wireless Communications, 2020, 19, 4643-4656.	9.2	18
62	Pilot Optimization and Power Allocation for OFDM-Based Full-Duplex Relay Networks With IQ-Imbalances. IEEE Access, 2017, 5, 24344-24352.	4.2	17
63	Secure SWIPT for Directional Modulation-Aided AF Relaying Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 253-268.	14.0	17
64	Joint Optimization for RIS-Assisted Wireless Communications: From Physical and Electromagnetic Perspectives. IEEE Transactions on Communications, 2022, 70, 606-620.	7.8	17
65	A Robust Symbol Timing Synchronization Scheme for OFDM Systems Applied in a Vehicular Network. IEEE Systems Journal, 2019, 13, 1443-1453.	4.6	16
66	UAV-Enabled Secure Communication With Finite Blocklength. IEEE Transactions on Vehicular Technology, 2020, 69, 16309-16313.	6.3	16
67	Secure precise transmission with multi-relay-aided directional modulation. , 2017, , .		15
68	DV-Hop Localization With Protocol Sequence Based Access. IEEE Transactions on Vehicular Technology, 2018, 67, 9972-9982.	6.3	15
69	A Robust Secure Hybrid Analog and Digital Receive Beamforming Scheme for Efficient Interference Reduction. IEEE Access, 2019, 7, 22227-22234.	4.2	15
70	Cache-Enabled MIMO Power Line Communications With Precoding Design in Smart Grid. IEEE Transactions on Green Communications and Networking, 2020, 4, 315-325.	5.5	15
71	PAPR Reduction Based on Parallel Tabu Search for Tone Reservation in OFDM Systems. IEEE Wireless Communications Letters, 2019, 8, 576-579.	5.0	14
72	A Novel Precoding and Impulsive Noise Mitigation Scheme for MIMO Power Line Communication Systems. IEEE Systems Journal, 2019, 13, 6-17.	4.6	14

#	Article	IF	Citations
73	Machine-learning-based high-resolution DOA measurement and robust directional modulation for hybrid analog-digital massive MIMO transceiver. Science China Information Sciences, 2020, 63, 1.	4.3	14
74	MIMO Precoding Using Rotating Codebooks. IEEE Transactions on Vehicular Technology, 2011, 60, 1222-1227.	6.3	13
75	Resource Trading for a Small-Cell Caching System: A Contract-Theory Based Approach. , 2017, , .		13
76	On the Auction-Based Resource Trading for a Small-Cell Caching System. IEEE Communications Letters, 2017, 21, 1473-1476.	4.1	13
77	Achieving Maximum Reliability in Deadline-Constrained Random Access With Multiple-Packet Reception. IEEE Transactions on Vehicular Technology, 2019, 68, 5997-6008.	6.3	13
78	Compressed sensing-based time-domain channel estimator for full-duplex OFDM systems with IQ-imbalances. Science China Information Sciences, 2017, 60, 1.	4.3	12
79	Power Allocation Strategies for Secure Spatial Modulation. IEEE Systems Journal, 2019, 13, 3869-3872.	4.6	12
80	Optimal Task Allocation in Vehicular Fog Networks Requiring URLLC: An Energy-Aware Perspective. IEEE Transactions on Network Science and Engineering, 2020, 7, 1879-1890.	6.4	12
81	Capacity and Optimum Signal Constellations for VLC Systems. Journal of Lightwave Technology, 2020, 38, 2180-2189.	4.6	12
82	Impact of Low-Resolution ADC on DOA Estimation Performance for Massive MIMO Receive Array. IEEE Systems Journal, 2022, 16, 2635-2638.	4.6	12
83	Harvest-and-Opportunistically-Relay: Analyses on Transmission Outage and Covertness. IEEE Transactions on Wireless Communications, 2020, 19, 7779-7795.	9.2	11
84	Precoding and Transmit Antenna Subarray Selection for Secure Hybrid Spatial Modulation. IEEE Transactions on Wireless Communications, 2021, 20, 1903-1917.	9.2	11
85	Communication-Efficient Coordinated RSS-Based Distributed Passive Localization via Drone Cluster. IEEE Transactions on Vehicular Technology, 2022, 71, 1072-1076.	6.3	11
86	ML integer frequency offset estimation for OFDM systems with null subcarriers: Estimation range and pilot design. Science China Information Sciences, 2010, 53, 2567-2575.	4.3	10
87	Relay Selection Schemes for Precoded Cooperative OFDM and Their Achievable Diversity Orders. IEEE Signal Processing Letters, 2011, 18, 231-234.	3.6	10
88	Multi-User MIMO with Limited Feedback Using Alternating Codebooks. IEEE Transactions on Communications, 2012, 60, 333-338.	7.8	10
89	A Blind Adaptive Tuning Algorithm for Reliable and Energy-Efficient Communication in IEEE 802.15.4 Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 8605-8609.	6.3	10
90	A Small-Cell Caching System in Mobile Cellular Networks With LoS and NLoS Channels. IEEE Access, 2017, 5, 1296-1305.	4.2	10

#	Article	IF	Citations
91	An Efficient Hybrid Beamforming Design for Massive MIMO Receive Systems via SINR Maximization Based on an Improved Bat Algorithm. IEEE Access, 2019, 7, 136545-136558.	4.2	10
92	Hybrid Precoding Design for Secure Generalized Spatial Modulation With Finite-Alphabet Inputs. IEEE Transactions on Communications, 2021, 69, 2570-2584.	7.8	10
93	Collaborative Intelligent Reflecting Surface Networks With Multi-Agent Reinforcement Learning. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 532-545.	10.8	10
94	Performance analysis for a two-way relaying power line network with analog network coding. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 892-898.	2.6	9
95	GPI-Based Secrecy Rate Maximization Beamforming Scheme for Wireless Transmission With AN-Aided Directional Modulation. IEEE Access, 2018, 6, 12044-12051.	4.2	9
96	Optimal power allocation for secure directional modulation networks with a full-duplex UAV user. Science China Information Sciences, 2019, 62, 1.	4.3	9
97	Generalized p -Persistent CSMA for Asynchronous Multiple-Packet Reception. IEEE Transactions on Communications, 2019, 67, 6966-6979.	7.8	9
98	Incentive Mechanism Design for Two-Layer Wireless Edge Caching Networks Using Contract Theory. IEEE Transactions on Services Computing, 2021, 14, 1426-1438.	4.6	9
99	High-sum-rate beamformers for multi-pair two-way relay networks with amplify-and-forward relaying strategy. Science China Information Sciences, 2014, 57, 1-11.	4.3	8
100	Low-complexity optimal spatial channel pairing for AF-based multi-pair two-way relay networks. Science China Information Sciences, 2014, 57, 1-10.	4.3	8
101	A reliable opportunistic routing for smart grid with in-home power line communication networks. Science China Information Sciences, 2016, 59, 1.	4.3	8
102	Multiple-Antenna Spectrum Sensing Method With Random Arrivals of Primary Users. IEEE Transactions on Vehicular Technology, 2018, 67, 8978-8983.	6.3	8
103	Performance Analysis of Directional Modulation With Finite-Quantized RF Phase Shifters in Analog Beamforming Structure. IEEE Access, 2019, 7, 97457-97465.	4.2	8
104	Secure Hybrid Digital and Analog Precoder for mmWave Systems With Low-Resolution DACs and Finite-Quantized Phase Shifters. IEEE Access, 2019, 7, 109763-109775.	4.2	8
105	Efficient Receive Beamformers for Secure Spatial Modulation Against a Malicious Full-Duplex Attacker With Eavesdropping Ability. IEEE Transactions on Vehicular Technology, 2021, 70, 1962-1966.	6.3	8
106	Fast ambiguous DOA elimination method of DOA measurement for hybrid massive MIMO receiver. Science China Information Sciences, 2022, 65, 1.	4.3	8
107	An efficient sparse channel estimator combining time-domain LS and iterative shrinkage for OFDM systems with IQ-imbalances. Science China Information Sciences, 2012, 55, 2604-2610.	4.3	7
108	Resolution Limit of Positioning Error for Range-Free Localization Schemes. IEEE Systems Journal, 2020, 14, 2980-2989.	4.6	7

#	Article	IF	Citations
109	Non-Line-of-Sight Localization of Passive UHF RFID Tags in Smart Storage Systems. IEEE Transactions on Mobile Computing, 2022, 21, 3731-3743.	5.8	7
110	Secrecy Zone Achieved by Directional Modulation With Random Frequency Diverse Array. IEEE Transactions on Vehicular Technology, 2021, 70, 2001-2006.	6.3	7
111	Remote Sensing Image Fusion Algorithm Based on Two-Stream Fusion Network and Residual Channel Attention Mechanism. Wireless Communications and Mobile Computing, 2022, 2022, 1-14.	1.2	7
112	Low-complexity and high-performance receive beamforming for secure directional modulation networks against an eavesdropping-enabled full-duplex attacker. Science China Information Sciences, 2022, 65, 1.	4.3	7
113	On Performance Loss of DOA Measurement Using Massive MIMO Receiver With Mixed-ADCs. IEEE Wireless Communications Letters, 2022, 11, 1614-1618.	5.0	7
114	Binary Sequences for Multiple Access Collision Channel: Identification and Synchronization. IEEE Transactions on Communications, 2014, 62, 667-675.	7.8	6
115	Adaptive robust Max-SLNR precoder for MU-MIMO-OFDM systems with imperfect CSI. Science China Information Sciences, 2016, 59, 1.	4.3	6
116	A cooperative modulation recognition: New paradigm for power line networks in smart grid. Physical Communication, 2017, 25, 268-276.	2.1	6
117	Cumulant-based blind cooperative spectrum sensing method for cognitive radio. Physical Communication, 2018, 29, 343-349.	2.1	6
118	Cache-Enabled Power Line Communication Networks: Caching Node Selection and Backhaul Energy Optimization. IEEE Transactions on Green Communications and Networking, 2020, 4, 606-615.	5.5	6
119	High-Performance Passive Eigen-Model-Based Detectors of Single Emitter Using Massive MIMO Receivers. IEEE Wireless Communications Letters, 2022, 11, 836-840.	5.0	6
120	Federated Learning-Based Localization With Heterogeneous Fingerprint Database. IEEE Wireless Communications Letters, 2022, 11, 1364-1368.	5.0	6
121	D2D-enabled wireless caching using Stackelberg game. , 2016, , .		5
122	Exploiting the physical layer security for providing a simple user privacy security system for vehicular networks. , 2017, , .		5
123	Subâ€channel assignment and link schedule for Inâ€Home power line communication network. IET Communications, 2017, 11, 673-679.	2.2	5
124	Energy-Efficient Wireless Powered Secure Transmission With Cooperative Jamming for Public Transportation. IEEE Transactions on Green Communications and Networking, 2019, 3, 876-885.	5.5	5
125	Covert Wireless Data Collection Based on Unmanned Aerial Vehicles. , 2019, , .		5
126	Robust Directional Modulation Design for Secrecy Rate Maximization in Multiuser Networks. IEEE Systems Journal, 2020, 14, 3150-3160.	4.6	5

#	Article	IF	Citations
127	Deep-Learning-Based Phase-Only Robust Massive MU-MIMO Hybrid Beamforming. IEEE Communications Letters, 2021, 25, 2280-2284.	4.1	5
128	Intelligent Reflecting Surface Aided Secure Transmission With Colluding Eavesdroppers. IEEE Transactions on Vehicular Technology, 2022, 71, 10155-10160.	6.3	5
129	On Performance Comparison of Wideband Multiple Primary User Detection Methods in Cognitive Radios. , 2009, , .		4
130	A Minimum-Complexity High-Performance Channel Estimator for MIMO-OFDM Communications. IEEE Transactions on Vehicular Technology, 2010, 59, 4634-4639.	6.3	4
131	An energy-aware reliable deterministic broadcast protocol for wireless sensor networks. , 2014, , .		4
132	Security challenges and trends in vehicular communications. , 2017, , .		4
133	Secrecy energy efficiency optimization for MISO SWIPT systems. Physical Communication, 2018, 28, 19-27.	2.1	4
134	Page-Based Dynamic Partitioning Scheduling for LDPC Decoding in MLC NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2082-2086.	3.0	4
135	Robust Beamforming Design for Secure DM-Based Relay Networks With Self-Sustained Jammers. IEEE Access, 2019, 7, 969-983.	4.2	4
136	Adaptive 2-D Scheduling-Based Nonbinary Majority-Logic Decoding for NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1349-1353.	3.0	4
137	An Anti-Eavesdropping Strategy for Precoding-Aided Spatial Modulation With Rough CSI of Eve. IEEE Transactions on Vehicular Technology, 2020, 69, 2343-2347.	6.3	4
138	Performance Analysis of Massive Hybrid Directional Modulation With Mixed Phase Shifters. IEEE Transactions on Vehicular Technology, 2022, 71, 5604-5608.	6.3	4
139	Joint Transmit Power and Reflection Beamforming Design for IRS-Aided Covert Communications. , 2021, , .		4
140	Energy-Efficiency Joint Trajectory and Resource Allocation Optimization in Cognitive UAV Systems. IEEE Internet of Things Journal, 2022, 9, 23058-23071.	8.7	4
141	High-performance beamforming and spatial channel pairing schemes at relay station for AF-based multi-pair two-way relay networks. , 2014, , .		3
142	Optimal Coherent Combining Scheme for Relay Networks. Wireless Personal Communications, 2016, 88, 575-585.	2.7	3
143	Design of incentive scheme using contract theory in energy-harvesting enabled sensor networks. Physical Communication, 2018, 28, 166-175.	2.1	3
144	A Novel D-Metric for Blind Detection of Polar Codes. , 2018, , .		3

#	Article	IF	Citations
145	Sum-MSE Gain of DFT-Based Channel Estimator Over Frequency-Domain LS One in Full-Duplex OFDM Systems. IEEE Systems Journal, 2019, 13, 1231-1240.	4.6	3
146	Low-Complexity Leakage-Based Secure Precise Wireless Transmission With Hybrid Beamforming. IEEE Wireless Communications Letters, 2020, 9, 1687-1691.	5.0	3
147	Energy-efficient alternating iterative secure structure of maximizing secrecy rate for directional modulation networks. Physical Communication, 2020, 38, 100949.	2.1	3
148	Performance analysis of indoor localization based on channel state information ranging model. , 2020, , .		3
149	Spatial Modulation: An Attractive Secure Solution to Future Wireless Networks. IEEE Network, 2022, 36, 130-135.	6.9	3
150	A Contract-Based Incentive Mechanism for Data Caching in Ultra-Dense Small-Cells Networks. , 2017, , .		2
151	A Multi-Rounds Double Auction Based Resource Trading for Small-Cell Caching System. , 2018, , .		2
152	Optimal Multichannel Slotted ALOHA for Deadline-Constrained Unicast Systems. IEEE Systems Journal, 2019, 13, 1308-1311.	4.6	2
153	Index Modulation Based on Four-dimensional Spherical Code and its DNN-based Receiver Design. IEEE Transactions on Vehicular Technology, 2021, , 1-1.	6.3	2
154	Phase Optimization for Massive IRS-Aided Two-Way Relay Network. IEEE Open Journal of the Communications Society, 2022, 3, 1025-1034.	6.9	2
155	A performance comparison between CACs and SCACs based topology-transparent scheduling. , 2015, , .		1
156	On the Capacity and Optimal Signal Constellations for SISO-VLC Systems. , 2018, , .		1
157	Design and Performance Analysis of Power Line Communication Networks Under Impulsive Noise in Smart Home. IEEE Access, 2018, 6, 71368-71377.	4.2	1
158	Protocol Sequences for Asynchronous Multiple Access With Physical-Layer Network Coding. IEEE Wireless Communications Letters, 2019, 8, 980-983.	5.0	1
159	Distributed resource allocation in caching-enabled heterogeneous cellular networks based on matching theory. CCF Transactions on Networking, 2019, 2, 57-68.	1.1	1
160	Two low-complexity high-performance linear precoding schemes for secure spatial modulation. Physical Communication, 2020, 41, 101099.	2.1	1
161	Alleviating Secrecy Outage Events via Power Optimization for Finite-Alphabet Inputs. IEEE Wireless Communications Letters, 2022, 11, 352-356.	5.0	1
162	Multiple Antennas-Based Secure Communications With Channel Inversion Power Control. IEEE Wireless Communications Letters, 2022, 11, 781-785.	5.0	1

#	Article	IF	Citations
163	Estimation of Covariance Matrix of Interference for Secure Spatial Modulation Against a Malicious Full-Duplex Attacker. IEEE Transactions on Vehicular Technology, 2022, 71, 9050-9054.	6.3	1
164	A comparison of two 2D channel estimators for OFDM system. Journal of Electronics, 2006, 23, 814-819.	0.2	0
165	A Low-Complexity Carrier Frequency Offset Estimator for OFDM System with Virtual Subcarriers. , 2008, , .		0
166	Delay analysis of completely irrepressible sequences for mobile ad hoc networks. , 2016, , .		0
167	A new protocol sequences based broadcast scheme for wireless sensor networks. , 2016, , .		0
168	Adaptive robust beamformer formulti-pair two-way relay networks with imperfect channel state information. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 265-280.	2.6	0
169	Spatial channel pairing based coherent combining for relay networks. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 938-945.	2.6	0
170	Optimal Buffer Resource Allocation in Wireless Caching Networks. , 2019, , .		0
171	IEEE Access Special Section Editorial: Secure Modulations for Future Wireless Communications and Mobile Networks. IEEE Access, 2019, 7, 181942-181946.	4.2	0
172	Two Efficient Beamformers for Secure Precise Jamming and Communication With Phase Alignment. IEEE Wireless Communications Letters, 2020, 9, 406-410.	5.0	0
173	Secure Transmission with Directional Modulation Based on Random Frequency Diverse Arrays. , 2021, , 29-50.		0
174	The opportunistic relaying scheme design and symbol error rate analysis for PLC networks in smart homes. Science China Information Sciences, 2021, 64, 1.	4.3	0
175	On Likelihood Functions to Minimize KL Divergence in Binary Hypothesis Testing. , 2020, , .		0
176	Regional robust secure precise wireless transmission design for multi-user UAV broadcasting system. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	0
177	Joint Precoder and Beamformer Design for Secure Relay Networks With Finite-Alphabet Inputs and Statistical CSI of Eve. IEEE Transactions on Wireless Communications, 2022, 21, 5814-5827.	9.2	0
178	Improved Approximate Expectation Propagation Massive MIMO Detector with Second-Order Richardson Iteration. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	0
179	High-Performance Estimation of Jamming Covariance Matrix for IRS-Aided Directional Modulation Network With a Malicious Attacker. IEEE Transactions on Vehicular Technology, 2022, 71, 10137-10142.	6.3	0