Derrick Wing Kwan Ng

List of Publications by Year
in descending order

366 papers	19,850 citations	13099 68 h-index	16183 124 g-index
376 all docs	376 docs citations	376 times ranked	8195 citing authors

#	Article	IF	Citations
1	Ergodic Capacity of Intelligent Omni-Surface-Aided Communication Systems With Phase Quantization Errors and Outdated CSI. IEEE Systems Journal, 2023, 17, 1889-1898.	4.6	3
2	Joint Radio Resource Allocation and Cooperative Caching in PD-NOMA-Based HetNets. IEEE Transactions on Mobile Computing, 2022, 21, 2029-2044.	5.8	13
3	Spectral and Energy Efficiency of ACO-OFDM in Visible Light Communication Systems. IEEE Transactions on Wireless Communications, 2022, 21, 2147-2161.	9.2	7
4	Compressive Sensing-Based Joint Activity and Data Detection for Grant-Free Massive IoT Access. IEEE Transactions on Wireless Communications, 2022, 21, 1851-1869.	9.2	27
5	Intelligent Reflecting Surface (IRS)-Aided Covert Wireless Communications With Delay Constraint. IEEE Transactions on Wireless Communications, 2022, 21, 532-547.	9.2	77
6	Deep Residual Learning for Channel Estimation in Intelligent Reflecting Surface-Assisted Multi-User Communications. IEEE Transactions on Wireless Communications, 2022, 21, 898-912.	9.2	114
7	Trajectory Design for UAV-Based Internet of Things Data Collection: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2022, 9, 3899-3912.	8.7	46
8	Massive Access in Media Modulation Based Massive Machine-Type Communications. IEEE Transactions on Wireless Communications, 2022, 21, 339-356.	9.2	12
9	Covert Rate Optimization of Millimeter Wave Full-Duplex Communications. IEEE Transactions on Wireless Communications, 2022, 21, 2844-2861.	9.2	20
10	Resource Allocation for Simultaneous Wireless Information and Power Transfer Systems: A Tutorial Overview. Proceedings of the IEEE, 2022, 110, 127-149.	21.3	24
11	Resource Allocation for IRS-Aided JP-CoMP Downlink Cellular Networks With Underlaying D2D Communications. IEEE Transactions on Wireless Communications, 2022, 21, 4295-4309.	9.2	12
12	Double Intelligent Reflecting Surface-Assisted Multi-User MIMO Mmwave Systems With Hybrid Precoding. IEEE Transactions on Vehicular Technology, 2022, 71, 1575-1587.	6.3	37
13	On the Physical Layer Security of Untrusted Millimeter Wave Relaying Networks: A Stochastic Geometry Approach. IEEE Transactions on Information Forensics and Security, 2022, 17, 53-68.	6.9	21
14	Performance Analysis and Optimization of NOMA-Based Cell-Free Massive MIMO for IoT. IEEE Internet of Things Journal, 2022, 9, 9625-9639.	8.7	16
15	Improving Sum-Rate of Cell-Free Massive MIMO With Expanded Compute-and-Forward. IEEE Transactions on Signal Processing, 2022, 70, 202-215.	5.3	42
16	Joint Packet Generation and Covert Communication in Delay-Intolerant Status Update Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 2170-2175.	6.3	11
17	Optimal Resource Allocation Design for Large IRS-Assisted SWIPT Systems: A Scalable Optimization Framework. IEEE Transactions on Communications, 2022, 70, 1423-1441.	7.8	27
18	Covertness and Timeliness of Data Collection in UAV-Aided Wireless-Powered IoT. IEEE Internet of Things Journal, 2022, 9, 12573-12587.	8.7	25

#	ARTICLE	IF	CITATIONS
19	Faster-Than-Nyquist Asynchronous NOMA Outperforms Synchronous NOMA. IEEE Journal on Selected Areas in Communications, 2022, 40, 1128-1145.	14.0	17
20	Unsourced Random Massive Access With Beam-Space Tree Decoding. IEEE Journal on Selected Areas in Communications, 2022, 40, 1146-1161.	14.0	12
21	Achievable Rate Upper-Bounds of Uplink Multiuser OTFS Transmissions. IEEE Wireless Communications Letters, 2022, 11, 791-795.	5.0	17
22	Edge Federated Learning via Unit-Modulus Over-The-Air Computation. IEEE Transactions on Communications, 2022, 70, 3141-3156.	7.8	16
23	Downlink Power Control for Cell-Free Massive MIMO With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 6772-6777.	6.3	19
24	A Novel ISAC Transmission Framework Based on Spatially-Spread Orthogonal Time Frequency Space Modulation. IEEE Journal on Selected Areas in Communications, 2022, 40, 1854-1872.	14.0	45
25	Dynamic Spectrum Access for D2D-Enabled Internet of Things: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2022, 9, 17793-17807.	8.7	8
26	Achieving Covertness and Security in Broadcast Channels With Finite Blocklength. IEEE Transactions on Wireless Communications, 2022, 21, 7624-7640.	9.2	20
27	Off-Grid Channel Estimation With Sparse Bayesian Learning for OTFS Systems. IEEE Transactions on Wireless Communications, 2022, 21, 7407-7426.	9.2	54
28	Data Augmentation Empowered Neural Precoding for Multiuser MIMO With MMSE Model. IEEE Communications Letters, 2022, 26, 1037-1041.	4.1	7
29	Joint Activity and Blind Information Detection for UAV-Assisted Massive IoT Access. IEEE Journal on Selected Areas in Communications, 2022, 40, 1489-1508.	14.0	11
30	Robotic Wireless Energy Transfer in Dynamic Environments: System Design and Experimental Validation. IEEE Communications Magazine, 2022, 60, 40-46.	6.1	4
31	Energy-Efficient Hybrid Beamforming for Multilayer RIS-Assisted Secure Integrated Terrestrial-Aerial Networks. IEEE Transactions on Communications, 2022, 70, 4189-4210.	7.8	37
32	Deep CSI Compression for Massive MIMO: A Self-Information Model-Driven Neural Network. IEEE Transactions on Wireless Communications, 2022, 21, 8872-8886.	9.2	12
33	Performance analysis of reconfigurable intelligent surface assisted systems under channel aging. Intelligent and Converged Networks, 2022, 3, 74-85.	4.8	6
34	Safeguarding UAV Networks through Integrated Sensing, Jamming, and Communications. , 2022, , .		7
35	Spatially Correlated Reconfigurable Intelligent Surfaces-Aided Cell-Free Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 9073-9077.	6.3	6
36	Covert Communication With Energy Replenishment Constraints in UAV Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 10143-10148.	6.3	1

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37	Learning-Based Predictive Beamforming for Integrated Sensing and Communication in Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 2317-2334.	14.0	40
38	Resource Allocation and 3D Trajectory Design for Power-Efficient IRS-Assisted UAV-NOMA Communications. IEEE Transactions on Wireless Communications, 2022, 21, 10315-10334.	9.2	14
39	Reconfigurable Intelligent Surface-Aided 6G Massive Access: Coupled Tensor Modeling and Sparse Bayesian Learning. IEEE Transactions on Wireless Communications, 2022, 21, 10145-10161.	9.2	12
40	Semi-Blind Channel Estimation for RIS-Assisted MISO Systems Using Expectation Maximization. IEEE Transactions on Vehicular Technology, 2022, 71, 10173-10178.	6.3	4
41	Security–Reliability Tradeoff Analysis for SWIPT- and AF-Based IoT Networks With Friendly Jammers. IEEE Internet of Things Journal, 2022, 9, 21662-21675.	8.7	13
42	Spatially Correlated RIS-Aided CF Massive MIMO Systems With Generalized MR Combining. IEEE Transactions on Vehicular Technology, 2022, 71, 11245-11250.	6.3	5
43	Probabilistic Accumulate-Then-Transmit in Wireless-Powered Covert Communications. IEEE Transactions on Wireless Communications, 2022, 21, 10393-10406.	9.2	3
44	Tensor Decomposition-Based Channel Estimation for Hybrid mmWave Massive MIMO in High-Mobility Scenarios. IEEE Transactions on Communications, 2022, 70, 6325-6340.	7.8	17
45	Integrating Sensing, Computing, and Communication in 6G Wireless Networks: Design and Optimization. IEEE Transactions on Communications, 2022, 70, 6212-6227.	7.8	21
46	Cascaded Channel Estimation for IRS-Assisted mmWave Multi-Antenna With Quantized Beamforming. IEEE Communications Letters, 2021, 25, 593-597.	4.1	32
47	Distributed IRS With Statistical Passive Beamforming for MISO Communications. IEEE Wireless Communications Letters, 2021, 10, 221-225.	5.0	34
48	Beamforming Optimization for IRS-Aided Communications With Transceiver Hardware Impairments. IEEE Transactions on Communications, 2021, 69, 1214-1227.	7.8	65
49	Intelligent Reflecting Surface-Aided Joint Processing Coordinated Multipoint Transmission. IEEE Transactions on Communications, 2021, 69, 1650-1665.	7.8	77
50	Cycle-Slip Detection and Correction for Carrier Phase Synchronization in Coded Systems. IEEE Communications Letters, 2021, 25, 113-116.	4.1	0
51	Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. IEEE Transactions on Signal Processing, 2021, 69, 1407-1421.	5.3	139
52	Robust and Secure Sum-Rate Maximization for Multiuser MISO Downlink Systems With Self-Sustainable IRS. IEEE Transactions on Communications, 2021, 69, 7032-7049.	7.8	111
53	Secure Transmission with Directional Modulation Based on Random Frequency Diverse Arrays. , 2021, , 29-50.		0
54	A Generalizable Model-and-Data Driven Approach for Open-Set RFF Authentication. IEEE Transactions on Information Forensics and Security, 2021, 16, 4435-4450.	6.9	42

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55	User Grouping and Reflective Beamforming for IRS-Aided URLLC. IEEE Wireless Communications Letters, 2021, 10, 2533-2537.	5.0	21
56	Channel Estimation for Semi-Passive Reconfigurable Intelligent Surfaces With Enhanced Deep Residual Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 11083-11088.	6.3	36
57	DeepBAN: A Temporal Convolution-Based Communication Framework for Dynamic WBANs. IEEE Transactions on Communications, 2021, 69, 6675-6690.	7.8	91
58	Cooperative Reflection Design With Timing Offsets in Distributed Multi-RIS Communications. IEEE Wireless Communications Letters, 2021, 10, 2379-2383.	5.0	9
59	Deep Residual Learning-Assisted Channel Estimation in Ambient Backscatter Communications. IEEE Wireless Communications Letters, 2021, 10, 339-343.	5.0	30
60	Resource Allocation for MIMO Full-Duplex Backscatter Assisted Wireless-Powered Communication Network With Finite Alphabet Inputs. IEEE Transactions on Communications, 2021, 69, 1275-1289.	7.8	6
61	Bypassing Channel Estimation for OTFS Transmission: An Integrated Sensing and Communication Solution. , 2021, , .		8
62	Bayesian Predictive Beamforming for Vehicular Networks: A Low-Overhead Joint Radar-Communication Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1442-1456.	9.2	113
63	Massive Access for 5G and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 615-637.	14.0	347
64	Guest Editorial Massive Access for 5G and Beyondâ€"Part I. IEEE Journal on Selected Areas in Communications, 2021, 39, 611-614.	14.0	2
65	On the Achievable Rates of Uplink NOMA with Asynchronized Transmission. , 2021, , .		4
66	Location-Aware Predictive Beamforming for UAV Communications: A Deep Learning Approach. IEEE Wireless Communications Letters, 2021, 10, 668-672.	5.0	31
67	Resource Allocation for Large IRS-Assisted SWIPT Systems with Non-linear Energy Harvesting Model. , 2021, , .		16
68	Deep Transfer Learning for Signal Detection in Ambient Backscatter Communications. IEEE Transactions on Wireless Communications, 2021, 20, 1624-1638.	9.2	76
69	Transmitter and Receiver Window Designs for Orthogonal Time-Frequency Space Modulation. IEEE Transactions on Communications, 2021, 69, 2207-2223.	7.8	78
70	Guest Editorial Massive Access for 5G and Beyondâ€"Part II. IEEE Journal on Selected Areas in Communications, 2021, 39, 899-902.	14.0	1
71	Hybrid Beamforming for Massive MIMO Over-the-Air Computation. IEEE Transactions on Communications, 2021, 69, 2737-2751.	7.8	32
72	Sum-Rate Maximization for IRS-Assisted UAV OFDMA Communication Systems. IEEE Transactions on Wireless Communications, 2021, 20, 2530-2550.	9.2	126

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73	Weighted Sum-Rate Maximization for Multi-IRS-Assisted Full-Duplex Systems With Hardware Impairments. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 466-481.	7.9	39
74	Resource Allocation Design for IRS-Aided Downlink MU-MISO RSMA Systems. , 2021, , .		25
75	Intelligent Reflecting Surface-Assisted Multi-Antenna Covert Communications: Joint Active and Passive Beamforming Optimization. IEEE Transactions on Communications, 2021, 69, 3984-4000.	7.8	45
76	Deep Residual Network Empowered Channel Estimation for IRS-Assisted Multi-User Communication Systems. , 2021, , .		17
77	Optimal Energy Efficiency for Multi-MEC and Blockchain Empowered IoT: a Deep Learning Approach. , 2021, , .		1
78	Terahertz Ultra-Massive MIMO-Based Aeronautical Communications in Space-Air-Ground Integrated Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1741-1767.	14.0	46
79	On the Performance of Coded OTFS Modulation over High-Mobility Channels. , 2021, , .		3
80	Multi-Objective Resource Allocation for IRS-Aided SWIPT. IEEE Wireless Communications Letters, 2021, 10, 1324-1328.	5.0	50
81	Performance Analysis and Window Design for Channel Estimation of OTFS Modulation. , 2021, , .		5
82	Optimal Transmission of Multi-Quality Tiled 360 VR Video in MIMO-OFDMA Systems. , 2021, , .		0
83	Max-Min Fair Energy-Efficient Beamforming Design for Intelligent Reflecting Surface-Aided SWIPT Systems With Non-Linear Energy Harvesting Model. IEEE Transactions on Vehicular Technology, 2021, 70, 5848-5864.	6.3	68
84	Hybrid MAP and PIC Detection for OTFS Modulation. IEEE Transactions on Vehicular Technology, 2021, 70, 7193-7198.	6.3	56
85	LEO Satellite Constellations for 5G and Beyond: How Will They Reshape Vertical Domains?. IEEE Communications Magazine, 2021, 59, 30-36.	6.1	63
86	A Minimum Error Probability NOMA Design. IEEE Transactions on Wireless Communications, 2021, 20, 4221-4237.	9.2	12
87	Energy-Efficient Precoding in Electromagnetic Exposure-Constrained Uplink Multiuser MIMO. IEEE Transactions on Vehicular Technology, 2021, 70, 7226-7231.	6.3	6
88	Robust Energy-Efficient Transmission for Wireless-Powered D2D Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7951-7965.	6.3	14
89	Power-Efficient Wireless Streaming of Multi-Quality Tiled 360 VR Video in MIMO-OFDMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 5408-5422.	9.2	16
90	IRS-Assisted Green Communication Systems: Provable Convergence and Robust Optimization. IEEE Transactions on Communications, 2021, 69, 6313-6329.	7.8	52

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91	Data-Aided Channel Estimation for OTFS Systems With a Superimposed Pilot and Data Transmission Scheme. IEEE Wireless Communications Letters, 2021, 10, 1954-1958.	5.0	74
92	Energy Efficiency Maximization in the Uplink Delta-OMA Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9566-9571.	6.3	10
93	Reconfigurable Intelligent Surfaces-Assisted Multiuser MIMO Uplink Transmission With Partial CSI. IEEE Transactions on Wireless Communications, 2021, 20, 5613-5627.	9.2	46
94	Performance Analysis of Coded OTFS Systems Over High-Mobility Channels. IEEE Transactions on Wireless Communications, 2021, 20, 6033-6048.	9.2	83
95	Guest Editorial Special Issue on UAV Communications in 5G and Beyond Networksâ€"Part I. IEEE Journal on Selected Areas in Communications, 2021, 39, 2907-2911.	14.0	2
96	A Comprehensive Overview on 5G-and-Beyond Networks With UAVs: From Communications to Sensing and Intelligence. IEEE Journal on Selected Areas in Communications, 2021, 39, 2912-2945.	14.0	202
97	Multiple UAV-Borne IRS-Aided Millimeter Wave Multicast Communications: A Joint Optimization Framework. IEEE Communications Letters, 2021, 25, 3674-3678.	4.1	19
98	Physical Layer Security Enhancement With Reconfigurable Intelligent Surface-Aided Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 3480-3495.	6.9	50
99	Intelligent Reflecting Surface-Aided Secure Broadcasting in Millimeter Wave Symbiotic Radio Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 11050-11055.	6.3	17
100	Integrated Sensing and Communication-Assisted Orthogonal Time Frequency Space Transmission for Vehicular Networks. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1515-1528.	10.8	103
101	Guest Editorial Special Issue on UAV Communications in 5G and Beyond Networksâ€"Part II. IEEE Journal on Selected Areas in Communications, 2021, 39, 3247-3251.	14.0	0
102	Three-Dimensional Placement and Transmit Power Design for UAV Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 13424-13429.	6.3	23
103	Design of Massive Unsourced Random Access over Rician Channels. , 2021, , .		1
104	Joint Transceiver and Passive Beamforming Optimization for RIS-Assisted MIMO Systems. , 2021, , .		0
105	Deep Learning-Empowered Predictive Beamforming for IRS-Assisted Multi-User Communications. , 2021, , .		8
106	Resource Allocation for Active IRS-Assisted Multiuser Communication Systems. , 2021, , .		33
107	On the Secrecy Rate under Statistical QoS Provisioning for RIS-assisted MISO Wiretap Channel. , 2021, , .		3
108	Optimal Joint Beamforming and Jamming Design for Secure and Covert URLLC. , 2021, , .		4

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109	Unit-Modulus Wireless Federated Learning Via Penalty Alternating Minimization. , 2021, , .		1
110	Smart and Reconfigurable Wireless Communications: From IRS Modeling to Algorithm Design. IEEE Wireless Communications, 2021, 28, 118-125.	9.0	75
111	Secrecy Outage Probability Analysis for Downlink Untrusted NOMA Under Practical SIC Error. , 2021, , .		2
112	Performance Trade-Off in UAV-Aided Wireless-Powered Communication Networks via Multi-Objective Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 13430-13435.	6.3	9
113	Joint Transmit Power and Reflection Beamforming Design for IRS-Aided Covert Communications. , 2021, , .		4
114	A Bayesian Tensor Approach to Enable RIS for 6G Massive Unsourced Random Access. , 2021, , .		8
115	Secrecy Outage-Constrained Robust Resource Allocation Design for MU-MISO RSMA Systems. , 2021, , .		1
116	Antenna Selection Strategy for Energy Efficiency Maximization in Uplink OFDMA Networks: A Multi-Objective Approach. IEEE Transactions on Wireless Communications, 2020, 19, 595-609.	9.2	33
117	Conditional Capacity and Transmit Signal Design for SWIPT Systems With Multiple Nonlinear Energy Harvesting Receivers. IEEE Transactions on Communications, 2020, 68, 582-601.	7.8	22
118	On the Performance Gain of NOMA Over OMA in Uplink Communication Systems. IEEE Transactions on Communications, 2020, 68, 536-568.	7.8	153
119	Secure Communication for Spatially Sparse Millimeter-Wave Massive MIMO Channels via Hybrid Precoding. IEEE Transactions on Communications, 2020, 68, 887-901.	7.8	29
120	Robust Beamforming for NOMA-Based Cellular Massive IoT With SWIPT. IEEE Transactions on Signal Processing, 2020, 68, 211-224.	5.3	61
121	Joint Data and Active User Detection for Grant-free FTN-NOMA in Dynamic Networks. , 2020, , .		3
122	Energy Efficiency in Secure IRS-Aided SWIPT. IEEE Wireless Communications Letters, 2020, 9, 1884-1888.	5.0	76
123	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	14.0	435
124	Physical Layer Security of Vehicular Networks: A Stochastic Geometry Approach. , 2020, , .		2
125	Max-Min Energy Balance in Wireless-Powered Hierarchical Fog-Cloud Computing Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7064-7080.	9.2	33
126	NOMA-Based Cell-Free Massive MIMO Over Spatially Correlated Rician Fading Channels. , 2020, , .		9

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127	Learning-Based Predictive Beamforming for UAV Communications With Jittering. IEEE Wireless Communications Letters, 2020, 9, 1970-1974.	5.0	44
128	Resource Allocation for Power-Efficient IRS-Assisted UAV Communications. , 2020, , .		42
129	A New Frequency Hopping-Aided Secure Communication in the Presence of an Adversary Jammer and an Untrusted Relay. , 2020, , .		18
130	Joint Channel Estimation and Equalization for Index-Modulated Spectrally Efficient Frequency Division Multiplexing Systems. IEEE Transactions on Communications, 2020, 68, 6230-6244.	7.8	15
131	Robust Secure Resource Allocation for Downlink Two-User MISO Rate-Splitting Systems. , 2020, , .		6
132	Robust Secure Beamforming Design for Two-User Downlink MISO Rate-Splitting Systems. IEEE Transactions on Wireless Communications, 2020, 19, 8351-8365.	9.2	49
133	Resource Allocation for IRS-Assisted Full-Duplex Cognitive Radio Systems. IEEE Transactions on Communications, 2020, 68, 7376-7394.	7.8	162
134	Performance Trade-off Between Uplink and Downlink in Full-Duplex Communications. , 2020, , .		9
135	Robust Chance-Constrained Trajectory and Transmit Power Optimization for UAV-Enabled CR Networks. , 2020, , .		2
136	Reconfigurable Intelligent Surfaces Assisted MIMO-MAC with Partial CSI. , 2020, , .		5
137	Beamforming Design for Secure MISO Visible Light Communication Networks With SLIPT. IEEE Transactions on Communications, 2020, 68, 7795-7809.	7.8	26
138	Guest Editorial Special Issue on Multiple Antenna Technologies for Beyond 5G-Part—I. IEEE Journal on Selected Areas in Communications, 2020, 38, 1633-1636.	14.0	5
139	On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. IEEE Transactions on Vehicular Technology, 2020, 69, 11152-11168.	6.3	6
140	Energy-Constrained UAV-Assisted Secure Communications With Position Optimization and Cooperative Jamming. IEEE Transactions on Communications, 2020, 68, 4476-4489.	7.8	72
141	Receive Antenna Selection Under Discrete Inputs: Approximation and Applications. IEEE Transactions on Communications, 2020, 68, 2634-2647.	7.8	13
142	A Simple Variational Bayes Detector for Orthogonal Time Frequency Space (OTFS) Modulation. IEEE Transactions on Vehicular Technology, 2020, 69, 7976-7980.	6.3	127
143	Dual-Hop Relaying Communications Over Fisher-Snedecor F-Fading Channels. IEEE Transactions on Communications, 2020, 68, 2695-2710.	7.8	26
144	Prospective Multiple Antenna Technologies for Beyond 5G. IEEE Journal on Selected Areas in Communications, 2020, 38, 1637-1660.	14.0	460

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145	Guest Editorial Special Issue on Multiple Antenna Technologies for Beyond 5G-Part II. IEEE Journal on Selected Areas in Communications, 2020, 38, 1941-1944.	14.0	7
146	Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 9750-9766.	6.3	10
147	Outage Probability of Cooperative NOMA Networks Under Imperfect CSI With User Selection. IEEE Access, 2020, 8, 117921-117931.	4.2	10
148	Time-Domain vs. Frequency-Domain Equalization for FTN Signaling. IEEE Transactions on Vehicular Technology, 2020, 69, 9174-9179.	6.3	30
149	Secrecy Performance for Finite-Alphabet Inputs Over Fluctuating Two-Ray Channels in FDA Communications. IEEE Wireless Communications Letters, 2020, 9, 1638-1642.	5.0	7
150	Design, Analysis, and Optimization of a Large Intelligent Reflecting Surface-Aided B5G Cellular Internet of Things. IEEE Internet of Things Journal, 2020, 7, 8902-8916.	8.7	61
151	Robust Trajectory and Transmit Power Optimization for Secure UAV-Enabled Cognitive Radio Networks. IEEE Transactions on Communications, 2020, 68, 4022-4034.	7.8	56
152	Joint Trajectory and Resource Allocation Design for Energy-Efficient Secure UAV Communication Systems. IEEE Transactions on Communications, 2020, 68, 4536-4553.	7.8	153
153	Jamming-Resilient Frequency Hopping-Aided Secure Communication for Internet-of-Things in the Presence of an Untrusted Relay. IEEE Transactions on Wireless Communications, 2020, 19, 6771-6785.	9.2	41
154	Energy and Spectral Efficiency Tradeoff in OFDMA Networks via Antenna Selection Strategy. , 2020, , .		8
155	Iterative Joint Channel Estimation, User Activity Tracking, and Data Detection for FTN-NOMA Systems Supporting Random Access. IEEE Transactions on Communications, 2020, 68, 2963-2977.	7.8	49
156	Physical-Layer Security in the Finite Blocklength Regime Over Fading Channels. IEEE Transactions on Wireless Communications, 2020, 19, 3405-3420.	9.2	18
157	Multiuser MISO UAV Communications in Uncertain Environments With No-Fly Zones: Robust Trajectory and Resource Allocation Design. IEEE Transactions on Communications, 2020, 68, 3153-3172.	7.8	111
158	Joint User Association and Resource Allocation in the Uplink of Heterogeneous Networks. IEEE Wireless Communications Letters, 2020, 9, 804-808.	5.0	45
159	Resource Allocation for Secure Multi-UAV Communication Systems With Multi-Eavesdropper. IEEE Transactions on Communications, 2020, 68, 4490-4506.	7.8	45
160	Energy-Efficient Buffer-Aided Relaying Systems With Opportunistic Spectrum Access. IEEE Transactions on Green Communications and Networking, 2020, 4, 731-744.	5.5	4
161	Distributed Estimation Framework for Beyond 5G Intelligent Vehicular Networks. IEEE Open Journal of Vehicular Technology, 2020, 1, 190-214.	4.9	19
162	Sum-Rate Maximization for IRS-Assisted UAV OFDMA Communication Systems. , 2020, , .		14

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163	Multi-Objective Optimization for Secure Full-Duplex Wireless Communication Systems. , 2020, , 275-298.		0
164	Deep Transfer Learning-Assisted Signal Detection for Ambient Backscatter Communications. , 2020, , .		3
165	Covariance-Based Cooperative Activity Detection for Massive Grant-Free Random Access. , 2020, , .		2
166	Physical Layer Secrecy and Transmission Resiliency of Device-to-Device Communications. , 2020, , .		11
167	Joint Analog Beamforming and Jamming Optimization for Covert Millimeter Wave Communications. , 2020, , .		3
168	Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Systems. , 2020, , .		7
169	Parametric Message-Passing for Joint Localization and Synchronization in Cooperative Networks. , 2020, , .		1
170	Cooperative Activity Detection: Sourced and Unsourced Massive Random Access Paradigms. IEEE Transactions on Signal Processing, 2020, 68, 6578-6593.	5.3	33
171	Joint Radar-Communication-Based Bayesian Predictive Beamforming for Vehicular Networks. , 2020, , .		5
172	Deep Learning-Based Joint Activity Detection and Channel Estimation for Massive Access: When More Antennas Meet Fewer Pilots. , 2020, , .		2
173	On the Design of Multiple-Antenna Non-Orthogonal Multiple Access. , 2019, , 229-256.		2
174	Robust Trajectory and Resource Allocation Design for Secure UAV-Aided Communications. , 2019, , .		12
175	Design of Beamspace Massive Access for Cellular Internet-of-Things. , 2019, , .		1
176	A Novel Performance Tradeoff in Heterogeneous Networks: A Multi-Objective Approach. IEEE Wireless Communications Letters, 2019, 8, 1402-1405.	5.0	11
177	On the Power Leakage Problem in Millimeter-Wave Massive MIMO With Lens Antenna Arrays. IEEE Transactions on Signal Processing, 2019, 67, 4730-4744.	5.3	38
178	Generalized Wireless-Powered Communications: When to Activate Wireless Power Transfer?. IEEE Transactions on Vehicular Technology, 2019, 68, 8243-8248.	6.3	25
179	Energy-Efficient Resource Allocation for Secure UAV Communication Systems. , 2019, , .		30
180	Physical Layer Security in UAV Systems: Challenges and Opportunities. IEEE Wireless Communications, 2019, 26, 40-47.	9.0	176

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181	Resource Allocation for Wireless-Powered Full-Duplex Relaying Systems With Nonlinear Energy Harvesting Efficiency. IEEE Transactions on Vehicular Technology, 2019, 68, 12079-12093.	6.3	26
182	A Distributed Multi-RF Chain Hybrid mmWave Scheme for Small-Cell Systems. , 2019, , .		3
183	Low-Cost Design of Massive Access for Cellular Internet of Things. IEEE Transactions on Communications, 2019, 67, 8008-8020.	7.8	22
184	Optimal Online Transmission Policy for Energy-Constrained Wireless-Powered Communication Networks. , 2019, , .		0
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