Jinkyu

List of Publications by Year
in descending order

107 papers	1,622 citations	516215 16 h-index	344852 36 g-index
108 all docs	108 docs citations	108 times ranked	1907 citing authors

#	Article	IF	Citations
1	Mobile Edge Computing via a UAV-Mounted Cloudlet: Optimization of Bit Allocation and Path Planning. IEEE Transactions on Vehicular Technology, 2018, 67, 2049-2063.	3.9	597
2	Wireless Federated Distillation for Distributed Edge Learning with Heterogeneous Data. , 2019, , .		62
3	Mobile cloud computing with a UAVâ€mounted cloudlet: optimal bit allocation for communication and computation. IET Communications, 2017, 11, 969-974.	1.5	60
4	Learning to Demodulate From Few Pilots via Offline and Online Meta-Learning. IEEE Transactions on Signal Processing, 2021, 69, 226-239.	3.2	54
5	Joint Signal and Channel State Information Compression for the Backhaul of Uplink Network MIMO Systems. IEEE Transactions on Wireless Communications, 2014, 13, 1555-1567.	6.1	47
6	From Learning to Meta-Learning: Reduced Training Overhead and Complexity for Communication Systems. , 2020, , .		42
7	Fronthaul Compression and Precoding Design for C-RANs Over Ergodic Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 5022-5032.	3.9	41
8	Secrecy-Aware Altitude Optimization for Quasi-Static UAV Base Station Without Eavesdropper Location Information. IEEE Communications Letters, 2019, 23, 851-854.	2.5	39
9	On the Trade-Off Between Computational Load and Reliability for Network Function Virtualization. IEEE Communications Letters, 2017, 21, 1767-1770.	2.5	32
10	Meta-Learning to Communicate: Fast End-to-End Training for Fading Channels. , 2020, , .		30
11	On the Feasibility of Full-Duplex Large-Scale MIMO Cellular Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6231-6250.	6.1	27
12	Coded Federated Computing in Wireless Networks with Straggling Devices and Imperfect CSI. , 2019, , .		21
13	End-to-End Fast Training of Communication Links Without a Channel Model via Online Meta-Learning. , 2020, , .		20
14	Detection Schemes for ATSC 3.0 Transmitter Identification in Single Frequency Network. IEEE Transactions on Broadcasting, 2020, 66, 229-240.	2.5	19
15	Energy-Efficient 3-D Placement of an Unmanned Aerial Vehicle Base Station With Antenna Tilting. IEEE Communications Letters, 2020, 24, 1323-1327.	2.5	18
16	Efficient S-SCH Detection Algorithm for LTE Downlink Channel. IEEE Transactions on Vehicular Technology, 2014, 63, 2969-2973.	3.9	17
17	Joint Transmit Power and Time-Switching Control for Device-to-Device Communications in SWIPT Cellular Networks. IEEE Communications Letters, 2019, 23, 322-325.	2.5	17
18	Cooperation Between LDM-Based Terrestrial Broadcast and Broadband Unicast: On Scalable Video Streaming Applications. IEEE Transactions on Broadcasting, 2021, 67, 2-22.	2.5	17

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19	HARQ Buffer Management: An Information-Theoretic View. IEEE Transactions on Communications, 2015, 63, 4539-4550.	4.9	16
20	Multivariate Fronthaul Quantization for Downlink C-RAN. IEEE Transactions on Signal Processing, 2016, 64, 5025-5037.	3.2	16
21	Layered Downlink Precoding for C-RAN Systems With Full Dimensional MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 2170-2182.	3.9	16
22	Black blood myocardial T_2 mapping. Magnetic Resonance in Medicine, 2019, 81, 153-166.	1.9	16
23	Adaptive Power Control for D2D Communications in Downlink SWIPT Networks With Partial CSI. IEEE Wireless Communications Letters, 2019, 8, 1333-1336.	3.2	16
24	Optimization of Massive Full-Dimensional MIMO for Positioning and Communication. IEEE Transactions on Wireless Communications, 2018, 17, 6205-6217.	6.1	15
25	Orthogonal Pulse Design in Consideration of FCC and IEEE 802.15.4a Constraints. IEEE Communications Letters, 2013, 17, 896-899.	2.5	14
26	Learning How to Demodulate from Few Pilots via Meta-Learning. , 2019, , .		14
27	Combined ML and DFE Decoding for Coded Double STBC-OFDM System. IEEE Communications Letters, 2010, 14, 1164-1166.	2.5	13
28	Cognitive beamforming based smart metering for coexistence with wireless local area networks. Journal of Communications and Networks, 2012, 14, 619-628.	1.8	13
29	Fundamental Limits of TOA/DOA and Inertial Measurement Unit-Based Wireless Capsule Endoscopy Hybrid Localization. International Journal of Wireless Information Networks, 2017, 24, 169-179.	1.8	12
30	Control-Data Separation With Decentralized Edge Control in Fog-Assisted Uplink Communications. IEEE Transactions on Wireless Communications, 2018, 17, 3686-3696.	6.1	12
31	Performance Evaluation of Space-Time Block Codes from Coordinate Interleaved Orthogonal Designs in Shadowed Fading Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 1289-1295.	3.9	11
32	Identification of Non-Ideal Receiver Condition for Orbital Angular Momentum Transmission. , 2014, , .		11
33	Joint TOA/AOA-based localization in wireless sensor networks. , 2014, , .		11
34	Integrated motion correction and dictionary learning for free‑breathing myocardial T_1 mapping. Magnetic Resonance in Medicine, 2019, 81, 2644-2654.	1.9	11
35	Converged Distribution of 5G Media: Opportunities of Overlaid Broadcast and Emerging Applications Over Dual Connectivity. IEEE Transactions on Broadcasting, 2022, 68, 501-516.	2.5	11
36	Cooperative UAV Jammer for Enhancing Physical Layer Security: Robust Design for Jamming Power and Trajectory. , 2019, , .		10

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37	Fronthaul Compression and Precoding Optimization for NOMA-Based Joint Transmission of Broadcast and Unicast Services in C-RAN. IEEE Transactions on Broadcasting, 2020, 66, 786-799.	2.5	10
38	Secure Transmission in Downlink Cellular Network with a Cooperative Jammer. IEEE Wireless Communications Letters, 2013, 2, 463-466.	3.2	9
39	Design of user clustering and precoding for downlink non-orthogonal multiple access (NOMA). , 2015, , .		9
40	Joint Resource Allocation for Throughput Enhancement in Cognitive Radio Femtocell Networks. IEEE Wireless Communications Letters, 2015, 4, 181-184.	3.2	9
41	Positioning via direct localisation in Câ€RAN systems. IET Communications, 2016, 10, 2238-2244.	1.5	9
42	Optimization of multistatic cloud radar with multiple-access wireless backhaul. , 2015, , .		8
43	Multistatic cloud radar systems: joint sensing and communication design. Transactions on Emerging Telecommunications Technologies, 2016, 27, 716-730.	2.6	8
44	Optimal Fronthaul Quantization for Cloud Radio Positioning. IEEE Transactions on Vehicular Technology, 2016, 65, 2763-2768.	3.9	8
45	Performance Analysis of a Dual-Hop Relay With STBC-CIOD over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 439-444.	3.9	7
46	Effect of Generalized-K Fading on the Performance of Symmetric Coordinate Interleaved Orthogonal Designs. IEEE Communications Letters, 2014, 18, 588-591.	2.5	7
47	Cooperative spectrum sensing in non-time-slotted full duplex cognitive radio networks. , 2016, , .		7
48	CoSMoS: Cooperative Sky-Ground Mobile Edge Computing System. IEEE Transactions on Vehicular Technology, 2021, 70, 8373-8377.	3.9	7
49	Minimizing transmit power for cooperative multicell system with massive MIMO. , 2013, , .		6
50	Non-Cooperative Feedback Control Game for Secondary Transmitter in Cognitive Radio Network. IEEE Signal Processing Letters, 2013, 20, 571-574.	2.1	6
51	Secure beamforming and self-energy recycling with full-duplex wireless-powered relay. , 2016, , .		6
52	Multivariate fronthaul quantization for C-RAN downlink: Channel-adaptive joint quantization in the cloud. , 2016, , .		6
53	Comments on â€œNear-Body Shadowing Analysis at 60 GHzâ€. IEEE Transactions on Antennas and Propagation, 2017, 65, 3314-3314.	3.1	6
54	Wireless Map-Reduce Distributed Computing with Full-Duplex Radios and Imperfect CSI. , 2019, , .		6

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55	Forget-SVGD: Particle-Based Bayesian Federated Unlearning. , 2022, , .		6
56	Enhancing physical-layer security in MISO wiretap channel with pilot-assisted channel estimation: Beamforming design for pilot jamming. , 2016, , .		5
57	Cooperation Strategies for Partly Wireless C-RAN. IEEE Communications Letters, 2018, 22, 1248-1251.	2.5	5
58	Generalized MGF of Inverse Gaussian Distribution With Applications to Wireless Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 2332-2336.	3.9	5
59	Outage-Optimal and Suboptimal Power Control for D2D Communications in SWIPT Cellular Networks With Local CSI. IEEE Wireless Communications Letters, 2020, 9, 1795-1798.	3.2	5
60	Performance analysis of DSSSâ€•and CSSâ€•based physical layer for IoT transmission over LEO satellites. ETRI Journal, 2022, 44, 543-559.	1.2	5
61	Joint Frame/Frequency Synchronization and Channel Estimation for Single-Carrier FDE 60 GHz WPAN System. , 2010, , .		4
62	On the Error Rate Performance and Asymptotic Diversity Order of Multi-Hop Two-Antenna Decode-and-Forward Relay Systems with STBC-CIOD over Rayleigh Fading Channels. IEEE Communications Letters, 2013, 17, 1077-1080.	2.5	4
63	Beamforming design for joint localization and data transmission in distributed antenna systems. , 2013, , .		3
64	Error performance analysis of STBCâ€•Alamouti and STBCâ€•CIOD with phase estimation error over Nakagamiâ€•m fading channels. Electronics Letters, 2016, 52, 452-454.	0.5	3
65	Joint Design of Precoder and Backhaul Quantizer in Cooperative Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 1871-1875.	3.9	3
66	Control-Data Separation across Edge and Cloud for Uplink Communications in C-RAN. , 2017, , .		3
67	Dual Polarized UCA-Based OAM Multi-Mode Transmission with Inter-Mode Spreading. , 2018, , .		3
68	A Study on Probabilistic Line-of-Sight Air-to-Ground Channel Models. , 2019, , .		3
69	Adversarial, yet Friendly Signal Design for Secured Wireless Communication. , 2021, , .		3
70	A per-stream coded bit loading algorithm for MIMO BIC-OFDM systems. , 2010, , .		2
71	Adaptive Cooperative Spectrum-Sensing Scheme for Cognitive Radio System. , 2010, , .		2
72	Joint signal and channel state information compression for uplink network MIMO systems. , 2013, , .		2

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73	Joint precoding and fronthaul optimization for C-RANs in ergodic fading channels. , 2015, , .		2
74	5G K-Simulator: Link Level Simulator for 5G. , 2018, , .		2
75	Comprehensive Analysis of the Impact of TWDP Fading on the Achievable Error Rate Performance of BPSK Signaling. IEICE Transactions on Communications, 2018, E101.B, 500-507.	0.4	2
76	Secure Transmission via Lens Antenna Array in Millimeter Wave MISO Systems. , 2019, , .		2
77	Pilot and Data Power Allocation in Poisson Interference Field With Protected Zone for Physical-Layer Security. IEEE Wireless Communications Letters, 2021, 10, 271-275.	3.2	2
78	Wireless Positioning System Architecture for Terrestrial Broadcast-Broadband-Convergent Networks. , 2021, , .		2
79	Performance Evaluation of Data Transmission for Non-Terrestrial Networks. , 2020, , .		2
80	Green communication network: Large antenna arrays with linear precoders. , 2011, , .		1
81	Quantization bit allocation for reporting-throughput tradeoff in cooperative cognitive radio networks. , 2015, , .		1
82	ATSC 3.0 LDM/TDM performance comparison in fixed reception environment. , 2017, , .		1
83	Gâ€MGF based performance analysis of coherent FSO systems with multiple receivers. Electronics Letters, 2021, 57, 273-275.	0.5	1
84	Asymptotic Performance Analysis of STBCs from Coordinate Interleaved Orthogonal Designs in Shadowed Rayleigh Fading Channels. IEICE Transactions on Communications, 2012, E95.B, 2501-2504.	0.4	1
85	On the benefit of interâ€operator cooperation in Câ€RAN. IET Communications, 2021, 15, 191-199.	1.5	1
86	Bayesian Variational Federated Learning and Unlearning in Decentralized Networks. , 2021, , .		1
87	A Novel Method of Limited Channel Feedback for OFDMA Systems. , 2009, , .		0
88	Packet transmission utilizing single-carrier FDE technique in a modified CDMA2000 based cellular system. , 2010, , .		0
89	Multiuser MIMO Downlink with Linear Precoding for Full Multiplexing Gain. , 2010, , .		0
90	A ML/DFE and iterative spatial interference cancellation for 2&#x00D7;2 BICM MIMO system. , 2011, , .		0

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91	Correction to "On the Error Rate Performance and Asymptotic Diversity Order of Multi-Hop Two-Antenna Decode-and-Forward Relay Systems with STBC-CIOD over Rayleigh Fading Channels" [Jun 13 1077-1080]. IEEE Communications Letters, 2013, 17, 1487-1487.	2.5	0
92	Deployment Challenges for Large-Scale MIMO Communications. International Journal of Antennas and Propagation, 2014, 2014, 1-3.	0.7	0
93	Non-cooperative feedback control game under a sum feedback-rate constraint in MIMO broadcast channels. , 2014, , .		0
94	Energy efficiency analysis of downlink CoMP in heterogeneous network considering fronthaul power consumption. , 2015, , .		0
95	Advanced layered division multiplexing scheme with non-uniform constellation. , 2016, , .		0
96	Achievable Error Rate Performance Analysis of Space Shift Keying Systems with Imperfect CSI. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1084-1087.	0.2	0
97	Accurate Error Probability Analysis of MCIK-OFDM with a Low-Complexity Detection over TWDP Fading Channels. IEICE Transactions on Communications, 2018, E101.B, 1347-1351.	0.4	0
98	Cell Range Expansion with Geometric Information of Pico-Cell in Heterogeneous Networks. , 2018, , .		0
99	A Novel Ergodic Capacity Formula for Two-Wave with Diffuse Power Fading Channels. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 978-981.	0.2	0
100	Detection Performance of ATSC 3.0 TxID in Multiple-Transmitter Environments. , 2019, , .		0
101	Accurate BER Approximation for SIM with BPSK and Multiple Transmit Apertures over Strong Atmospheric Turbulence. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, , .	0.2	0
102	Tight Upper Bound on the Bit Error Rate of Convolutional Codes over Correlated Nakagami-m Fading Channels. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1080-1083.	0.2	0
103	Improved Closed-Form Bounds on Interference Distribution and Applications for Tractable Analysis in Cellular Networks. IEEE Transactions on Communications, 2021, 69, 6281-6295.	4.9	0
104	A Reduced Complexity Linear QC-LDPC Encoding with Parity Vector Correction Technique. IEICE Transactions on Communications, 2012, E95.B, 1402-1405.	0.4	0
105	Error Rate Performance Analysis of M-ary Coherent FSO Communications with Spatial Diversity in Strong Atmospheric Turbulence. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, , .	0.2	0
106	On the Calculation of the G-MGF for Two-Ray Fading Model with Its Applications in Communications. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 1308-1311.	0.2	0
107	Gradient Compression via Count-Sketch for Analog Federated Learning. , 2021, , .		0