Hua Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4148443/publications.pdf

Version: 2024-02-01

100	1,045	430442	454577
papers	citations	18	30
		h-index	g-index

100	100	100	1148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GMD-Based Hybrid Beamforming for Large Reconfigurable Intelligent Surface Assisted Millimeter-Wave Massive MIMO. IEEE Access, 2020, 8, 19530-19539.	2.6	103
2	Cooperative Joint Localization and Clock Synchronization Based on Gaussian Message Passing in Asynchronous Wireless Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7258-7273.	3.9	80
3	Transmit Antenna Selection in MIMO Wiretap Channels: A Machine Learning Approach. IEEE Wireless Communications Letters, 2018, 7, 634-637.	3.2	78
4	Closed-Loop Sparse Channel Estimation for Wideband Millimeter-Wave Full-Dimensional MIMO Systems. IEEE Transactions on Communications, 2019, 67, 8329-8345.	4.9	65
5	2D Unitary ESPRIT Based Super-Resolution Channel Estimation for Millimeter-Wave Massive MIMO With Hybrid Precoding. IEEE Access, 2017, 5, 24747-24757.	2.6	61
6	Frequency-Domain Joint Channel Estimation and Decoding for Faster-Than-Nyquist Signaling. IEEE Transactions on Communications, 2018, 66, 781-795.	4.9	61
7	A Multi-Layer Cluster Based Energy Efficient Routing Scheme for UWSNs. IEEE Access, 2019, 7, 77398-77410.	2.6	59
8	Terahertz Ultra-Massive MIMO-Based Aeronautical Communications in Space-Air-Ground Integrated Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1741-1767.	9.7	46
9	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6331-6346.	6.1	37
10	Variational Inference-Based Frequency-Domain Equalization for Faster-Than-Nyquist Signaling in Doubly Selective Channels. IEEE Signal Processing Letters, 2016, 23, 1270-1274.	2.1	32
11	Digital Predistortion of Wideband Power Amplifier With Single Undersampling ADC. IEEE Microwave and Wireless Components Letters, 2017, 27, 1016-1018.	2.0	29
12	Learning-Based Wireless Powered Secure Transmission. IEEE Wireless Communications Letters, 2019, 8, 600-603.	3.2	23
13	Orthogonal Time Frequency Space (OTFS) With Dual-Mode Index Modulation. IEEE Wireless Communications Letters, 2021, 10, 991-995.	3.2	22
14	A Performance Limit of TOA-Based Location-Aware Wireless Networks With Ranging Outliers. IEEE Communications Letters, 2015, 19, 1414-1417.	2.5	20
15	Analysis of Average Packet Loss Rate in Multi-Hop Broadcast for VANETs. IEEE Communications Letters, 2018, 22, 157-160.	2.5	20
16	Frequency-Domain Iterative Message Passing Receiver for Faster-Than-Nyquist Signaling in Doubly Selective Channels. IEEE Wireless Communications Letters, 2016, 5, 584-587.	3.2	19
17	Performance Analysis of Code-Aided Symbol Timing Recovery on AWGN Channels. IEEE Transactions on Communications, 2011, 59, 1975-1984.	4.9	18
18	Expectationâ€maximisationâ€based localisation using anchors with uncertainties in wireless sensor networks. IET Communications, 2014, 8, 1977-1987.	1.5	18

#	Article	IF	Citations
19	On the Performance Limits of Cooperative Localization in Wireless Sensor Networks With Strong Sensor Position Uncertainty. IEEE Communications Letters, 2017, 21, 1613-1616.	2.5	16
20	Robust THP Design for Energy Efficiency of Multibeam Satellite Systems with Imperfect CSI. IEEE Communications Letters, 2020, 24, 428-432.	2.5	13
21	Factor Graph Based Message Passing Algorithms for Joint Phase-Noise Estimation and Decoding in OFDM-IM. IEEE Transactions on Communications, 2020, 68, 2906-2921.	4.9	12
22	Model Identification for Digital Predistortion of Power Amplifier With Signed Regressor Algorithm. IEEE Microwave and Wireless Components Letters, 2018, 28, 921-923.	2.0	11
23	Distributed cooperative localization based on Gaussian message passing on factor graph in wireless networks. Science China Information Sciences, 2015, 58, 1-15.	2.7	9
24	A factor graph-based iterative detection of faster-than-Nyquist signaling in the presence of phase noise and carrier frequency offset. , 2017, 63, 25-34.		9
25	Cooperative Detection-Assisted Localization in Wireless Networks in the Presence of Ranging Outliers. IEEE Transactions on Communications, 2017, 65, 5165-5179.	4.9	9
26	Time Domain Multiplexed LoRa Modulation Waveform Design for IoT Communication. IEEE Communications Letters, 2022, 26, 838-842.	2.5	9
27	A Dual-Mode Index Modulation Scheme With Gray-Coded Pairwise Index Mapping. IEEE Communications Letters, 2018, 22, 1580-1583.	2.5	8
28	Wideband Hybrid Precoding for Next-Generation Backhaul/Fronthaul Based on mmWave FD-MIMO. , 2018, , .		7
29	Adaptive hierarchical coding and modulation scheme over satellite channels. IET Communications, 2019, 13, 2834-2839.	1.5	7
30	BD-UCD-Based Nonlinear Hybrid Precoding for Millimeter Wave Massive Multiuser MIMO Systems. IEEE Communications Letters, 2021, 25, 1010-1014.	2.5	7
31	Iterative Learning Control Assisted Neural Network for Digital Predistortion of MIMO Power Amplifier. , 2018, , .		6
32	Joint relay and jammer selection for secure cooperative networks with a fullâ€duplex active eavesdropper. IET Communications, 2020, 14, 1043-1055.	1.5	6
33	Turbo Equalization Based on a Combined VMP-BP Algorithm for Nonlinear Satellite Channels. IEEE Access, 2018, 6, 35492-35500.	2.6	6
34	Group-Based CSS Modulation: A Novel Enhancement to LoRa Physical Layer. IEEE Wireless Communications Letters, 2022, 11, 660-664.	3.2	6
35	A context-aware MAC protocol in VANET based on Bayesian Networks. , 2014, , .		5
36	Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2015, , .		5

#	Article	IF	Citations
37	Joint synchronization and localization based on Gaussian belief propagation in sensor networks. , 2015, , .		5
38	Joint channel estimation and decoding in the presence of phase noise over timeâ€selective flatâ€fading channels. IET Communications, 2016, 10, 577-585.	1.5	5
39	Design and performance evaluation of feedback phase recovery for M-PSK signals. , 2009, , .		4
40	Low Complexity SNR Estimation for Linear Modulations on AWGN Channel. , 2012, , .		4
41	Performance Analysis and Optimization of Non-Data-Aided Carrier Frequency Estimator for APSK Signals. IEICE Transactions on Communications, 2012, E95.B, 2080-2086.	0.4	4
42	Nodes localization with inaccurate anchors via EM algorithm in wireless sensor networks. , 2014, , .		4
43	Factor graph approach for joint passive localization and receiver synchronization in wireless sensor networks. , 2016, , .		4
44	Joint localization and cooperative detection in location-aware wireless networks in the presence of ranging outliers. , 2016, , .		4
45	Design and Performance Evaluation of Feedforward Timing Estimator for M-PSK Signals. , 2009, , .		3
46	Extension to Gardner timing error detector for QPSK signals. , 2010, , .		3
47	Evaluation of Cramer-Rao Bounds for Phase Estimation of Coded Linearly Modulated Signals. , 2014, , .		3
48	Gaussian message-based cooperative localization on factor graph in wireless sensor networks. , 2014, , .		3
49	LMMSE based turbo equalization for nonlinear memory channel. , 2016, , .		3
50	Code-Aided Joint Carrier Phase Estimation and Ambiguity Resolution for APSK Signals. , 2016, , .		3
51	Joint Phase Noise Estimation and Iterative Detection of Faster-than-Nyquist Signaling Based on Factor Graph. , 2017, , .		3
52	Training-Based Hybrid Precoding Scheme for Multiuser Massive MIMO-OFDM. IEEE Communications Letters, 2021, 25, 3729-3732.	2.5	3
53	Design and implementation of Ethernet and E1 protocol convertor. , 2010, , .		2
54	Design and Analysis of Data-Aided Coarse Carrier Frequency Recovery in DVB-S2. , 2010, , .		2

#	Article	IF	Citations
55	Performance evaluation of different detectors for frame synchronization in DVB-S2 system. , 2010, , .		2
56	Look-Up Table Based Low Complexity LLR Calculation for High-Order Amplitude Phase Shift Keying Signals. IEICE Transactions on Communications, 2012, E95.B, 2936-2938.	0.4	2
57	Gaussian message passing for cooperative localization in wireless networks. , 2014, , .		2
58	Simplified error performance analysis of APSK signals. IEICE Communications Express, 2014, 3, 163-167.	0.2	2
59	Joint Channel Estimation and Decoding for FTNS in Frequency-Selective Fading Channels. , 2016, , .		2
60	Hybrid blind symbol rate estimation for linearly modulated signals. , 2017, , .		2
61	Turbo equalization based on joint Gaussian, SIC-MMSE and LMMSE for nonlinear satellite channels. Science China Information Sciences, 2018, 61, 1.	2.7	2
62	MMSE-THP with QoS Requirements for the Downlink of Multiuser MIMO Systems. , 2018, , .		2
63	Learningâ€based secure communication against active eavesdropper in dynamic environment. IET Communications, 2019, 13, 2235-2242.	1.5	2
64	Hybrid BP-EP Based Iterative Receiver for Faster-Than-Nyquist with Index Modulation. , 2019, , .		2
65	Low-Complexity Iterative Detection for Dual-Mode Index Modulation in Dispersive Nonlinear Satellite Channels. IEEE Transactions on Communications, 2022, 70, 1261-1275.	4.9	2
66	An Efficient Two-Dimension OTFS-NOMA Scheme Based on Heterogenous Mobility Users Grouping. , 2021, , .		2
67	Maximum Likelihood Clockless Feedback Phase Recovery for MPSK Signals. , 2010, , .		1
68	A New Joint Memory Polynomial and Look-Up-Table Predistorter Algorithm Design. , 2011, , .		1
69	Performance analysis of code-aided iterative hard/soft decision-directed carrier phase recovery. , 2012, , .		1
70	Code-Aided Iterative SNR Estimator for M-APSK Signals Based on Expectation Maximization Algorithm. , 2013, , .		1
71	Maximum likelihood SNR estimator for coded MAPSK signals in slow fading channels. , 2013, , .		1
72	A Message Passing Approach to Joint Channel Estimation and Decoding with Carrier Frequency Offset in Time Selective Rayleigh Fading Channel. , 2013, , .		1

#	Article	IF	Citations
73	The design and implementation of baseband predistorter based on FPGA and ARM. , 2015, , .		1
74	Properness-based blind mitigation of feedback impairments in digital pre-distortion system. , 2016, , .		1
75	A graphical model based frequency domain equalization for FTN signaling in doubly selective channels. , 2016, , .		1
76	Understanding the efficiency of cooperation in location-aware wireless networks. , 2017, , .		1
77	Saturated throughput analysis of vehicular ad hoc networks over Rayleigh-fading channels. , 2017, , .		1
78	A Cascaded Zoom-In Method for Defect Detection of Solder Joints. , 2018, , .		1
79	A Novel Digital Predistortion of 5G Wideband Power Amplifier with Narrow Bandwidth ADC. , 2018, , .		1
80	Multi-User Wideband Sparse Channel Estimation for Aerial BS with Hybrid Full-Dimensional MIMO. , 2019, , .		1
81	Joint Phase Noise Estimation and Decoding in OFDM-IM. , 2020, , .		1
82	Angle Estimation for Terahertz Ultra-Massive MIMO-Based Space-to-Air Communications. , 2021, , .		1
83	A Turbo Coded LoRa-Index Modulation Scheme for IoT Communication. , 2021, , .		1
84	Corrections to "Cramer-Rao lower bound for non-data-aided SNR estimation of linear modulation schemes". IEEE Transactions on Communications, 2010, 58, 318-318.	4.9	0
85	Optimization Design of Memory Polynomial Coefficient Look-Up Table Predistorter Algorithm. , 2011, , .		0
86	An improved symbol timing error detector for QPSK signals. , 2011, , .		0
87	Particle swarm enhanced graph-based iterative receiver with phase noise and frequency offset. , 2012, , .		0
88	A low complexity SNR estimator for QPSK modulation in AWGN channel. , 2013, , .		0
89	Semi-Analytical Method for Performance Analysis of Code-Aided Soft-Information Based Iterative Carrier Phase Recovery. IEICE Transactions on Communications, 2013, E96.B, 3062-3069.	0.4	0
90	Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2014, , .		0

#	Article	IF	Citations
91	Maximum Likelihood Localization Using A Priori Position Information of Inaccurate Anchors. , 2014, , .		0
92	Expectation maximization-based passive localization in asynchronous wireless networks. , 2015, , .		0
93	Multipath-aided passive localization using inaccurate receiver based on factor graph. , 2015, , .		0
94	Joint channel response, phase noise estimation and decoding in time-selective flat Rayleigh fading channels. , 2015, , .		0
95	Gaussian belief propagation for distributed simultaneous localization and tracking in wireless sensor networks. , 2015, , .		0
96	Factor graph and damped expectation propagation based passive localization. , 2016, , .		0
97	Decentralized Relaying and Performance Analysis in Vehicular Ad Hoc Networks. , 2017, , .		0
98	A Code-Aided and Moment-Based Joint SNR Estimation for M-APSK over AWGN Channels. , 2017, , .		0
99	Low-Complexity Factor Graph-Based Joint Channel Estimation and Equalization for SEFDM Signaling. , 2020, , .		0
100	Joint Sparse Channel Estimation and Tracking for SC-FDE Based V2X Communication Systems. , 2021, , .		0