

Nan Wu

List of Publications by Year in descending order

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101
papers

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430874

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101
all docs

101
docs citations

101
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Network Synchronization: Asymptotic Analysis. IEEE Transactions on Signal Processing, 2018, 66, 757-772.	5.3	85
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.	6.3	80
3	Block Sparse Bayesian Learning Based Joint User Activity Detection and Channel Estimation for Grant-Free NOMA Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 9631-9640.	6.3	68
4	Iterative Receivers for Downlink MIMO-SCMA: Message Passing and Distributed Cooperative Detection. IEEE Transactions on Wireless Communications, 2018, 17, 3444-3458.	9.2	64
5	Frequency-Domain Joint Channel Estimation and Decoding for Faster-Than-Nyquist Signaling. IEEE Transactions on Communications, 2018, 66, 781-795.	7.8	61
6	Iterative Receiver Design for FTN Signaling Aided Sparse Code Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 915-928.	9.2	57
7	TOA-Based Passive Localization Constructed Over Factor Graphs: A Unified Framework. IEEE Transactions on Communications, 2019, 67, 6952-6965.	7.8	56
8	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
9	Gaussian message passing-based cooperative localization on factor graph in wireless networks. Signal Processing, 2015, 111, 1-12.	3.7	46
10	Expectation-Maximization-Based Passive Localization Relying on Asynchronous Receivers: Centralized Versus Distributed Implementations. IEEE Transactions on Communications, 2019, 67, 668-681.	7.8	40
11	A Hybrid BP-EP-VMP Approach to Joint Channel Estimation and Decoding for FTN Signaling over Frequency Selective Fading Channels. IEEE Access, 2017, 5, 6849-6858.	4.2	36
12	Ray-Tracing-Assisted Fingerprinting Based on Channel Impulse Response Measurement for Indoor Positioning. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1032-1045.	4.7	35
13	Variational Inference-Based Frequency-Domain Equalization for Faster-Than-Nyquist Signaling in Doubly Selective Channels. IEEE Signal Processing Letters, 2016, 23, 1270-1274.	3.6	32
14	Digital Predistortion of Wideband Power Amplifier With Single Undersampling ADC. IEEE Microwave and Wireless Components Letters, 2017, 27, 1016-1018.	3.2	29
15	Cooperative Localization in Massive Networks. IEEE Transactions on Information Theory, 2022, 68, 1237-1258.	2.4	26
16	A Performance Limit of TOA-Based Location-Aware Wireless Networks With Ranging Outliers. IEEE Communications Letters, 2015, 19, 1414-1417.	4.1	20
17	Frequency-Domain Iterative Message Passing Receiver for Faster-Than-Nyquist Signaling in Doubly Selective Channels. IEEE Wireless Communications Letters, 2016, 5, 584-587.	5.0	19
18	TOA-based passive localization of multiple targets with inaccurate receivers based on belief propagation on factor graph. , 2016, 49, 14-23.		19

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19	Performance Analysis of Code-Aided Symbol Timing Recovery on AWGN Channels. IEEE Transactions on Communications, 2011, 59, 1975-1984.	7.8	18
20	Expectation-maximisation-based localisation using anchors with uncertainties in wireless sensor networks. IET Communications, 2014, 8, 1977-1987.	2.2	18
21	On the Performance Limits of Cooperative Localization in Wireless Sensor Networks With Strong Sensor Position Uncertainty. IEEE Communications Letters, 2017, 21, 1613-1616.	4.1	16
22	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
23	Factor Graph Based Message Passing Algorithms for Joint Phase-Noise Estimation and Decoding in OFDM-IM. IEEE Transactions on Communications, 2020, 68, 2906-2921.	7.8	12
24	Model Identification for Digital Predistortion of Power Amplifier With Signed Regressor Algorithm. IEEE Microwave and Wireless Components Letters, 2018, 28, 921-923.	3.2	11
25	Distributed cooperative localization based on Gaussian message passing on factor graph in wireless networks. Science China Information Sciences, 2015, 58, 1-15.	4.3	9
26	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
27	Cooperative Detection-Assisted Localization in Wireless Networks in the Presence of Ranging Outliers. IEEE Transactions on Communications, 2017, 65, 5165-5179.	7.8	9
28	Parametric Bilinear Iterative Generalized Approximate Message Passing Reception of FTN Multi-Carrier Signaling. IEEE Transactions on Communications, 2021, 69, 8443-8458.	7.8	9
29	Generalized Approximate Message Passing Equalization for Multi-Carrier Faster-Than-Nyquist Signaling. IEEE Transactions on Vehicular Technology, 2022, 71, 3309-3314.	6.3	9
30	Low-Complexity Factor Graph-Based Iterative Detection for RRC-SEFDM Signals. , 2018, , .		8
31	NDA SNR Estimation with Phase Lock Detector for Digital QPSK Receivers. , 2010, , .		6
32	A Low-Complexity Energy-Minimization-Based SCMA Detector and Its Convergence Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 12398-12403.	6.3	6
33	A Low-Complexity Receiver for Multicarrier Faster-Than-Nyquist Signaling Over Frequency Selective Channels. IEEE Communications Letters, 2020, 24, 81-85.	4.1	6
34	Turbo Equalization Based on a Combined VMP-BP Algorithm for Nonlinear Satellite Channels. IEEE Access, 2018, 6, 35492-35500.	4.2	6
35	Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2015, , .		5
36	Joint synchronization and localization based on Gaussian belief propagation in sensor networks. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
37	Joint channel estimation and decoding in the presence of phase noise over time-selective flat fading channels. IET Communications, 2016, 10, 577-585.	2.2	5
38	Low Complexity Message Passing Receiver for Faster-Than-Nyquist Signaling in Nonlinear Channels. IEEE Access, 2018, 6, 68233-68241.	4.2	5
39	FTN Signaling-Aided Space-Time Multi-Mode Index Modulation Systems With a GMP-Based Receiver. IEEE Access, 2019, 7, 162898-162912.	4.2	5
40	Vector Approximate Message Passing Based Iterative Receiver for OTFS System. , 2021, , .		5
41	Design and performance evaluation of feedback phase recovery for M-PSK signals. , 2009, , .		4
42	Low Complexity SNR Estimation for Linear Modulations on AWGN Channel. , 2012, , .		4
43	Performance Analysis and Optimization of Non-Data-Aided Carrier Frequency Estimator for APSK Signals. IEICE Transactions on Communications, 2012, E95.B, 2080-2086.	0.7	4
44	Variational message passing for joint localization and synchronization in wireless sensor networks. , 2014, , .		4
45	Nodes localization with inaccurate anchors via EM algorithm in wireless sensor networks. , 2014, , .		4
46	Factor graph approach for joint passive localization and receiver synchronization in wireless sensor networks. , 2016, , .		4
47	Joint localization and cooperative detection in location-aware wireless networks in the presence of ranging outliers. , 2016, , .		4
48	Extreme-Learning-Machine-Based Noniterative and Iterative Nonlinearity Mitigation for LED Communication Systems. IEEE Systems Journal, 2020, 14, 4674-4683.	4.6	4
49	Design and Performance Evaluation of Feedforward Timing Estimator for M-PSK Signals. , 2009, , .		3
50	Extension to Gardner timing error detector for QPSK signals. , 2010, , .		3
51	Evaluation of Cramer-Rao Bounds for Phase Estimation of Coded Linearly Modulated Signals. , 2014, , .		3
52	Gaussian message-based cooperative localization on factor graph in wireless sensor networks. , 2014, , .		3
53	LMMSE based turbo equalization for nonlinear memory channel. , 2016, , .		3
54	Code-Aided Joint Carrier Phase Estimation and Ambiguity Resolution for APSK Signals. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
55	Joint Phase Noise Estimation and Iterative Detection of Faster-than-Nyquist Signaling Based on Factor Graph. , 2017, , .		3
56	Message Passing Receiver for SEFDM Signaling Over Multipath Channels. , 2019, , .		3
57	Joint Data and Active User Detection for Grant-free FTN-NOMA in Dynamic Networks. , 2020, , .		3
58	Distributed Verification of Belief Precisions Convergence in Gaussian Belief Propagation. , 2020, , .		3
59	Convergence Analysis of Gaussian SPAWN Under High-Order Graphical Models. IEEE Signal Processing Letters, 2020, 27, 1725-1729.	3.6	3
60	Design and Analysis of Data-Aided Coarse Carrier Frequency Recovery in DVB-S2. , 2010, , .		2
61	Performance evaluation of different detectors for frame synchronization in DVB-S2 system. , 2010, , .		2
62	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.	0.7	2
63	Gaussian message passing for cooperative localization in wireless networks. , 2014, , .		2
64	Simplified error performance analysis of APSK signals. IEICE Communications Express, 2014, 3, 163-167.	0.4	2
65	Joint Channel Estimation and Decoding for FTNS in Frequency-Selective Fading Channels. , 2016, , .		2
66	Turbo equalization based on joint Gaussian, SIC-MMSE and LMMSE for nonlinear satellite channels. Science China Information Sciences, 2018, 61, 1.	4.3	2
67	Gaussian Message Passing based Receiver for Multicarrier Faster-Than-Nyquist Signaling. , 2018, , .		2
68	Gaussian Message Passing Based Passive Localization in the Presence of Receiver Detection Failures. , 2018, , .		2
69	Efficiency of Cooperation and Its Geometric Interpretation in Network Localization. , 2019, , .		2
70	Hybrid BP-EP Based Iterative Receiver for Faster-Than-Nyquist with Index Modulation. , 2019, , .		2
71	Low-Complexity Iterative Detection for Dual-Mode Index Modulation in Dispersive Nonlinear Satellite Channels. IEEE Transactions on Communications, 2022, 70, 1261-1275.	7.8	2
72	Maximum Likelihood Clockless Feedback Phase Recovery for MPSK Signals. , 2010, , .		1

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73	Performance analysis of code-aided iterative hard/soft decision-directed carrier phase recovery. , 2012, , .		1
74	Code-Aided Iterative SNR Estimator for M-APSK Signals Based on Expectation Maximization Algorithm. , 2013, , .		1
75	Maximum likelihood SNR estimator for coded MAPSK signals in slow fading channels. , 2013, , .		1
76	A Message Passing Approach to Joint Channel Estimation and Decoding with Carrier Frequency Offset in Time Selective Rayleigh Fading Channel. , 2013, , .		1
77	Passive localization with inaccurate receivers based on Gaussian belief propagation on factor graph. , 2014, , .		1
78	A low-complexity cooperative localization algorithm based on variational message passing in wireless networks. , 2014, , .		1
79	A graphical model based frequency domain equalization for FTN signaling in doubly selective channels. , 2016, , .		1
80	Understanding the efficiency of cooperation in location-aware wireless networks. , 2017, , .		1
81	A Hybrid BP-VMP-EP Localization Algorithm for Passive MIMO Radar Networks. , 2018, , .		1
82	Multi-Source Data Fusion Method for Indoor Localization System. , 2020, , .		1
83	Joint Phase Noise Estimation and Decoding in OFDM-IM. , 2020, , .		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.	7.8	0
85	An improved symbol timing error detector for QPSK signals. , 2011, , .		0
86	Particle swarm enhanced graph-based iterative receiver with phase noise and frequency offset. , 2012, , .		0
87	A low complexity SNR estimator for QPSK modulation in AWGN channel. , 2013, , .		0
88	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.	0.7	0
89	Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2014, , .		0
90	Maximum Likelihood Localization Using A Priori Position Information of Inaccurate Anchors. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
91	Expectation maximization-based passive localization in asynchronous wireless networks. , 2015, , .		0
92	Multipath-aided passive localization using inaccurate receiver based on factor graph. , 2015, , .		0
93	Joint channel response, phase noise estimation and decoding in time-selective flat Rayleigh fading channels. , 2015, , .		0
94	Gaussian belief propagation for distributed simultaneous localization and tracking in wireless sensor networks. , 2015, , .		0
95	Factor graph and damped expectation propagation based passive localization. , 2016, , .		0
96	Hybrid Message Passing Based Low Complexity Receiver for SCMA System over Frequency Selective Channels. , 2017, , .		0
97	On Information Coupling in Cooperative Network Synchronization. , 2018, , .		0
98	Cycle-Slip Detection and Correction for Carrier Phase Synchronization in Coded Systems. IEEE Communications Letters, 2021, 25, 113-116.	4.1	0
99	A Parallel Carrier Recovery Scheme for an 8Gbps Terahertz Communication System. , 2020, , .		0
100	An Enhanced Indoor Localization System Using Crowdsourced Multi-Source Measurements. , 2020, , .		0
101	Low-Complexity Factor Graph-Based Joint Channel Estimation and Equalization for SEFDM Signaling. , 2020, , .		0