

Nan Wu

List of Publications by Year in descending order

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times ranked

987
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Generalized Approximate Message Passing Equalization for Multi-Carrier Faster-Than-Nyquist Signaling. IEEE Transactions on Vehicular Technology, 2022, 71, 3309-3314. | 6.3 | 9 |
| 2 | 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 |
| 3 | Cooperative Localization in Massive Networks. IEEE Transactions on Information Theory, 2022, 68, 1237-1258. | 2.4 | 26 |
| 4 | Cycle-Slip Detection and Correction for Carrier Phase Synchronization in Coded Systems. IEEE Communications Letters, 2021, 25, 113-116. | 4.1 | 0 |
| 5 | Vector Approximate Message Passing Based Iterative Receiver for OTFS System. , 2021, , . | | 5 |
| 6 | Parametric Bilinear Iterative Generalized Approximate Message Passing Reception of FTN Multi-Carrier Signaling. IEEE Transactions on Communications, 2021, 69, 8443-8458. | 7.8 | 9 |
| 7 | A Low-Complexity Receiver for Multicarrier Faster-Than-Nyquist Signaling Over Frequency Selective Channels. IEEE Communications Letters, 2020, 24, 81-85. | 4.1 | 6 |
| 8 | Iterative Receiver Design for FTN Signaling Aided Sparse Code Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 915-928. | 9.2 | 57 |
| 9 | Joint Data and Active User Detection for Grant-free FTN-NOMA in Dynamic Networks. , 2020, , . | | 3 |
| 10 | Distributed Verification of Belief Precisions Convergence in Gaussian Belief Propagation. , 2020, , . | | 3 |
| 11 | 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 |
| 12 | Convergence Analysis of Gaussian SPAWN Under High-Order Graphical Models. IEEE Signal Processing Letters, 2020, 27, 1725-1729. | 3.6 | 3 |
| 13 | Extreme-Learning-Machine-Based Noniterative and Iterative Nonlinearity Mitigation for LED Communication Systems. IEEE Systems Journal, 2020, 14, 4674-4683. | 4.6 | 4 |
| 14 | 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 |
| 15 | 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 |
| 16 | A Parallel Carrier Recovery Scheme for an 8Gbps Terahertz Communication System. , 2020, , . | | 0 |
| 17 | An Enhanced Indoor Localization System Using Crowdsourced Multi-Source Measurements. , 2020, , . | | 0 |
| 18 | Multi-Source Data Fusion Method for Indoor Localization System. , 2020, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Joint Phase Noise Estimation and Decoding in OFDM-IM. , 2020, , . | | 1 |
| 20 | Low-Complexity Factor Graph-Based Joint Channel Estimation and Equalization for SEFDM Signaling. , 2020, , . | | 0 |
| 21 | Expectation-Based Maximization-Based Passive Localization Relying on Asynchronous Receivers: Centralized Versus Distributed Implementations. IEEE Transactions on Communications, 2019, 67, 668-681. | 7.8 | 40 |
| 22 | Efficiency of Cooperation and Its Geometric Interpretation in Network Localization. , 2019, , . | | 2 |
| 23 | TOA-Based Passive Localization Constructed Over Factor Graphs: A Unified Framework. IEEE Transactions on Communications, 2019, 67, 6952-6965. | 7.8 | 56 |
| 24 | Hybrid BP-EP Based Iterative Receiver for Faster-Than-Nyquist with Index Modulation. , 2019, , . | | 2 |
| 25 | FTN Signaling-Aided Space-Time Multi-Mode Index Modulation Systems With a GMP-Based Receiver. IEEE Access, 2019, 7, 162898-162912. | 4.2 | 5 |
| 26 | Message Passing Receiver for SEFDM Signaling Over Multipath Channels. , 2019, , . | | 3 |
| 27 | Frequency-Domain Joint Channel Estimation and Decoding for Faster-Than-Nyquist Signaling. IEEE Transactions on Communications, 2018, 66, 781-795. | 7.8 | 61 |
| 28 | Turbo equalization based on joint Gaussian, SIC-MMSE and LMMSE for nonlinear satellite channels. Science China Information Sciences, 2018, 61, 1. | 4.3 | 2 |
| 29 | Cooperative Network Synchronization: Asymptotic Analysis. IEEE Transactions on Signal Processing, 2018, 66, 757-772. | 5.3 | 85 |
| 30 | Iterative Receivers for Downlink MIMO-SCMA: Message Passing and Distributed Cooperative Detection. IEEE Transactions on Wireless Communications, 2018, 17, 3444-3458. | 9.2 | 64 |
| 31 | Gaussian Message Passing based Receiver for Multicarrier Faster-Than-Nyquist Signaling. , 2018, , . | | 2 |
| 32 | 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 |
| 33 | On Information Coupling in Cooperative Network Synchronization. , 2018, , . | | 0 |
| 34 | Low-Complexity Factor Graph-Based Iterative Detection for RRC-SEFDM Signals. , 2018, , . | | 8 |
| 35 | A Hybrid BP-VMP-EP Localization Algorithm for Passive MIMO Radar Networks. , 2018, , . | | 1 |
| 36 | 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 |

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| 37 | Low Complexity Message Passing Receiver for Faster-Than-Nyquist Signaling in Nonlinear Channels. IEEE Access, 2018, 6, 68233-68241. | 4.2 | 5 |
| 38 | A Low-Complexity Energy-Minimization-Based SCMA Detector and Its Convergence Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 12398-12403. | 6.3 | 6 |
| 39 | Gaussian Message Passing Based Passive Localization in the Presence of Receiver Detection Failures. , 2018, , . | | 2 |
| 40 | Turbo Equalization Based on a Combined VMP-BP Algorithm for Nonlinear Satellite Channels. IEEE Access, 2018, 6, 35492-35500. | 4.2 | 6 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Digital Predistortion of Wideband Power Amplifier With Single Undersampling ADC. IEEE Microwave and Wireless Components Letters, 2017, 27, 1016-1018. | 3.2 | 29 |
| 46 | Cooperative Detection-Assisted Localization in Wireless Networks in the Presence of Ranging Outliers. IEEE Transactions on Communications, 2017, 65, 5165-5179. | 7.8 | 9 |
| 47 | Understanding the efficiency of cooperation in location-aware wireless networks. , 2017, , . | | 1 |
| 48 | Hybrid Message Passing Based Low Complexity Receiver for SCMA System over Frequency Selective Channels. , 2017, , . | | 0 |
| 49 | Joint Phase Noise Estimation and Iterative Detection of Faster-than-Nyquist Signaling Based on Factor Graph. , 2017, , . | | 3 |
| 50 | Joint Channel Estimation and Decoding for FTNS in Frequency-Selective Fading Channels. , 2016, , . | | 2 |
| 51 | 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 |
| 52 | LMMSE based turbo equalization for nonlinear memory channel. , 2016, , . | | 3 |
| 53 | A graphical model based frequency domain equalization for FTN signaling in doubly selective channels. , 2016, , . | | 1 |
| 54 | Factor graph approach for joint passive localization and receiver synchronization in wireless sensor networks. , 2016, , . | | 4 |

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| 55 | Joint localization and cooperative detection in location-aware wireless networks in the presence of ranging outliers. , 2016, , . | | 4 |
| 56 | Code-Aided Joint Carrier Phase Estimation and Ambiguity Resolution for APSK Signals. , 2016, , . | | 3 |
| 57 | 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 |
| 58 | Factor graph and damped expectation propagation based passive localization. , 2016, , . | | 0 |
| 59 | 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 |
| 60 | 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 |
| 61 | TOA-based passive localization of multiple targets with inaccurate receivers based on belief propagation on factor graph. , 2016, 49, 14-23. | | 19 |
| 62 | Expectation maximization-based passive localization in asynchronous wireless networks. , 2015, , . | | 0 |
| 63 | Multipath-aided passive localization using inaccurate receiver based on factor graph. , 2015, , . | | 0 |
| 64 | Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2015, , . | | 5 |
| 65 | Joint channel response, phase noise estimation and decoding in time-selective flat Rayleigh fading channels. , 2015, , . | | 0 |
| 66 | Joint synchronization and localization based on Gaussian belief propagation in sensor networks. , 2015, , . | | 5 |
| 67 | Gaussian belief propagation for distributed simultaneous localization and tracking in wireless sensor networks. , 2015, , . | | 0 |
| 68 | 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 |
| 69 | A Performance Limit of TOA-Based Location-Aware Wireless Networks With Ranging Outliers. IEEE Communications Letters, 2015, 19, 1414-1417. | 4.1 | 20 |
| 70 | Gaussian message passing-based cooperative localization on factor graph in wireless networks. Signal Processing, 2015, 111, 1-12. | 3.7 | 46 |
| 71 | Passive localization with inaccurate receivers based on Gaussian belief propagation on factor graph. , 2014, , . | | 1 |
| 72 | A low-complexity cooperative localization algorithm based on variational message passing in wireless networks. , 2014, , . | | 1 |

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| 73 | Evaluation of Cramer-Rao Bounds for Phase Estimation of Coded Linearly Modulated Signals. , 2014, , . | | 3 |
| 74 | Variational message passing for joint localization and synchronization in wireless sensor networks. , 2014, , . | | 4 |
| 75 | Gaussian message passing for cooperative localization in wireless networks. , 2014, , . | | 2 |
| 76 | Gaussian message-based cooperative localization on factor graph in wireless sensor networks. , 2014, , . | | 3 |
| 77 | Nodes localization with inaccurate anchors via EM algorithm in wireless sensor networks. , 2014, , . | | 4 |
| 78 | Expectation-maximisation-based localisation using anchors with uncertainties in wireless sensor networks. IET Communications, 2014, 8, 1977-1987. | 2.2 | 18 |
| 79 | Simplified error performance analysis of APSK signals. IEICE Communications Express, 2014, 3, 163-167. | 0.4 | 2 |
| 80 | Distributed Passive Localization with Asynchronous Receivers Based on Expectation Maximization. , 2014, , . | | 0 |
| 81 | Maximum Likelihood Localization Using A Priori Position Information of Inaccurate Anchors. , 2014, , . | | 0 |
| 82 | A low complexity SNR estimator for QPSK modulation in AWGN channel. , 2013, , . | | 0 |
| 83 | Code-Aided Iterative SNR Estimator for M-APSK Signals Based on Expectation Maximization Algorithm. , 2013, , . | | 1 |
| 84 | Maximum likelihood SNR estimator for coded MAPSK signals in slow fading channels. , 2013, , . | | 1 |
| 85 | A Message Passing Approach to Joint Channel Estimation and Decoding with Carrier Frequency Offset in Time Selective Rayleigh Fading Channel. , 2013, , . | | 1 |
| 86 | 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 |
| 87 | Performance analysis of code-aided iterative hard/soft decision-directed carrier phase recovery. , 2012, , . | | 1 |
| 88 | Low Complexity SNR Estimation for Linear Modulations on AWGN Channel. , 2012, , . | | 4 |
| 89 | Particle swarm enhanced graph-based iterative receiver with phase noise and frequency offset. , 2012, , . | | 0 |
| 90 | 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 |

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| 91 | 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 |
| 92 | Performance Analysis of Code-Aided Symbol Timing Recovery on AWGN Channels. IEEE Transactions on Communications, 2011, 59, 1975-1984. | 7.8 | 18 |
| 93 | An improved symbol timing error detector for QPSK signals. , 2011, , . | | 0 |
| 94 | 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 |
| 95 | Design and Analysis of Data-Aided Coarse Carrier Frequency Recovery in DVB-S2. , 2010, , . | | 2 |
| 96 | Extension to Gardner timing error detector for QPSK signals. , 2010, , . | | 3 |
| 97 | NDA SNR Estimation with Phase Lock Detector for Digital QPSK Receivers. , 2010, , . | | 6 |
| 98 | Performance evaluation of different detectors for frame synchronization in DVB-S2 system. , 2010, , . | | 2 |
| 99 | Maximum Likelihood Clockless Feedback Phase Recovery for MPSK Signals. , 2010, , . | | 1 |
| 100 | Design and Performance Evaluation of Feedforward Timing Estimator for M-PSK Signals. , 2009, , . | | 3 |
| 101 | Design and performance evaluation of feedback phase recovery for M-PSK signals. , 2009, , . | | 4 |