

Guojun Han

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56

papers

858

citations

16

h-index

28

g-index

74

ext. papers

1,123

ext. citations

5.7

avg, IF

4.67

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 56 | MIMO Waveform Design for Dual Functions of Radar and Communication with Space-Time Coding. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1 | 14.2 | 1 |
| 55 | Compressive Sensing Based Power Allocation Optimization for Energy Harvesting IoT Nodes. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1 | 9.6 | |
| 54 | A New Frequency-Bin-Index LoRa System for High-Data-Rate Transmission: Design and Performance Analysis. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 0 |
| 53 | Adaptive Gradient Coding. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 1-18 | 3.8 | 1 |
| 52 | Spatially Coupled Protograph LDPC-Coded Hierarchical Modulated BICM-ID Systems: A Promising Transmission Technique for 6G-Enabled Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5149-5163 | 10.7 | 6 |
| 51 | Design of an MISO-SWIPT-Aided Code-Index Modulated Multi-Carrier M-DCSK System for e-Health IoT. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 311-324 | 14.2 | 34 |
| 50 | Two-layer Distributed Content Caching for Infotainment Applications in VANETs. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 1 |
| 49 | Design and Performance Analysis of a New STBC-MIMO LoRa System. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5744-5757 | 6.9 | 8 |
| 48 | Beamforming Design Based on Two-Stage Stochastic Optimization for RIS-Assisted Over-the-Air Computation Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 1 |
| 47 | Random Subspace Ensemble With Enhanced Feature for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1373-1377 | 4.1 | 7 |
| 46 | Performance Analysis and Optimization of Spatially Coupled Protograph-Based Low-Density Parity-Check Codes for Two-Dimensional Magnetic Recording Systems. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-7 | 2 | 1 |
| 45 | Mitigation of 2D-ICI in Flash Memory Using Hierarchical Constrained Codes. <i>Journal of Signal Processing Systems</i> , 2020 , 92, 583-589 | 1.4 | |
| 44 | Design of Link-Selection Strategies for Buffer-Aided DCSK-SWIPT Relay System. <i>IEEE Transactions on Communications</i> , 2020 , 68, 6023-6038 | 6.9 | 10 |
| 43 | QoS-Aware Buffer-Aided Relaying Implant WBAN for Healthcare IoT: Opportunities and Challenges. <i>IEEE Network</i> , 2019 , 33, 96-103 | 11.4 | 16 |
| 42 | Design of Protograph-LDPC-Based BICM-ID for Multi-Level-Cell (MLC) NAND Flash Memory. <i>IEEE Communications Letters</i> , 2019 , 23, 1127-1131 | 3.8 | 6 |
| 41 | Root-Protograph-Based BICM-ID: A Reliable and Efficient Transmission Solution for Block-Fading Channels. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5921-5939 | 6.9 | 13 |
| 40 | . <i>IEEE Vehicular Technology Magazine</i> , 2019 , 14, 85-93 | 9.9 | 91 |

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| 39 | Cell-State-Distribution-Assisted Threshold Voltage Detector for NAND Flash Memory. <i>IEEE Communications Letters</i> , 2019 , 23, 576-579 | 3.8 | 2 |
| 38 | . <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 5580-5594 | 8.1 | 26 |
| 37 | Neighbor-A-Posteriori Information Assisted Cell-State Adaptive Detector for NAND Flash Memory. <i>IEEE Communications Letters</i> , 2019 , 23, 1967-1971 | 3.8 | 1 |
| 36 | Threshold-voltage-drift-aware scheduling for belief propagation decoding of LDPC-coded NAND flash memory. <i>IET Communications</i> , 2019 , 13, 2871-2875 | 1.3 | 1 |
| 35 | Short Block-Length Codes for Ultra-Reliable Low Latency Communications. <i>IEEE Communications Magazine</i> , 2019 , 57, 130-137 | 9.1 | 135 |
| 34 | Design and Analysis of Relay-Selection Strategies for Two-Way Relay Network-Coded DCSK Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 1258-1271 | 6.8 | 42 |
| 33 | LLR-Distribution-Based Non-Uniform Quantization for RBI-MSD Algorithm in MLC Flash Memory. <i>IEEE Communications Letters</i> , 2018 , 22, 45-48 | 3.8 | 5 |
| 32 | Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1574-1606 | 37.1 | 33 |
| 31 | Design and Analysis of Punctured Terminated Spatially Coupled Protograph LDPC Codes With Small Coupling Lengths. <i>IEEE Access</i> , 2018 , 6, 36723-36731 | 3.5 | 8 |
| 30 | Low-complexity detection and decoding scheme for LDPC-coded MLC NAND flash memory. <i>China Communications</i> , 2018 , 15, 58-67 | 3 | 0 |
| 29 | Design of an Adaptive Multiresolution M^M -Ary DCSK System. <i>IEEE Communications Letters</i> , 2017 , 21, 60-63 | 3.8 | 32 |
| 28 | Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. <i>IEEE Communications Letters</i> , 2017 , 21, 28-31 | 3.8 | 15 |
| 27 | Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. <i>IEEE Communications Letters</i> , 2017 , 21, 32-35 | 3.8 | 15 |
| 26 | A New Hierarchical M^M -ary DCSK Communication System: Design and Analysis. <i>IEEE Access</i> , 2017 , 5, 17414-17424 | 3.5 | 9 |
| 25 | Performance analysis and comparison of three multiple-access DCSK cooperative communication systems over multipath fading channels 2017 , | | 2 |
| 24 | A Square-Constellation-Based M^M -Ary DCSK Communication System. <i>IEEE Access</i> , 2016 , 4, 6295-6303 | 3.5 | 36 |
| 23 | Finite-length extrinsic information transfer analysis and design of protograph low-density parity-check codes for ultra-high-density magnetic recording channels. <i>IET Communications</i> , 2016 , 10, 1303-1311 | 1.3 | 2 |
| 22 | Quantization and reliability-aware iterative majority-logic decoding algorithm for LDPC code in TLC NAND flash memory 2016 , | | 2 |

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|----|---|------|----|
| 21 | Construction of rate-compatible (RC) low-density parity-check (LDPC) convolutional codes based on RC-LDPC block codes. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016 , 21, 679-683 | 0.6 | |
| 20 | A Survey on DCSK-Based Communication Systems and Their Application to UWB Scenarios. <i>IEEE Communications Surveys and Tutorials</i> , 2016 , 18, 1804-1837 | 37.1 | 80 |
| 19 | An Efficient Transmission Scheme for DCSK Cooperative Communication Over Multipath Fading Channels. <i>IEEE Access</i> , 2016 , 4, 6364-6373 | 3.5 | 16 |
| 18 | Deterministic Construction of Compressed Sensing Matrices from Protograph LDPC Codes. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1960-1964 | 3.2 | 37 |
| 17 | Protograph LDPC codes for STBC Rayleigh fading channels 2015 , | | 3 |
| 16 | Informed shuffled belief-propagation decoding for low-density parity-check codes. <i>IET Communications</i> , 2015 , 9, 2259-2266 | 1.3 | |
| 15 | Protograph-Based Quasi-Cyclic LDPC Coding for Ultrahigh Density Magnetic Recording Channels. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4 | 2 | 5 |
| 14 | Asymptotic performance analysis of protograph LDPC-coded STBC systems in fading channels 2015 , | | 2 |
| 13 | Coding and signal processing for ultra-high density magnetic recording channels 2014 , | | 5 |
| 12 | Coding and Detection for Channels With Written-In Errors and Inter-Symbol Interference. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-6 | 2 | 3 |
| 11 | Construction of Irregular QC-LDPC Codes via Masking with ACE Optimization. <i>IEEE Communications Letters</i> , 2014 , 18, 348-351 | 3.8 | 24 |
| 10 | Shuffled Multi-Track Detection for Shingled Magnetic Recording Channels With an Array of Read Heads. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4 | 2 | 2 |
| 9 | Towards optimal edge weight distribution and construction of field-compatible low-density parity-check codes over $GF(q)$. <i>IET Communications</i> , 2014 , 8, 3215-3222 | 1.3 | 2 |
| 8 | Improved Min-Sum Decoding for 2-D Intersymbol Interference Channels. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4 | 2 | 4 |
| 7 | EXIT-Chart-Based LDPC Code Design for 2D ISI Channels. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2823-2826 | | 22 |
| 6 | Embedded Marker Code for Channels Corrupted by Insertions, Deletions, and AWGN. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2535-2538 | 2 | 5 |
| 5 | Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 5215-5221 | 2 | 9 |
| 4 | Check Node Reliability-Based Scheduling for BP Decoding of Non-Binary LDPC Codes. <i>IEEE Transactions on Communications</i> , 2013 , 61, 877-885 | 6.9 | 13 |

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| 3 | Effective Informed Dynamic Scheduling for Belief Propagation Decoding of LDPC Codes. <i>IEEE Transactions on Communications</i> , 2011 , 59, 2683-2691 | 6.9 | 34 |
| 2 | A Unified Early Stopping Criterion for Binary and Nonbinary LDPC Codes Based on Check-Sum Variation Patterns. <i>IEEE Communications Letters</i> , 2010 , 14, 1053-1055 | 3.8 | 9 |
| 1 | An efficient dynamic schedule for layered belief-propagation decoding of LDPC codes. <i>IEEE Communications Letters</i> , 2009 , 13, 950-952 | 3.8 | 18 |