

Guojun Han

List of Publications by Year in descending order

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docs citations

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times ranked

1107
citing authors

#	ARTICLE	IF	CITATIONS
1	Short Block-Length Codes for Ultra-Reliable Low Latency Communications. IEEE Communications Magazine, 2019, 57, 130-137.	4.9	232
2	Outage-Limit-Approaching Channel Coding for Future Wireless Communications: Root-Protograph Low-Density Parity-Check Codes. IEEE Vehicular Technology Magazine, 2019, 14, 85-93.	2.8	128
3	A Survey on DCSK-Based Communication Systems and Their Application to UWB Scenarios. IEEE Communications Surveys and Tutorials, 2016, 18, 1804-1837.	24.8	110
4	Design of an MISO-SWIPT-Aided Code-Index Modulated Multi-Carrier M -DCSK System for e-Health IoT. IEEE Journal on Selected Areas in Communications, 2021, 39, 311-324.	9.7	59
5	Design and Analysis of Relay-Selection Strategies for Two-Way Relay Network-Coded DCSK Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 1258-1271.	3.9	53
6	Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 1574-1606.	24.8	49
7	A Square-Constellation-Based M -Ary DCSK Communication System. IEEE Access, 2016, 4, 6295-6303.	2.6	47
8	Deterministic Construction of Compressed Sensing Matrices from Protograph LDPC Codes. IEEE Signal Processing Letters, 2015, 22, 1960-1964.	2.1	45
9	Effective Informed Dynamic Scheduling for Belief Propagation Decoding of LDPC Codes. IEEE Transactions on Communications, 2011, 59, 2683-2691.	4.9	43
10	Design of an Adaptive Multiresolution M -Ary DCSK System. IEEE Communications Letters, 2017, 21, 60-63.	2.5	43
11	Local Block Multilayer Sparse Extreme Learning Machine for Effective Feature Extraction and Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5580-5594.	2.7	37
12	EXIT-Chart-Based LDPC Code Design for 2D ISI Channels. IEEE Transactions on Magnetics, 2013, 49, 2823-2826.	1.2	31
13	Construction of Irregular QC-LDPC Codes via Masking with ACE Optimization. IEEE Communications Letters, 2014, 18, 348-351.	2.5	29
14	QoS-Aware Buffer-Aided Relaying Implant WBAN for Healthcare IoT: Opportunities and Challenges. IEEE Network, 2019, 33, 96-103.	4.9	28
15	An efficient dynamic schedule for layered belief-propagation decoding of LDPC codes. IEEE Communications Letters, 2009, 13, 950-952.	2.5	25
16	Check Node Reliability-Based Scheduling for BP Decoding of Non-Binary LDPC Codes. IEEE Transactions on Communications, 2013, 61, 877-885.	4.9	21
17	Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. IEEE Communications Letters, 2017, 21, 32-35.	2.5	21
18	Design and Performance Analysis of a New STBC-MIMO LoRa System. IEEE Transactions on Communications, 2021, 69, 5744-5757.	4.9	21

#	ARTICLE	IF	CITATIONS
19	Root-Protograph-Based BICM-ID: A Reliable and Efficient Transmission Solution for Block-Fading Channels. IEEE Transactions on Communications, 2019, 67, 5921-5939.	4.9	20
20	A Unified Early Stopping Criterion for Binary and Nonbinary LDPC Codes Based on Check-Sum Variation Patterns. IEEE Communications Letters, 2010, 14, 1053-1055.	2.5	19
21	Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. IEEE Communications Letters, 2017, 21, 28-31.	2.5	19
22	An Efficient Transmission Scheme for DCSK Cooperative Communication Over Multipath Fading Channels. IEEE Access, 2016, 4, 6364-6373.	2.6	18
23	Design of Link-Selection Strategies for Buffer-Aided DCSK-SWIPT Relay System. IEEE Transactions on Communications, 2020, 68, 6023-6038.	4.9	16
24	Design of Protograph-LDPC-Based BICM-ID for Multi-Level-Cell (MLC) NAND Flash Memory. IEEE Communications Letters, 2019, 23, 1127-1131.	2.5	14
25	Random Subspace Ensemble With Enhanced Feature for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1373-1377.	1.4	14
26	Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 5215-5221.	1.2	12
27	A New Hierarchical M^M -ary DCSK Communication System: Design and Analysis. IEEE Access, 2017, 5, 17414-17424.	2.6	12
28	Spatially Coupled Protograph LDPC-Coded Hierarchical Modulated BICM-ID Systems: A Promising Transmission Technique for 6G-Enabled Internet of Things. IEEE Internet of Things Journal, 2021, 8, 5149-5163.	5.5	12
29	Beamforming Design Based on Two-Stage Stochastic Optimization for RIS-Assisted Over-the-Air Computation Systems. IEEE Internet of Things Journal, 2022, 9, 5474-5488.	5.5	12
30	Two-Layer Distributed Content Caching for Infotainment Applications in VANETs. IEEE Internet of Things Journal, 2022, 9, 1696-1711.	5.5	11
31	Coding and signal processing for ultra-high density magnetic recording channels. , 2014, , .		10
32	MIMO Waveform Design for Dual Functions of Radar and Communication With Space-Time Coding. IEEE Journal on Selected Areas in Communications, 2022, 40, 1906-1917.	9.7	10
33	Design and Analysis of Punctured Terminated Spatially Coupled Protograph LDPC Codes With Small Coupling Lengths. IEEE Access, 2018, 6, 36723-36731.	2.6	9
34	Protograph-Based Quasi-Cyclic LDPC Coding for Ultrahigh Density Magnetic Recording Channels. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	8
35	LLR-Distribution-Based Non-Uniform Quantization for RBI-MSD Algorithm in MLC Flash Memory. IEEE Communications Letters, 2018, 22, 45-48.	2.5	8
36	Improved Min-Sum Decoding for 2-D Intersymbol Interference Channels. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Adaptive Gradient Coding. IEEE/ACM Transactions on Networking, 2022, 30, 717-734.	2.6	6
38	Embedded Marker Code for Channels Corrupted by Insertions, Deletions, and AWGN. IEEE Transactions on Magnetics, 2013, 49, 2535-2538.	1.2	5
39	Coding and Detection for Channels With Written-In Errors and Inter-Symbol Interference. IEEE Transactions on Magnetics, 2014, 50, 1-6.	1.2	5
40	Asymptotic performance analysis of protograph LDPC-coded STBC systems in fading channels. , 2015, , .		5
41	Cell-State-Distribution-Assisted Threshold Voltage Detector for NAND Flash Memory. IEEE Communications Letters, 2019, 23, 576-579.	2.5	5
42	Convolutional Neural Network (CNN)-Based Detection for Multi-Level-Cell NAND Flash Memory. IEEE Communications Letters, 2021, 25, 3883-3887.	2.5	5
43	A New Frequency-Bin-Index LoRa System for High-Data-Rate Transmission: Design and Performance Analysis. IEEE Internet of Things Journal, 2022, 9, 12515-12528.	5.5	5
44	Finite-length extrinsic information transfer analysis and design of protograph low-density parity-check codes for ultra-high-density magnetic recording channels. IET Communications, 2016, 10, 1303-1311.	1.5	4
45	Low-complexity detection and decoding scheme for LDPC-coded MLC NAND flash memory. China Communications, 2018, 15, 58-67.	2.0	4
46	Compressive Sensing-Based Power Allocation Optimization for Energy Harvesting IoT Nodes. IEEE Transactions on Wireless Communications, 2022, 21, 4535-4548.	6.1	4
47	Towards optimal edge weight distribution and construction of field-compatible low-density parity-check codes over GF(q). IET Communications, 2014, 8, 3215-3222.	1.5	3
48	Performance of the modified SRBI-MLGD algorithm for LDPC codes in MLC NAND flash memory. , 2015, , .		3
49	Protograph LDPC codes for STBC Rayleigh fading channels. , 2015, , .		3
50	Quantization and reliability-aware iterative majority-logic decoding algorithm for LDPC code in TLC NAND flash memory. , 2016, , .		3
51	Performance analysis and comparison of three multiple-access DCSK cooperative communication systems over multipath fading channels. , 2017, , .		3
52	Neighbor-A-Posteriori Information Assisted Cell-State Adaptive Detector for NAND Flash Memory. IEEE Communications Letters, 2019, 23, 1967-1971.	2.5	3
53	Artificial Neural Network Assisted Error Correction for MLC NAND Flash Memory. Micromachines, 2021, 12, 879.	1.4	3
54	Shuffled Multi-Track Detection for Shingled Magnetic Recording Channels With an Array of Read Heads. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	2

#	ARTICLE	IF	CITATIONS
55	Threshold-voltage-drift-aware scheduling for belief propagation decoding of LDPC-coded NAND flash memory. IET Communications, 2019, 13, 2871-2875.	1.5	2
56	Performance Analysis and Optimization of Spatially Coupled Protograph-Based Low-Density Parity-Check Codes for Two-Dimensional Magnetic Recording Systems. IEEE Transactions on Magnetics, 2020, 56, 1-7.	1.2	2
57	Performance of protograph LDPC codes over ergodic Nakagami fading channels. , 2017, , .		1
58	Design and Analysis of Spatially Coupled Protograph LDPC Codes for Two-Dimensional Magnetic Recording Systems. , 2018, , .		1
59	Neighbor-Cell-Information Based Detection for LDPC Coded MLC NAND Flash Memory. , 2019, , .		1
60	Relaying Transmission for Multiresolution M-DCSK Modulation in Multi-Relay Networks. , 2019, , .		1
61	Performance Analysis of Buffer-Aided Relaying Implant WBAN. , 2021, , .		1
62	Joint Beamforming Aided Over-the-Air Computation Systems Relying on Both BS-Side and User-Side Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 10766-10779.	6.1	1
63	EXIT-chart-based threshold calculation of LDPC code in 2D ISI channels. , 2013, , .		0
64	Linearly-encodable rate-compatible punctured LDPC codes with low error floor. , 2013, , .		0
65	Finite-length EXIT analysis for protograph-coded two-dimensional ISI channels. , 2015, , .		0
66	Informed shuffled belief-propagation decoding for low-density parity-check codes. IET Communications, 2015, 9, 2259-2266.	1.5	0
67	Joint non-uniform detection and low-complexity decoding for multi-level cell NAND flash memory. , 2016, , .		0
68	Construction of rate-compatible (RC) low-density parity-check (LDPC) convolutional codes based on RC-LDPC block codes. Journal of Shanghai Jiaotong University (Science), 2016, 21, 679-683.	0.5	0
69	The design and analysis of protograph LDPC codes over Rayleigh fading channels. , 2017, , .		0
70	Dynamic-Reference-Voltage-based Detection Algorithm for LDPC-Coded NAND Flash Memory. , 2018, , .		0
71	Mitigation of 2D-ICI in Flash Memory Using Hierarchical Constrained Codes. Journal of Signal Processing Systems, 2020, 92, 583-589.	1.4	0
72	Constructions of Flexible-Size Deterministic Measurement Matrices Using Protograph LDPC Codes and Hadamard Codes. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
73	Comparison on Vandermond and Cauchy MDS Array Codes in Distributed Storage Systems. , 2020, , .		0
74	A Novel Link-Selection Strategy for DCSK-SWIPT Relay System with Buffer. , 2020, , .		0