Jeongseok Ha

List of Publications by Year
in descending order

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114	1,612	471509	345221
papers	citations	17 h-index	36 g-index

114	114	114	1183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rate-Compatible Puncturing of Low-Density Parity-Check Codes. IEEE Transactions on Information Theory, 2004, 50, 2824-2836.	2.4	282
2	LDPC Codes for the Gaussian Wiretap Channel. IEEE Transactions on Information Forensics and Security, 2011, 6, 532-540.	6.9	182
3	Rate-compatible punctured low-density parity-check codes with short block lengths. IEEE Transactions on Information Theory, 2006, 52, 728-738.	2.4	153
4	Bounds on Secrecy Capacity Over Correlated Ergodic Fading Channels at High SNR. IEEE Transactions on Information Theory, 2011, 57, 1975-1983.	2.4	106
5	On the Role of Transmit Correlation Diversity in Multiuser MIMO Systems. IEEE Transactions on Information Theory, 2017, 63, 336-354.	2.4	53
6	Secure Communications with Untrusted Secondary Nodes in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1790-1805.	9.2	44
7	Block-Wise Concatenated BCH Codes for NAND Flash Memories. IEEE Transactions on Communications, 2014, 62, 1164-1177.	7.8	37
8	Channel Aware Encryption and Decision Fusion for Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2013, 8, 619-625.	6.9	35
9	LDPC Coded OFDM with Alamouti/SVD Diversity Technique. Wireless Personal Communications, 2002, 23, 183-194.	2.7	28
10	Low-density parity-check codes for volume holographic memory systems. Applied Optics, 2003, 42, 861.	2.1	27
11	A Stopping Criterion for Low-Density Parity-Check Codes. IEEE Vehicular Technology Conference, 2007, , .	0.4	25
12	LDPC codes for the Gaussian wiretap channel. , 2009, , .		25
13	Secret Key Agreement With Large Antenna Arrays Under the Pilot Contamination Attack. IEEE Transactions on Wireless Communications, 2015, 14, 6579-6594.	9.2	25
14	User Grouping of Two-Stage MU-MIMO Precoding for Clustered User Geometry. IEEE Communications Letters, 2015, 19, 1458-1461.	4.1	25
15	On the Energy Efficiency of AMC and HARQ-IR With QoS Constraints. IEEE Transactions on Vehicular Technology, 2013, 62, 3261-3270.	6.3	23
16	On the Secrecy Rate and Optimal Power Allocation for Artificial Noise Assisted MIMOME Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 3098-3113.	6.3	23
17	LDPC for Physical Layer Security. , 2009, , .		21
18	On the Energy Delay Tradeoff of HARQ-IR in Wireless Multiuser Systems. IEEE Transactions on Communications, 2013, 61, 3518-3529.	7.8	21

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19	Low-density parity-check codes over gaussian channels with erasures. IEEE Transactions on Information Theory, 2003, 49, 1801-1809.	2.4	19
20	Optimal puncturing distributions for rate-compatible low-density parity-check codes. , 2003, , .		19
21	Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. IEEE Transactions on Vehicular Technology, 2020, 69, 3465-3469.	6.3	18
22	Optimal puncturing of irregular low-density parity-check codes. , 0, , .		17
23	Puncturing for finite length low-density parity-check codes. , 0, , .		17
24	Secure Type-Based Multiple Access. IEEE Transactions on Information Forensics and Security, 2011, 6, 763-774.	6.9	17
25	Layered BP Decoding for Rate-Compatible Punctured LDPC Codes. IEEE Communications Letters, 2007, 11, 440-442.	4.1	14
26	Secrecy Rate for MISO Rayleigh Fading Channels with Relative Distance of Eavesdropper. IEEE Communications Letters, 2012, 16, 1408-1411.	4.1	12
27	Quasi-Primitive Block-Wise Concatenated BCH Codes With Collaborative Decoding for NAND Flash Memories. IEEE Transactions on Communications, 2015, 63, 3482-3496.	7.8	12
28	On rate-adaptability of nonbinary LDPC codes. , 2008, , .		11
29	On multiuser secrecy rate in flat fading channel. , 2009, , .		11
30	Breaking the Trapping Sets in LDPC Codes: Check Node Removal and Collaborative Decoding. IEEE Transactions on Communications, 2016, 64, 15-26.	7.8	11
31	A Two-Bit Weighted Bit-Flipping Decoding Algorithm for LDPC Codes. IEEE Communications Letters, 2018, 22, 874-877.	4.1	11
32	Rate-compatible punctured low-density parity-check codes for ultra wide band systems. , 2005, , .		10
33	Channel aware encryption and decision fusion for wireless sensor networks. , 2011, , .		10
34	Rate-compatible multi-edge type low-density parity-check code ensembles for continuous-variable quantum key distribution systems. Npj Quantum Information, 2022, 8, .	6.7	10
35	Secure communications with untrusted secondary users in cognitive radio networks. , 2012, , .		9
36	Secret key agreement under an active attack in MU-TDD systems with large antenna arrays. , 2013, , .		9

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37	RS-LDPC Concatenated Coding for the Modern Tape Storage Channel. IEEE Transactions on Communications, 2016, 64, 59-69.	7.8	9
38	Symmetric Block-wise Concatenated BCH Codes for NAND Flash Memories. IEEE Transactions on Communications, 2018, , 1-1.	7.8	9
39	Artificial Noise Scheme for Correlated MISO Wiretap Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 9323-9327.	6.3	9
40	Optimized puncturing and shortening distributions for nonbinary LDPC codes over the binary erasure channel. , 2008, , .		8
41	Channel-Aware Energy Efficient Transmission Strategies for Large Wireless Sensor Networks. IEEE Signal Processing Letters, 2010, 17, 643-646.	3.6	8
42	Concatenated BCH codes for NAND flash memories. , 2012, , .		8
43	A general distributed consensus algorithm for wireless sensor networks. , 2012, , .		8
44	Fast Decoding of Rate-Compatible Punctured LDPC Codes. , 2007, , .		7
45	Robustness of secret key agreement protocol with massive MIMO under pilot contamination attack. , 2013, , .		7
46	RS-Enhanced TCM for Multilevel Flash Memories. IEEE Transactions on Communications, 2013, 61, 1674-1683.	7.8	7
47	Physical layer security for wireless sensor networks. , 2013, , .		7
48	Rate-Compatible Punctured Polar Codes. IEEE Communications Letters, 2022, 26, 753-757.	4.1	7
49	Linear-Time Encodable Rate-Compatible Punctured LDPC Codes with Low Error Floors. IEEE Vehicular Technology Conference, 2008, , .	0.4	6
50	Quasi-primitive block-wise concatenated BCH codes for NAND flash memories. , 2014, , .		6
51	Secret Key Agreement for Massive MIMO Systems with Two-Way Training under Pilot Contamination Attack. , 2015, , .		6
52	Joint Design of Optimal Precoding and Cooperative Jamming for Multiuser Secure Broadcast Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 10551-10556.	6.3	6
53	On the Design of Multi-Edge Type Low-Density Parity-Check Codes. IEEE Transactions on Communications, 2019, 67, 6652-6667.	7.8	6
54	An Improved Symbol-Flipping Algorithm for Nonbinary LDPC Codes and its Application to NAND Flash Memory. IEEE Transactions on Magnetics, 2019, 55, 1-13.	2.1	6

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55	Cancellation of ICI by Doppler Effect in OFDM Systems. , 0, , .		5
56	Cholesky Based Efficient Algorithms for the MMSE-SIC Receiver. , 2007, , .		5
57	Low-complexity iterative QRD-M detection algorithm for V-BLAST systems. Electronics Letters, 2007, 43, 1374.	1.0	5
58	Region-of-Interest based pixel domain Wyner-Ziv coding. , 2010, , .		5
59	Orthogonal beamforming for overlay mode of OFDMA-based rural broadband wireless access. , 2012, , .		5
60	Secret key transmission based on channel reciprocity for secure IoT. , 2016, , .		5
61	On the Secrecy Rate of Artificial Noise Assisted MIMOME Channels with Full-Duplex Receiver. , 2017, , .		5
62	Iterative Demodulation and Decoding of Uplink Multiuser M-ary FSK Using OFDMA Mapping. IEEE Communications Letters, 2013, 17, 1842-1845.	4.1	4
63	Information set analysis of polar codes. , 2016, , .		4
64	An energy-optimized (37840, 34320) symmetric BC-BCH decoder for healthy mobile storages. , 2017, , .		4
65	Energy-Efficient Symmetric BC-BCH Decoder Architecture for Mobile Storages. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4462-4475.	5.4	4
66	Deep Learning-Based Ground Vibration Monitoring: Reinforcement Learning and RNNâ€“CNN Approach. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
67	Quantum Maximum Likelihood Decoding for Linear Block Codes. , 2020, , .		4
68	Secrecy capacity over correlated ergodic fading channel. , 2008, , .		3
69	Asymmetric power allocation to improve convergence rate of iterative receivers with soft cancellation. IEEE Communications Letters, 2009, 13, 579-581.	4.1	3
70	Secure Antenna Subset Modulation with Coordinate Interleaved Orthogonal Designs. , 2014, , .		3
71	Robustness of Biologically Inspired Pulse-Coupled Synchronization against Static Attacks. , 2015, , .		3
72	A paired-page reading scheme for NAND flash memory. , 2016, , .		3

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73	Analysis and design of LDPCCs over Gaussian channels with erasures. , 0, , .		2
74	A modified turbo principle for iterative detection and decoding. , 2008, , .		2
75	Secure type-based multiple access: Transmission strategy and analysis for perfect secrecy. , 2010, , .		2
76	Cooperative secure transmission for distributed detection in wireless sensor networks. , 2011, , .		2
77	Block triangularization: A new linear precoding strategy for Gaussian MIMO BC. , 2011, , .		2
78	Serial quasi-primitive BC-BCH codes for NAND flash memories. , 2016, , .		2
79	Detection of pilot contamination attack in the MU-MISOME broadcast channels. , 2016, , .		2
80	Increasing Minimum Distance of Polar Codes with Outer Parity-Check Codes. , 2018, , .		2
81	Secure Communications With a Full-Duplex Relay Network Under Residual Self-Interference. IEEE Communications Letters, 2020, 24, 496-500.	4.1	2
82	LDPC Codes for the Gaussian Wiretap Channel. Wireless Networks and Mobile Communications, 2013, , 33-46.	1.0	2
83	Deep-Learning for Breaking the Trapping Sets in Low-Density Parity-Check Codes. IEEE Transactions on Communications, 2022, 70, 2909-2923.	7.8	2
84	A New Design of Iterative Detection and Decoding with Soft Interference Cancellation. , 2008, , .		1
85	A New Efficient 16-QAM Mapping Approach for Iterative Receiver using Turbo Codes over SISO Channel. International Conference on Advanced Communication Technology, 2008, , .	0.0	1
86	Rate optimization to minimize distortion for source-channel coded H-BLAST with SIC decoding. IEEE Communications Letters, 2009, 13, 115-117.	4.1	1
87	Channel-Aware Energy Efficient Transmission Strategies for Large Wireless Sensor Networks. , 2010, , .		1
88	Code design for type-I wiretap channel thanks. , 2011, , .		1
89	On the soft information extraction from hard-decision outputs in MLC NAND flash memory. , 2012, , .		1
90	Perfect Secrecy Over Binary Erasure Wiretap Channel of Type II. IEEE Transactions on Information Forensics and Security, 2012, 7, 1414-1418.	6.9	1

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91	On the Achievable Rate for Wideband Channels with Estimated CSI. Journal of Signal Processing Systems, 2012, 66, 75-86.	2.1	1
92	Low-dimensional minimum leakage multiuser beamforming in a multicell system. , 2013, , .		1
93	A low-complexity decoding algorithm for concatenated tree codes. , 2015, , .		1
94	Efficiently Encodable Multi-Edge Type LDPC Codes for Long-Distance Quantum Cryptography. , 2018, , .		1
95	Artificial-noise-aided secure beamforming in full-duplex wireless-powered relay. , 2018, , .		1
96	MET-LDPC Code Ensembles of Low Code Rates With Exponentially Few Small Weight Codewords. IEEE Transactions on Communications, 2021, 69, 3517-3527.	7.8	1
97	A Low-complexity Neural BP Decoder with Network Pruning. , 2020, , .		1
98	A New Linear Precoding Strategy for MIMO BC. , 2010, , .		0
99	On the asymptotic performance of TBMA with multichannel diversity over fading channels. , 2010, , .		0
100	MMSE-based distributed beamforming in cooperative relay networks. , 2011, , .		0
101	Iterative Distributed Amplitude Optimization for Distributed Detection in Wireless Sensor Networks. , 2012, , .		0
102	On the Estimation of Slow-Fading Coefficients for Pilot Contamination Precoding. , 2014, , .		0
103	Secure code design for near field communications. , 2014, , .		0
104	Energy efficient transmission strategies for distributed detection in wireless sensor networks. , 2014, , .		0
105	A real-time implementation of interference neutralization for multi-source multi-hop wireless networks. , 2014, , .		0
106	Robustness of Biologically Inspired Pulse-Coupled Synchronization against Static Attacks. , 2014, , .		0
107	On interleaver design for BICM system with low error-floors. , 2015, , .		0
108	Power allocation of random masked beamforming for guaranteed secure communications. , 2015, , .		0

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109	A user-aware broadcast scheme using rate-adaptive coded transmission. , 2015, , .		0
110	Secure full-duplex relay network using cooperative jamming. , 2017, , .		0
111	Resource allocation scheme for wireless powered wiretap channel. , 2017, , .		0
112	Analysis of Bit-Flipping Algorithm of Irregular Low-Density Parity-Check Codes. , 2020, , .		0
113	Polar Codes for Fast Converging Belief-Propagation Decoding. , 2021, , .		0
114	Deep Neural Network-Based Precoder for Fairness Aware Secure NOMA Scheme. IEEE Transactions on Vehicular Technology, 2022, 71, 5615-5620.	6.3	0