

Jeongseok Ha

List of Publications by Year in descending order

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114
papers

1,612
citations

471509

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345221

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114
all docs

114
docs citations

114
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning-Based Ground Vibration Monitoring: Reinforcement Learning and RNN-CNN Approach. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
2	Rate-Compatible Punctured Polar Codes. IEEE Communications Letters, 2022, 26, 753-757.	4.1	7
3	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
4	Deep-Learning for Breaking the Trapping Sets in Low-Density Parity-Check Codes. IEEE Transactions on Communications, 2022, 70, 2909-2923.	7.8	2
5	Deep Neural Network-Based Precoder for Fairness Aware Secure NOMA Scheme. IEEE Transactions on Vehicular Technology, 2022, 71, 5615-5620.	6.3	0
6	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
7	Polar Codes for Fast Converging Belief-Propagation Decoding. , 2021, , .		0
8	Secure Communications With a Full-Duplex Relay Network Under Residual Self-Interference. IEEE Communications Letters, 2020, 24, 496-500.	4.1	2
9	Deep Artificial Noise: Deep Learning-Based Precoding Optimization for Artificial Noise Scheme. IEEE Transactions on Vehicular Technology, 2020, 69, 3465-3469.	6.3	18
10	A Low-complexity Neural BP Decoder with Network Pruning. , 2020, , .		1
11	Quantum Maximum Likelihood Decoding for Linear Block Codes. , 2020, , .		4
12	Analysis of Bit-Flipping Algorithm of Irregular Low-Density Parity-Check Codes. , 2020, , .		0
13	On the Design of Multi-Edge Type Low-Density Parity-Check Codes. IEEE Transactions on Communications, 2019, 67, 6652-6667.	7.8	6
14	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
15	Artificial Noise Scheme for Correlated MISO Wiretap Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 9323-9327.	6.3	9
16	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
17	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
18	A Two-Bit Weighted Bit-Flipping Decoding Algorithm for LDPC Codes. IEEE Communications Letters, 2018, 22, 874-877.	4.1	11

#	ARTICLE	IF	CITATIONS
19	Efficiently Encodable Multi-Edge Type LDPC Codes for Long-Distance Quantum Cryptography. , 2018, , .		1
20	Increasing Minimum Distance of Polar Codes with Outer Parity-Check Codes. , 2018, , .		2
21	Symmetric Block-wise Concatenated BCH Codes for NAND Flash Memories. IEEE Transactions on Communications, 2018, , 1-1.	7.8	9
22	Artificial-noise-aided secure beamforming in full-duplex wireless-powered relay. , 2018, , .		1
23	On the Secrecy Rate of Artificial Noise Assisted MIMOME Channels with Full-Duplex Receiver. , 2017, , .		5
24	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
25	On the Role of Transmit Correlation Diversity in Multiuser MIMO Systems. IEEE Transactions on Information Theory, 2017, 63, 336-354.	2.4	53
26	An energy-optimized (37840, 34320) symmetric BC-BCH decoder for healthy mobile storages. , 2017, , .		4
27	Secure full-duplex relay network using cooperative jamming. , 2017, , .		0
28	Resource allocation scheme for wireless powered wiretap channel. , 2017, , .		0
29	Serial quasi-primitive BC-BCH codes for NAND flash memories. , 2016, , .		2
30	Detection of pilot contamination attack in the MU-MISOME broadcast channels. , 2016, , .		2
31	A paired-page reading scheme for NAND flash memory. , 2016, , .		3
32	Information set analysis of polar codes. , 2016, , .		4
33	Secret key transmission based on channel reciprocity for secure IoT. , 2016, , .		5
34	RS-LDPC Concatenated Coding for the Modern Tape Storage Channel. IEEE Transactions on Communications, 2016, 64, 59-69.	7.8	9
35	Breaking the Trapping Sets in LDPC Codes: Check Node Removal and Collaborative Decoding. IEEE Transactions on Communications, 2016, 64, 15-26.	7.8	11
36	Secret Key Agreement for Massive MIMO Systems with Two-Way Training under Pilot Contamination Attack. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Robustness of Biologically Inspired Pulse-Coupled Synchronization against Static Attacks. , 2015, , .		3
38	On interleaver design for BICM system with low error-floors. , 2015, , .		0
39	A low-complexity decoding algorithm for concatenated tree codes. , 2015, , .		1
40	Power allocation of random masked beamforming for guaranteed secure communications. , 2015, , .		0
41	A user-aware broadcast scheme using rate-adaptive coded transmission. , 2015, , .		0
42	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
43	Secret Key Agreement With Large Antenna Arrays Under the Pilot Contamination Attack. IEEE Transactions on Wireless Communications, 2015, 14, 6579-6594.	9.2	25
44	User Grouping of Two-Stage MU-MIMO Precoding for Clustered User Geometry. IEEE Communications Letters, 2015, 19, 1458-1461.	4.1	25
45	Secure Antenna Subset Modulation with Coordinate Interleaved Orthogonal Designs. , 2014, , .		3
46	On the Estimation of Slow-Fading Coefficients for Pilot Contamination Precoding. , 2014, , .		0
47	Secure code design for near field communications. , 2014, , .		0
48	Quasi-primitive block-wise concatenated BCH codes for NAND flash memories. , 2014, , .		6
49	Block-Wise Concatenated BCH Codes for NAND Flash Memories. IEEE Transactions on Communications, 2014, 62, 1164-1177.	7.8	37
50	Secure Communications with Untrusted Secondary Nodes in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1790-1805.	9.2	44
51	Energy efficient transmission strategies for distributed detection in wireless sensor networks. , 2014, , .		0
52	A real-time implementation of interference neutralization for multi-source multi-hop wireless networks. , 2014, , .		0
53	Robustness of Biologically Inspired Pulse-Coupled Synchronization against Static Attacks. , 2014, , .		0
54	On the Energy Efficiency of AMC and HARQ-IR With QoS Constraints. IEEE Transactions on Vehicular Technology, 2013, 62, 3261-3270.	6.3	23

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55	Robustness of secret key agreement protocol with massive MIMO under pilot contamination attack. , 2013, , .		7
56	Iterative Demodulation and Decoding of Uplink Multiuser M-ary FSK Using OFDMA Mapping. IEEE Communications Letters, 2013, 17, 1842-1845.	4.1	4
57	RS-Enhanced TCM for Multilevel Flash Memories. IEEE Transactions on Communications, 2013, 61, 1674-1683.	7.8	7
58	Physical layer security for wireless sensor networks. , 2013, , .		7
59	Low-dimensional minimum leakage multiuser beamforming in a multicell system. , 2013, , .		1
60	Channel Aware Encryption and Decision Fusion for Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2013, 8, 619-625.	6.9	35
61	Secret key agreement under an active attack in MU-TDD systems with large antenna arrays. , 2013, , .		9
62	On the Energy Delay Tradeoff of HARQ-IR in Wireless Multiuser Systems. IEEE Transactions on Communications, 2013, 61, 3518-3529.	7.8	21
63	LDPC Codes for the Gaussian Wiretap Channel. Wireless Networks and Mobile Communications, 2013, , 33-46.	1.0	2
64	Secrecy Rate for MISO Rayleigh Fading Channels with Relative Distance of Eavesdropper. IEEE Communications Letters, 2012, 16, 1408-1411.	4.1	12
65	Concatenated BCH codes for NAND flash memories. , 2012, , .		8
66	Orthogonal beamforming for overlay mode of OFDMA-based rural broadband wireless access. , 2012, , .		5
67	Iterative Distributed Amplitude Optimization for Distributed Detection in Wireless Sensor Networks. , 2012, , .		0
68	On the soft information extraction from hard-decision outputs in MLC NAND flash memory. , 2012, , .		1
69	A general distributed consensus algorithm for wireless sensor networks. , 2012, , .		8
70	Secure communications with untrusted secondary users in cognitive radio networks. , 2012, , .		9
71	Perfect Secrecy Over Binary Erasure Wiretap Channel of Type II. IEEE Transactions on Information Forensics and Security, 2012, 7, 1414-1418.	6.9	1
72	On the Achievable Rate for Wideband Channels with Estimated CSI. Journal of Signal Processing Systems, 2012, 66, 75-86.	2.1	1

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73	LDPC Codes for the Gaussian Wiretap Channel. IEEE Transactions on Information Forensics and Security, 2011, 6, 532-540.	6.9	182
74	Channel aware encryption and decision fusion for wireless sensor networks. , 2011, , .		10
75	Secure Type-Based Multiple Access. IEEE Transactions on Information Forensics and Security, 2011, 6, 763-774.	6.9	17
76	Cooperative secure transmission for distributed detection in wireless sensor networks. , 2011, , .		2
77	Code design for type-I wiretap channel thanks. , 2011, , .		1
78	Bounds on Secrecy Capacity Over Correlated Ergodic Fading Channels at High SNR. IEEE Transactions on Information Theory, 2011, 57, 1975-1983.	2.4	106
79	Block triangularization: A new linear precoding strategy for Gaussian MIMO BC. , 2011, , .		2
80	MMSE-based distributed beamforming in cooperative relay networks. , 2011, , .		0
81	Region-of-Interest based pixel domain Wyner-Ziv coding. , 2010, , .		5
82	A New Linear Precoding Strategy for MIMO BC. , 2010, , .		0
83	On the asymptotic performance of TBMA with multichannel diversity over fading channels. , 2010, , .		0
84	Channel-Aware Energy Efficient Transmission Strategies for Large Wireless Sensor Networks. , 2010, , .		1
85	Channel-Aware Energy Efficient Transmission Strategies for Large Wireless Sensor Networks. IEEE Signal Processing Letters, 2010, 17, 643-646.	3.6	8
86	Secure type-based multiple access: Transmission strategy and analysis for perfect secrecy. , 2010, , .		2
87	On multiuser secrecy rate in flat fading channel. , 2009, , .		11
88	LDPC codes for the Gaussian wiretap channel. , 2009, , .		25
89	LDPC for Physical Layer Security. , 2009, , .		21
90	Rate optimization to minimize distortion for source-channel coded H-BLAST with SIC decoding. IEEE Communications Letters, 2009, 13, 115-117.	4.1	1

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91	Asymmetric power allocation to improve convergence rate of iterative receivers with soft cancellation. IEEE Communications Letters, 2009, 13, 579-581.	4.1	3
92	A modified turbo principle for iterative detection and decoding. , 2008, , .		2
93	Optimized puncturing and shortening distributions for nonbinary LDPC codes over the binary erasure channel. , 2008, , .		8
94	Secrecy capacity over correlated ergodic fading channel. , 2008, , .		3
95	A New Design of Iterative Detection and Decoding with Soft Interference Cancellation. , 2008, , .		1
96	On rate-adaptability of nonbinary LDPC codes. , 2008, , .		11
97	Linear-Time Encodable Rate-Compatible Punctured LDPC Codes with Low Error Floors. IEEE Vehicular Technology Conference, 2008, , .	0.4	6
98	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
99	Cholesky Based Efficient Algorithms for the MMSE-SIC Receiver. , 2007, , .		5
100	Low-complexity iterative QRD-M detection algorithm for V-BLAST systems. Electronics Letters, 2007, 43, 1374.	1.0	5
101	A Stopping Criterion for Low-Density Parity-Check Codes. IEEE Vehicular Technology Conference, 2007, , .	0.4	25
102	Layered BP Decoding for Rate-Compatible Punctured LDPC Codes. IEEE Communications Letters, 2007, 11, 440-442.	4.1	14
103	Fast Decoding of Rate-Compatible Punctured LDPC Codes. , 2007, , .		7
104	Rate-compatible punctured low-density parity-check codes with short block lengths. IEEE Transactions on Information Theory, 2006, 52, 728-738.	2.4	153
105	Rate-compatible punctured low-density parity-check codes for ultra wide band systems. , 2005, , .		10
106	Rate-Compatible Puncturing of Low-Density Parity-Check Codes. IEEE Transactions on Information Theory, 2004, 50, 2824-2836.	2.4	282
107	Low-density parity-check codes over gaussian channels with erasures. IEEE Transactions on Information Theory, 2003, 49, 1801-1809.	2.4	19
108	Low-density parity-check codes for volume holographic memory systems. Applied Optics, 2003, 42, 861.	2.1	27

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109	Optimal puncturing distributions for rate-compatible low-density parity-check codes. , 2003, , .		19
110	LDPC Coded OFDM with Alamouti/SVD Diversity Technique. Wireless Personal Communications, 2002, 23, 183-194.	2.7	28
111	Analysis and design of LDPCs over Gaussian channels with erasures. , 0, , .		2
112	Optimal puncturing of irregular low-density parity-check codes. , 0, , .		17
113	Puncturing for finite length low-density parity-check codes. , 0, , .		17
114	Cancellation of ICI by Doppler Effect in OFDM Systems. , 0, , .		5