Jung-Hyun Kim

List of Publications by Year
in descending order

70	368	932766 10	940134 16
papers	citations	h-index	g-index

70	70	70	181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Some Short-Length Girth-8 QC-LDPC Codes From Primes of the Form t ² + 1. IEEE Communications Letters, 2022, 26, 1211-1215.	2.5	4
2	A construction for girthâ€8 QCâ€LDPC codes using Golomb rulers. Electronics Letters, 2022, 58, 582-584.	0.5	9
3	New Framework for Sequences With Perfect Autocorrelation and Optimal Crosscorrelation. IEEE Transactions on Information Theory, 2021, 67, 7490-7500.	1.5	7
4	Some New Constructions of Girth-8 QC-LDPC Codes for Future GNSS. IEEE Communications Letters, 2021, 25, 3780-3784.	2.5	9
5	A construction of 2-sequential-recovery locally repairable codes. , 2021, , .		0
6	Comparison of Various UEP Techniques for IRNSS Message Structure. , 2020, , .		0
7	Hamming correlation properties of the array structure of Sidelnikov sequences. Designs, Codes, and Cryptography, 2019, 87, 2537-2551.	1.0	1
8	Some notes on the binary sequences of length 2nâ€“ 1 with the run property. , 2019, , .		0
9	Some constructions of truncated Gold codes for GNSS. , 2019, , .		4
10	A Concatenated Binary Locally Repairable Codes With Locality 2 Using Puncturing. , 2019, , .		1
11	Some methods for generating sequences with run property. , 2019, , .		0
12	A Construction of Non-binary Polar codes with 4 by 4 kernels. , 2019, , .		2
13	New Design of High-Rate Generalized Root Protograph LDPC Codes for Nonergodic Block Interference. IEEE Communications Letters, 2019, 23, 214-217.	2.5	2
14	A Construction of Odd Length Generators for Optimal Families of Perfect Sequences. IEEE Transactions on Information Theory, 2018, 64, 2901-2909.	1.5	10
15	Analysis of Iterative Erasure Insertion and Decoding of FH/MFSK Systems without Channel State Information. Security and Communication Networks, 2018, 2018, 1-12.	1.0	0
16	Optimal Families of Perfect Polyphase Sequences from Cubic Polynomials. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2359-2365.	0.2	1
17	Binary Locally Repairable Codes With Minimum Distance at Least Six Based on Partial t -Spreads. IEEE Communications Letters, 2017, 21, 1683-1686.	2.5	18
18	Alphabet-Dependent Bounds for Locally Repairable Codes With Joint Information Availability. IEEE Communications Letters, 2017, 21, 1687-1690.	2.5	1

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19	Hypergraph-Based Binary Locally Repairable Codes With Availability. IEEE Communications Letters, 2017, 21, 2332-2335.	2.5	10
20	Interpretation of polar codes with Plotkin construction based on Gaussian approximation. , 2017, , .		3
21	Anti-jamming partially regular LDPC codes for follower jamming with Rayleigh block fading in frequency hopping spread spectrum. , 2016, , .		1
22	Optimal Families of Perfect Polyphase Sequences From the Array Structure of Fermat-Quotient Sequences. IEEE Transactions on Information Theory, 2016, 62, 1076-1086.	1.5	23
23	Families of perfect polyphase sequences from the array structure of Fermat-Quotient sequences and Frank-Zadoff sequences. , 2015, , .		1
24	Binary locally repairable codes from complete multipartite graphs. , 2015, , .		6
25	Performance comparison of LDPC convolutional codes for memory size and encoder block size. , 2013, , .		0
26	Distributed Frequency Synchronization for OFDMA-based wireless mesh networks. , 2013, , .		0
27	Properties and crosscorrelation of decimated Sidelnikov sequences. , 2013, , .		0
28	Combined optimization scheme for degree distributions of LDPC codes. , 2013, , .		0
29	Some properties of 2-dimensional array structure of Sidelnikov sequences of period q^d − 1. , 2013, , .		1
30	Reliability comparison of various regenerating codes for cloud services. , 2013, , .		1
31	Rate allocation for component codes of Plotkin-type UEP codes. , 2012, , .		3
32	The Global Optimality of the MIMO Cooperative System with Source and Relay Precoders for Capacity Maximization. IEEE Transactions on Communications, 2012, 60, 2886-2892.	4.9	4
33	A New Construction of Permutation Arrays. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1855-1861.	0.2	0
34	Trace Representation and Linear Complexity of Binary eth Power Residue Sequences of Period p. IEEE Transactions on Information Theory, 2011, 57, 1530-1547.	1.5	20
35	A Generalization of the Family of p-ary Decimated Sequences With Low Correlation. IEEE Transactions on Information Theory, 2011, 57, 7614-7617.	1.5	12
36	Binary Sequence Pairs with Two-Level Correlation and Cyclic Difference Pairs. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2266-2271.	0.2	13

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37	Quasi-Hadamard matrix. , 2010, , .		1
38	Autocorrelation of New Generalized Cyclotomic Sequences of Period pn. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2345-2348.	0.2	3
39	Variable-to-Check Residual Belief Propagation for informed dynamic scheduling of LDPC codes. , 2008, , .		9
40	Kovalenko's full-rank limit and overheads as lower bounds of error-performances of LDPC and LT codes over binary erasure channels. , 2008, , .		4
41	Joint LDPC Codes for Multi-User Relay Channel. , 2008, , .		6
42	Note on a pair of binary sequences with ideal two-level crosscorrelation. , 2008, , .		5
43	Linear complexity of prime n-square sequences. , 2008, , .		3
44	Modification on the IPEG Algorithm for Constructing LDPC Codes with Low Error Floor. IEEE Vehicular Technology Conference, 2007, , .	0.2	1
45	Collision-Free Interleavers Using Latin Squares for Parallel Decoding of Turbo Codes. IEEE Vehicular Technology Conference, 2007, , .	0.2	2
46	Autocorrelation of Some Quaternary Cyclotomic Sequences of Length 2p. , 2007, , .		0
47	Coded N-ary PPM UWB Impulse Radio with Chaotic Time Hopping and Polarity Randomization. , 2007, , .		3
48	LDPC Code Construction with Low Error Floor Based on the IPEG Algorithm. IEEE Communications Letters, 2007, 11, 607-609.	2.5	13
49	High Security Frequency/Time Hopping Sequence Generators. , 2007, , .		0
50	A Nonlinear Boolean Function with Good Algebraic Immunity. , 2007, , .		2
51	Cross Correlation of Sidel'nikov Sequences and Their Constant Multiples. IEEE Transactions on Information Theory, 2007, 53, 1220-1224.	1.5	25
52	Crosscorrelation of q-ary Power Residue Sequences of Period p. , 2006, , .		11
53	Concatenated LDGM codes with single decoder. IEEE Communications Letters, 2006, 10, 287-289.	2.5	3
54	A Note on Low Correlation Zone Signal Sets. , 2006, , .		1

#	Article	IF	Citations
55	Reduced Complexity Decoding Algorithm of LDPC Codes using Node Elimination. , 2006, , .		0
56	Multi-Axes Modulation for MC-CDMA Systems. , 2006, , .		0
57	Generalization of Tanner's minimum distance bounds for LDPC codes. IEEE Communications Letters, 2005, 9, 240-242.	2.5	5
58	Generalization of Tanner's minimum distance bounds for LDPC codes. IEEE Communications Letters, 2005, 9, 240-242.	2.5	0
59	Frequency Hopping Sequences With Optimal Partial Autocorrelation Properties. IEEE Transactions on Information Theory, 2004, 50, 2438-2442.	1.5	39
60	Two-tuple-balance of nonbinary sequences with ideal two-level autocorrelation. , 2003, , .		4
61	Trace representation of binary e-th residue sequences of period p. , 2003, , .		0
62	Iterative decoding of dual-k convolutional codes. , 2003, , .		1
63	New construction for binary sequences of period p/sup m/-1 with optimal autocorrelation using (z+1)/sup d/+az/sup d/+b. IEEE Transactions on Information Theory, 2001, 47, 1638-1644.	1.5	27
64	On the linear complexity of Hall's sextic residue sequences. IEEE Transactions on Information Theory, 2001, 47, 2094-2096.	1.5	24
65	Expanding generalized Hadamard matrices over Gm by substituting several generalized Hadamard matrices over G. Journal of Communications and Networks, 2001, 3, 361-364.	1.8	2
66	Linear complexity of sequences over arbitrary symbols and constructions of sequences over GF(p/sup) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		0
67	Minimum distance bounds of irregular QC-LDPC codes and their applications. , 0, , .		3
68	Reduced Memory Turbo MAP Decoding Algorithm for Non-binary Orthogonal Signaling. , 0, , .		0
69	Line spectrum analysis of impulse radio UWB systems using a pulse position modulation. , 0, , .		2
70	Concatenated LDGM Codes with Reduced Decoder Complexity. , 0, , .		2