Jaejin Lee

List of Publications by Year
in descending order

54	418	933447	794594
papers	citations	10	19
		h-index	g-index

54	54	54	81
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partial Response Maximum Likelihood Detections Using Two-Dimensional Soft Output Viterbi Algorithm with Two-Dimensional Equalizer for Holographic Data Storage. Japanese Journal of Applied Physics, 2009, 48, 03A033.	1.5	45
2	Iterative Two-Dimensional Soft Output Viterbi Algorithm for Patterned Media. IEEE Transactions on Magnetics, 2011, 47, 594-597.	2.1	44
3	Two-Dimensional SOVA and LDPC Codes for Holographic Data Storage System. IEEE Transactions on Magnetics, 2009, 45, 2260-2263.	2.1	42
4	Two-Dimensional 5:8 Modulation Code for Holographic Data Storage. Japanese Journal of Applied Physics, 2009, 48, 03A031.	1.5	33
5	Rate 5/9 Two-Dimensional Pseudobalanced Code for Holographic Data Storage Systems. Japanese Journal of Applied Physics, 2006, 45, 1293-1296.	1.5	27
6	Twin Iterative Detection for Bit-Patterned Media Recording Systems. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	20
7	Modulation Code and Multilayer Perceptron Decoding for Bit-Patterned Media Recording. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	17
8	Error-Correcting 5/6 Modulation Code for Staggered Bit-Patterned Media Recording Systems. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	13
9	Effective Generalized Partial Response Target and Serial Detector for Two-Dimensional Bit-Patterned Media Recording Channel Including Track Mis-Registration. Applied Sciences (Switzerland), 2020, 10, 5738.	2.5	12
10	One-Dimensional Serial Detection Using New Two-Dimensional Partial Response Target Modeling for Bit-Patterned Media Recording. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	11
11	Modulation coding for flash memories. , 2013, , .		10
12	2-D Non-Isolated Pixel 6/8 Modulation Code. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	10
13	9/12 Two-Dimensional Modulation Code for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	10
14	Holographic Data Storage Channel Model With Intensity Factor. IEEE Transactions on Magnetics, 2009, 45, 2268-2271.	2.1	9
15	Elimination of two‐dimensional intersymbol interference through the use of a 9/12 two‐dimensional modulation code. IET Communications, 2016, 10, 1730-1735.	2.2	9
16	Iterative Channel Detection With LDPC Product Code for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	9
17	Performance of Bit-Patterned Media Recording According to Island Patterns. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	9
18	Iterative Signal Detection Scheme Using Multilayer Perceptron for a Bit-Patterned Media Recording System. Applied Sciences (Switzerland), 2020, 10, 8819.	2.5	8

#	Article	IF	Citations
19	Two-dimensional soft output Viterbi algorithm with noise filter for patterned media storage. Journal of Applied Physics, 2011, 109, 07B742.	2.5	7
20	Error control scheme for high-speed DVD systems. IEEE Transactions on Consumer Electronics, 2005, 51, 1197-1203.	3.6	6
21	Improving SOVA output using extrinsic informations for bit patterned media recording. , 2015, , .		6
22	Signal Detection Under Multipath Intersymbol Interference in Staggered Bit-Patterned Media Recording Systems. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	6
23	Signal Detection Using Extrinsic Information From Neural Networks for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	6
24	An indoor environment VLC-based localization algorithm for handset devices. , 2015, , .		5
25	Modified Viterbi Algorithm with Feedback Using a Two-Dimensional 3-Way Generalized Partial Response Target for Bit-Patterned Media Recording Systems. Applied Sciences (Switzerland), 2021, 11, 728.	2.5	5
26	Extending the Routes of the Soft Information in Turbo Equalization for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2016, 52, 1-6.	2.1	3
27	Iterative decoding of SOVA and LDPC product code for bit-patterned media recoding. AIP Advances, 2018, 8, 056503.	1.3	3
28	Modulation Code for Reducing Intertrack Interference on Staggered Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2020, 10, 5295.	2.5	3
29	Serial Detection with Neural Network-Based Noise Prediction for Bit-Patterned Media Recording Systems. Applied Sciences (Switzerland), 2021, 11, 4387.	2.5	3
30	Soft-Output Detector Using Multi-Layer Perceptron for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 620.	2.5	3
31	Bit-Flipping Scheme Using <i>K</i>-Means Algorithm for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	3
32	Two-Dimensional Interference Estimator with Parallel Structure for Holographic Data Storage Channel. Applied Sciences (Switzerland), 2022, 12, 2112.	2.5	3
33	Parallel Detection Based on a Generalized Partial Response Target for Staggered Bit-Patterned Media Recording Systems. IEEE Access, 2022, 10, 62556-62564.	4.2	3
34	Power allocation scheme for D2D communications in an OFDM-based cellular system. , 2015, , .		2
35	LDPC product coding scheme with extrinsic information for bit patterned media recoding. AIP Advances, 2017, 7, 056513.	1.3	2
36	Three Typical Bit Position Patterns of Bit-Patterned Media Recording. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	2

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37	Simplified Two-Dimensional Generalized Partial Response Target of Holographic Data Storage Channel. Applied Sciences (Switzerland), 2022, 12, 4070.	2.5	2
38	Scheme for Utilizing the Soft Feedback Information in Bit-Patterned Media Recording System. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	1
39	9/12 Two-dimensional modulation code for bit-patterned media recording. , 2016, , .		1
40	Iterative LDPC-LDPC Product Code for Bit Patterned Media. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	1
41	Interpixel interference mitigation using differential coding in vehicular visible light communication based image sensor. , 2018, , .		1
42	4â€ary 14/16 modulation code for reducing twoâ€dimensional interâ€symbol interference. IET Communications, 2020, 14, 1335-1339.	2.2	1
43	Estimating Interference with a Two-Dimensional Viterbi Algorithm for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 2156.	2.5	1
44	One-Dimensional Detection Using Interference Estimation by Multilayered Two-Dimensional General Partial Response Targets for Bit-Patterned Media Recording Systems. Applied Sciences (Switzerland), 2022, 12, 5717.	2.5	1
45	Message-passing iterative decoding between detector and RSC code decoder for PMR channel. IEEE Transactions on Consumer Electronics, 2008, 54, 1750-1754.	3.6	0
46	High recording density hard disk channel equalization using a bilinear recursive polynomial model. IEICE Electronics Express, 2009, 6, 1071-1076.	0.8	0
47	Modulation codes using mixed integer programming approach for multi-level holographic data storage. , 2012, , .		0
48	Worst Case Performance Assessment of DC-Free Guided Scrambling Coding by Integer Programming Model. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
49	Inter-symbol interference compensation for bit patterned media recording storage. , 2015, , .		0
50	Scheme for utilizing the soft feedback information in bit-patterned media recording. , 2016, , .		0
51	Burst error sensing scheme for page-oriented data. , 2016, , .		0
52	Two Serial Multi-Layer Perceptrons for Signal Detection and Modulation Code Decoding for Bit-Patterned Media Recording. , 2021, , .		0
53	Improving Serial Detection Using MAP Algorithm for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 1979.	2.5	0
54	A Multilayer-Perceptron based Method for Track Misregistration Mitigation in Dual-reader/Two-track Reading BPMR Systems. , 2022, , .		0