Jaejin Lee

List of Publications by Year in descending order

54 papers	418 citations	933447 10 h-index	794594 19 g-index
54 all docs	54 docs citations	54 times ranked	81 citing authors

#	Article	IF	Citations
1	Soft-Output Detector Using Multi-Layer Perceptron for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 620.	2.5	3
2	Bit-Flipping Scheme Using K-Means Algorithm for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	3
3	Estimating Interference with a Two-Dimensional Viterbi Algorithm for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 2156.	2.5	1
4	Two-Dimensional Interference Estimator with Parallel Structure for Holographic Data Storage Channel. Applied Sciences (Switzerland), 2022, 12, 2112.	2.5	3
5	Improving Serial Detection Using MAP Algorithm for Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2022, 12, 1979.	2.5	0
6	Simplified Two-Dimensional Generalized Partial Response Target of Holographic Data Storage Channel. Applied Sciences (Switzerland), 2022, 12, 4070.	2.5	2
7	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
8	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
9	A Multilayer-Perceptron based Method for Track Misregistration Mitigation in Dual-reader/Two-track Reading BPMR Systems. , 2022, , .		0
10	Signal Detection Using Extrinsic Information From Neural Networks for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	6
11	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
12	Serial Detection with Neural Network-Based Noise Prediction for Bit-Patterned Media Recording Systems. Applied Sciences (Switzerland), 2021, 11, 4387.	2.5	3
13	Two Serial Multi-Layer Perceptrons for Signal Detection and Modulation Code Decoding for Bit-Patterned Media Recording. , 2021, , .		0
14	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
15	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
16	Modulation Code for Reducing Intertrack Interference on Staggered Bit-Patterned Media Recording. Applied Sciences (Switzerland), 2020, 10, 5295.	2.5	3
17	Iterative Signal Detection Scheme Using Multilayer Perceptron for a Bit-Patterned Media Recording System. Applied Sciences (Switzerland), 2020, 10, 8819.	2.5	8
18	Modulation Code and Multilayer Perceptron Decoding for Bit-Patterned Media Recording. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	17

#	Article	IF	Citations
19	4â€ary 14/16 modulation code for reducing twoâ€dimensional interâ€symbol interference. IET Communications, 2020, 14, 1335-1339.	2.2	1
20	Signal Detection Under Multipath Intersymbol Interference in Staggered Bit-Patterned Media Recording Systems. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	6
21	Error-Correcting 5/6 Modulation Code for Staggered Bit-Patterned Media Recording Systems. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	13
22	Interpixel interference mitigation using differential coding in vehicular visible light communication based image sensor. , 2018, , .		1
23	Iterative decoding of SOVA and LDPC product code for bit-patterned media recoding. AIP Advances, 2018, 8, 056503.	1.3	3
24	Performance of Bit-Patterned Media Recording According to Island Patterns. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	9
25	Three Typical Bit Position Patterns of Bit-Patterned Media Recording. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	2
26	LDPC product coding scheme with extrinsic information for bit patterned media recoding. AIP Advances, 2017, 7, 056513.	1.3	2
27	Iterative Channel Detection With LDPC Product Code for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	9
28	Twin Iterative Detection for Bit-Patterned Media Recording Systems. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	20
29	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
30	9/12 Two-Dimensional Modulation Code for Bit-Patterned Media Recording. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	10
31	Scheme for utilizing the soft feedback information in bit-patterned media recording. , 2016, , .		0
32	Scheme for Utilizing the Soft Feedback Information in Bit-Patterned Media Recording System. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	1
33	9/12 Two-dimensional modulation code for bit-patterned media recording. , 2016, , .		1
34	Elimination of twoâ€dimensional intersymbol interference through the use of a 9/12 twoâ€dimensional modulation code. IET Communications, 2016, 10, 1730-1735.	2.2	9
35	Iterative LDPC-LDPC Product Code for Bit Patterned Media. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	1
36	Burst error sensing scheme for page-oriented data. , 2016, , .		0

#	Article	IF	Citations
37	Improving SOVA output using extrinsic informations for bit patterned media recording. , 2015, , .		6
38	An indoor environment VLC-based localization algorithm for handset devices. , 2015, , .		5
39	Inter-symbol interference compensation for bit patterned media recording storage. , 2015, , .		0
40	Power allocation scheme for D2D communications in an OFDM-based cellular system. , 2015, , .		2
41	2-D Non-Isolated Pixel 6/8 Modulation Code. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	10
42	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
43	Modulation coding for flash memories. , 2013, , .		10
44	Modulation codes using mixed integer programming approach for multi-level holographic data storage. , 2012, , .		0
45	Two-dimensional soft output Viterbi algorithm with noise filter for patterned media storage. Journal of Applied Physics, 2011, 109, 07B742.	2.5	7
46	Iterative Two-Dimensional Soft Output Viterbi Algorithm for Patterned Media. IEEE Transactions on Magnetics, 2011, 47, 594-597.	2.1	44
47	Two-Dimensional 5:8 Modulation Code for Holographic Data Storage. Japanese Journal of Applied Physics, 2009, 48, 03A031.	1.5	33
48	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
49	Holographic Data Storage Channel Model With Intensity Factor. IEEE Transactions on Magnetics, 2009, 45, 2268-2271.	2.1	9
50	Two-Dimensional SOVA and LDPC Codes for Holographic Data Storage System. IEEE Transactions on Magnetics, 2009, 45, 2260-2263.	2.1	42
51	High recording density hard disk channel equalization using a bilinear recursive polynomial model. IEICE Electronics Express, 2009, 6, 1071-1076.	0.8	0
52	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
53	Rate 5/9 Two-Dimensional Pseudobalanced Code for Holographic Data Storage Systems. Japanese Journal of Applied Physics, 2006, 45, 1293-1296.	1.5	27
54	Error control scheme for high-speed DVD systems. IEEE Transactions on Consumer Electronics, 2005, 51, 1197-1203.	3.6	6