

Lars Kildehøj

List of Publications by Year in descending order

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84
papers

780
citations

623734

14
h-index

677142

22
g-index

85
all docs

85
docs citations

85
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	On Resource Allocation of Cooperative Multiple Access Strategy in Energy-Efficient Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 1069-1078.	11.3	15
2	Neural Network based Explicit Mixture Models and Expectation-maximization based Learning. , 2020, , .		3
3	Will Scale-Free Popularity Develop Scale-Free Geo-Social Networks?. IEEE Transactions on Network Science and Engineering, 2019, 6, 587-598.	6.4	3
4	Spectrum Sharing With Network Coding for Multiple Cognitive Users. IEEE Internet of Things Journal, 2019, 6, 230-238.	8.7	3
5	The Golden Quantizer: The Complex Gaussian Random Variable Case. IEEE Wireless Communications Letters, 2018, 7, 312-315.	5.0	1
6	Optimized Cooperative Multiple Access in Industrial Cognitive Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 2666-2676.	11.3	19
7	Greedy Sparse Learning Over Network. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 424-435.	2.8	7
8	Diverse Communication Modes in Cooperative Downlink Non-Orthogonal Multiple Access - Invited Paper. , 2018, , .		0
9	Performance Analysis of Cognitive User Cooperation Using Binary Network Coding. IEEE Transactions on Vehicular Technology, 2018, 67, 7355-7369.	6.3	3
10	Effective Capacity of Retransmission Schemes: A Recurrence Relation Approach. IEEE Transactions on Communications, 2016, 64, 4817-4835.	7.8	19
11	Variable-Rate Anytime Transmission with Feedback. , 2016, , .		1
12	Throughput Analysis of Hybrid-ARQ with A Matrix Exponential Distribution Approach. IEEE Transactions on Communications, 2016, 64, 416-428.	7.8	27
13	Outage Region Characterization for Beamforming in MISO Interference Networks with Imperfect CSI. IEEE Signal Processing Letters, 2015, 22, 2378-2382.	3.6	6
14	MIMO wiretap channels with randomly located eavesdroppers: Large-system analysis. , 2015, , .		1
15	Closed-Form Capacity Result for Interference-Limited Environments With Mixed Fading. IEEE Transactions on Communications, 2015, 63, 2374-2387.	7.8	0
16	Erasure Floor Analysis of Distributed LT Codes. IEEE Transactions on Communications, 2015, 63, 2788-2796.	7.8	8
17	Closed-form capacity formula for multi-antenna cognitive radio networks with asymmetric fading. , 2014, , .		4
18	Cooperation-Based Network Coding in Cognitive Radio Networks. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	A new design framework for LT codes over noisy channels. , 2014, , .		4
20	Asymptotic Throughput and Throughput-Delay Scaling in Wireless Networks: The Impact of Error Propagation. IEEE Transactions on Wireless Communications, 2014, 13, 1974-1987.	9.2	1
21	Large-System Analysis of Correlated MIMO Multiple Access Channels with Arbitrary Signaling in the Presence of Interference. IEEE Transactions on Wireless Communications, 2014, 13, 2060-2073.	9.2	23
22	SEK: sparsity exploiting k-mer-based estimation of bacterial community composition. Bioinformatics, 2014, 30, 2423-2431.	4.1	11
23	Asymptotic properties of dual-hop AF relay MIMO communication systems. , 2014, , .		1
24	Throughput Analysis of ARQ Schemes in Gaussian Block Fading Channels. IEEE Transactions on Communications, 2014, 62, 2569-2588.	7.8	60
25	On the Optimization of the Secondary Transmitter's Strategy in Cognitive Radio Channels with Secrecy. IEEE Journal on Selected Areas in Communications, 2014, 32, 451-463.	14.0	29
26	Uniformly Improving Maximum-Likelihood SNR Estimation of Known Signals in Gaussian Channels. IEEE Transactions on Signal Processing, 2014, 62, 156-167.	5.3	7
27	Rateless Codes for the Multiway Relay Channel. IEEE Wireless Communications Letters, 2014, 3, 457-460.	5.0	5
28	On the Transmit Beamforming for MIMO Wiretap Channels: Large-System Analysis. Lecture Notes in Computer Science, 2014, , 90-102.	1.3	2
29	Combining interference alignment and Alamouti codes for the 3-user MIMO interference channel. , 2013, , .		5
30	Design of LT Codes with Equal and Unequal Erasure Protection over Binary Erasure Channels. IEEE Communications Letters, 2013, 17, 261-264.	4.1	33
31	Reduced-complexity decoding of LT codes over noisy channels. , 2013, , .		3
32	On the scalability of cognitive radio: assessing the commercial viability of secondary spectrum access. IEEE Wireless Communications, 2013, 20, 28-36.	9.0	17
33	On Beamforming and Orthogonal Space-Time Coding in Cognitive Networks with Partial CSI. IEEE Transactions on Communications, 2013, 61, 961-972.	7.8	0
34	Multi-cell cooperation with random user locations under arbitrary signaling. , 2013, , .		1
35	Delay-exponent of decode-forward streaming. , 2013, , .		3
36	Large-system analysis of the K-hop AF MIMO relay channel with arbitrary inputs. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
37	On achievable rate regions at large-system limit in full-duplex wireless local access. , 2013, , .		10
38	Design of spatially-coupled rateless codes. , 2012, , .		4
39	Low complexity adaptive antenna selection for cognitive radio MIMO broadcast channels. , 2012, , .		1
40	Anytime reliability of systematic LDPC convolutional codes. , 2012, , .		14
41	On the asymptotic sum-rate of the relay-assisted amplify-and-forward cognitive MIMO channel. , 2012, , .		0
42	On combined beamforming and OSTBC over the cognitive radio Z-channel with partial CSI. , 2012, , .		2
43	On the asymptotic sum-rate of uplink MIMO cellular systems in the presence of non-Gaussian inter-cell interference. , 2012, , .		3
44	On the discrete superposition model of partially cognitive interference channels. , 2012, , .		1
45	Unequal error protection of LT codes over noisy channels. , 2012, , .		14
46	Power allocation for multi-hop decode-and-forward cognitive radio networks with line topology. , 2012, , .		3
47	Cooperative communication in multi-source line networks. , 2012, , .		3
48	Cooperation for secure broadcasting in cognitive radio networks. , 2012, , .		16
49	MIMO ARQ With Multibit Feedback: Outage Analysis. IEEE Transactions on Information Theory, 2012, 58, 765-779.	2.4	27
50	Error propagation and the achievable throughput-delay trade-off in wireless networks. , 2011, , .		0
51	Relay-Aided Broadcasting with Instantaneously Decodable Binary Network Codes. , 2011, , .		21
52	Optimal power allocation in multi-hop cognitive radio networks. , 2011, , .		2
53	Unifying Analysis and Design of Rate-Compatible Concatenated Codes. IEEE Transactions on Communications, 2011, 59, 343-351.	7.8	9
54	Optimal Power Control for LDPC Codes in Block-Fading Channels. IEEE Transactions on Communications, 2011, 59, 1759-1765.	7.8	4

#	ARTICLE	IF	CITATIONS
55	Design of Multi-Edge-Type Bilayer-Expurgated LDPC Codes for Decode-and-Forward in Relay Channels. IEEE Transactions on Communications, 2011, 59, 2993-3006.	7.8	22
56	Error Floor Analysis of LT Codes over the Additive White Gaussian Noise Channel. , 2011, , .		67
57	Efficient scheduling for relay-aided broadcasting with random network codes. , 2011, , .		6
58	Serially concatenated LT code with DQPSK modulation. , 2011, , .		8
59	Myopic multi-hop transmission strategies in layered wireless networks. , 2011, , .		2
60	Outage Exponents of Block-Fading Channels With Power Allocation. IEEE Transactions on Information Theory, 2010, 56, 2373-2381.	2.4	9
61	Bounding of MAP decode and forward relaying. , 2010, , .		5
62	Outage diversity of MIMO block-fading channels with causal channel state information. , 2010, , .		2
63	Error bounds for decode-and-forward relaying. , 2010, , .		3
64	Check splitting of root-check LDPC codes over ARQ block-fading channels. , 2010, , .		7
65	Power allocation for block-fading channels with arbitrary input constellations. IEEE Transactions on Wireless Communications, 2009, 8, 2514-2523.	9.2	16
66	Classification of Unique Mappings for 8PSK Based on Bit-Wise Distance Spectra. IEEE Transactions on Information Theory, 2009, 55, 1131-1145.	2.4	20
67	Optimal Puncturing Ratios and Energy Allocation for Multiple Parallel Concatenated Codes. IEEE Transactions on Information Theory, 2009, 55, 2062-2077.	2.4	10
68	Rate-Diversity-Delay Tradeoff for ARQ Systems over MIMO Block-Fading Channels. , 2009, , .		7
69	MIMO ARQ Systems with multi-Level feedback. , 2009, , .		9
70	Iterative Switched Decoding for Interleave-Division Multiple-Access Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 1939-1944.	6.3	6
71	Optimal Throughput-Diversity-Delay Tradeoff in MIMO ARQ Block-Fading Channels. IEEE Transactions on Information Theory, 2008, 54, 3968-3986.	2.4	39
72	Linear detection in iterative joint multiuser decoding. , 2008, , .		1

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73	Power control for block-fading channels with peak-to-average power constraints. , 2008, , .		1
74	Recursive interference cancellation based on simplified belief propagation. , 2008, , .		1
75	Asymptotic outage performance of power allocation in block-fading channels. , 2008, , .		2
76	Classification of 8PSK Mappings for BICM. , 2007, , .		8
77	Analysis and Computation of the Outage Probability of Discrete-Input Block-Fading Channels. , 2007, , .		2
78	Optimal SNR Exponent for Discrete-Input MIMO ARQ Block-Fading Channels. , 2007, , .		0
79	A General Structure for Rate-Compatible Concatenated Codes. IEEE Communications Letters, 2007, 11, 437-439.	4.1	10
80	Power Allocation for Discrete-Input Non-Ergodic Block-Fading Channels. , 2007, , .		5
81	On the design of rate-compatible serially concatenated convolutional codes. European Transactions on Telecommunications, 2007, 18, 519-527.	1.2	11
82	A Tight Lower Bound to the Outage Probability of Discrete-Input Block-Fading Channels. IEEE Transactions on Information Theory, 2007, 53, 4314-4322.	2.4	21
83	Belief Propagation for Coded Multiuser Detection. , 2006, , .		9
84	Relative Performance of BPSK and QPSK in the Presence of Complex Multiuser CDMA Interference. Wireless Personal Communications, 2000, 13, 237-256.	2.7	1