

Lei Cao

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed STBC With Soft Information Relay Based on Gaussian Approximation. IEEE Signal Processing Letters, 2012, 19, 599-602.	3.6	66
2	Test-pattern-reduced decoding for turbo product codes with multi-error-correcting eBCH codes. IEEE Transactions on Communications, 2009, 57, 307-310.	7.8	25
3	A novel product coding and recurrent alternate decoding scheme for image transmission over noisy channels. IEEE Transactions on Communications, 2003, 51, 1426-1431.	7.8	20
4	Analysis and Design of Physical Layer Raptor Codes. IEEE Communications Letters, 2018, 22, 450-453.	4.1	19
5	Distributed Turbo Product Codes over Multiple Relays. , 2010, , .		13
6	Multi-User Cooperative Communications with Relay-Coding for Uplink IMT-Advanced 4G Systems. , 2009, , .		12
7	Divergence-Based Soft Decision for Error Resilient Decentralized Signal Detection. IEEE Transactions on Signal Processing, 2014, 62, 5095-5106.	5.3	12
8	Improved Fountain Codes for BI-AWGN Channels. , 2017, , .		11
9	Soft-Decision-Based Distributed Detection With Correlated Sensing Channels. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1435-1449.	4.7	11
10	Hard decision based distributed detection in multi-sensor system over noise correlated sensing channels. , 2016, , .		9
11	Noise Correlation Effect on Detection: Signals in Equicorrelated or Autoregressive(1) Gaussian. IEEE Signal Processing Letters, 2017, 24, 1078-1082.	3.6	9
12	Rate and power efficient image compressed sensing and transmission. Journal of Electronic Imaging, 2016, 25, 013024.	0.9	7
13	Soft-decision based distributed detection over correlated sensing channels. , 2017, , .		7
14	Combining techniques and segment selective repeat on turbo coded hybrid ARQ. , 2004, , .		6
15	Improved decoding for Raptor codes with short block-lengths over BIAWGN channel. , 2016, , .		6
16	Combined-chain nested sampling for efficient Bayesian model comparison. , 2017, 70, 84-93.		6
17	Generous Throughput Oriented Channel Assignment for Infra-Structured WiFi Networks. , 2017, , .		6
18	Non-Symmetric Decomparing for Improved Performance of Companded OFDM Systems. IEEE Transactions on Wireless Communications, 2007, 6, 2803-2806.	9.2	5

#	ARTICLE	IF	CITATIONS
19	Turbo Decoder for Low-Power Ultrawideband Communication Systems. International Journal of Digital Multimedia Broadcasting, 2008, 2008, 1-7.	0.6	5
20	On Succinctness of Geometric Greedy Routing in Euclidean Plane. , 2009, , .		5
21	Soft Incremental Redundancy for Distributed Turbo Product Codes. , 2010, , .		5
22	Decoding of short LT codes over BIAWGN channels with Gauss-Jordan elimination-assisted belief propagation method. , 2015, , .		4
23	Distributed Source Coding Under Noisy Transmission Environments. , 2007, , .		3
24	Analysis of robust Soliton distribution for LT code. , 2012, , .		3
25	Multi-scale image compressed sensing with optimized transmission. , 2013, , .		3
26	Asymptotic analysis and optimization design of physical layer systematic rateless codes. , 2018, , .		3
27	Throughput and Channel Occupancy Time fairness trade-off for Downlink LAA-Cat4 and WiFi Coexistence Based on Markov Chain (poster). , 2018, , .		3
28	Markov Chain Based Performance Analysis of LAA and WiFi Coexistence in Dual Carrier Aggregation. , 2019, , .		3
29	Performance of Two-Sensors Tandem Network for Detecting Deterministic Signals in Correlated Gaussian Noise. , 2020, , .		3
30	Average Operation Time of Bundle Protocol in Delay/Disruption-Tolerant Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5801-5813.	9.2	3
31	On the performance of turbo codes-based hybrid ARQ with segment selective repeat in WCDMA. Journal of Communications and Networks, 2006, 8, 212-219.	2.6	2
32	Relay-Coded Multi-User Cooperative Communications for Uplink LTE-Advanced 4G Systems. , 2009, , .		2
33	Power Allocation for Distributed Turbo Product Codes (DTPC). , 2010, , .		2
34	Joint Distributed Space-Time Block Coding with Distributed Turbo Product Code (DSTBC-DTPC). , 2011, , .		2
35	BER analysis and power allocation for cooperative diversity networks with distributed Alamouti code. Wireless Communications and Mobile Computing, 2015, 15, 1155-1170.	1.2	2
36	On unequal error protection raptor codes. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	On the performance of LT codes over BIAWGN channel. , 2016, , .		2
38	Divergence and Bayes error based soft decision for decentralized signal detection of correlated sensor data. , 2016, , .		2
39	Protocol Design for Content Transfer in Deep Space Network. , 2017, , .		2
40	Decentralized Detection of Signals with Joint Clayton Copula Distribution Model. , 2018, , .		2
41	Coupling Effect of Single-Threshold Sensor Rules in Two-Sensor Tandem Network. , 2021, , .		2
42	Performance of XOR Rule for Decentralized Detection of Deterministic Signals in Bivariate Gaussian Noise. IEEE Access, 2022, 10, 8092-8102.	4.2	2
43	Turbo-coded hybrid arq using various segment selective repeat. , 0, , .		1
44	MAP Decoding of Variable Length Codes With Self-Synchronization Strings. IEEE Transactions on Signal Processing, 2007, 55, 4325-4330.	5.3	1
45	Channel Mean Forwarded Regenerative Cooperative Demodulation in OFDM Systems. , 2008, , .		1
46	Cooperative Communications with Multiple Sources and Relays in Ad-Hoc Networks. , 2010, , .		1
47	A Relay-Coding Matrix for Multi-User Cooperative Communications. , 2011, , .		1
48	Symbol Detection with Network Coding in Wireless Channels. IEEE Communications Letters, 2013, 17, 1528-1531.	4.1	1
49	Assigning priors for parameters constrained to a simplex region. , 2014, , .		1
50	Design-as-inference: Probability-based design of intermodal transportation networks. , 2014, , .		1
51	Exploiting Correlation in Distributed Cooperative Compressive Wideband Spectrum Sensing. , 2019, , .		1
52	Dynamic Code Selection Method for Content Transfer in Deep-Space Network. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 456-474.	4.7	1
53	Performance of Raptor Codes on the BIAWGN Channel in the Presence of SNR Mismatch. , 2020, , .		1
54	Constrained SOVA decoding in concatenated codes. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
55	MAP decoding of variable length codes with self-synchronization strings. , 0, , .		0
56	Self-Synchronization Strings in Huffman Equivalent Codes. , 2006, , .		0
57	Constrained Turbo Decoding with Bit Based Early Detection. , 2006, , .		0
58	Interleaved and Dynamic Segment Selective Repeat-Based Turbo Coded Hybrid ARQ. , 2006, , .		0
59	UEP for Progressive Image Transmission with GA-based Optimization. , 2007, , .		0
60	Performance Bounds on Turbo Coded Hybrid ARQ. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	0
61	Adaptive Space-Time Multiband-OFDM UWB Scheme with OFDM-Based Channel Models. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
62	Joint Source and Space Time Decoding over Fading Channels. IEEE Transactions on Wireless Communications, 2008, 7, 831-836.	9.2	0
63	Error performance of cooperative diversity with distributed space-time code. , 2012, , .		0
64	Tightened upper bounds for distributed Alamouti's code with a non-regenerative relay. , 2012, , .		0
65	Distributed Detection of Correlated Signal Using Markov Chain Monte Carlo (Poster). , 2018, , .		0
66	Generalized Cooperative Spectrum Sharing Scheme for Internet of Things Systems. , 2018, , .		0
67	Detection Performance Comparison of Two-Sensor Parallel and Tandem Distributed Detection Networks. , 2021, , .		0
68	Performance of Bundle Protocol with Turbo Code over different Channel Conditions. , 2022, , .		0