

Predrag Ivanis

List of Publications by Year in descending order

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54
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-Tolerant Probabilistic Gradient-Descent Bit Flipping Decoder. IEEE Communications Letters, 2014, 18, 1487-1490.	4.1	62
2	Ergodic Capacity for TAS/MRC Spectrum Sharing Cognitive Radio. IEEE Communications Letters, 2012, 16, 321-323.	4.1	46
3	Performance Analysis of Nonlinear Energy-Harvesting DF Relay System in Interference-Limited Nakagami- m Fading Environment. ETRI Journal, 2017, 39, 803-812.	2.0	19
4	Error Error Eicitur: A Stochastic Resonance Paradigm for Reliable Storage of Information on Unreliable Media. IEEE Transactions on Communications, 2016, 64, 3596-3608.	7.8	18
5	On Fault Tolerance of the Gallager B Decoder Under Data-Dependent Gate Failures. IEEE Communications Letters, 2015, 19, 1299-1302.	4.1	17
6	The Second Order Statistics of Maximal Ratio Combining with Unbalanced Branches. IEEE Communications Letters, 2008, 12, 508-510.	4.1	15
7	Analysis of one-step majority logic decoding under correlated data-dependent gate failures. , 2014, , .		15
8	On the Effects of Correlation on Outage Performance of FSO-Unbalanced Multibranch SC Receiver. IEEE Photonics Technology Letters, 2016, 28, 1348-1351.	2.5	15
9	Level Crossing Rates of Ricean MIMO Channel Eigenvalues for Imperfect and Outdated CSI. IEEE Communications Letters, 2007, 11, 775-777.	4.1	13
10	Efficient realization of probabilistic gradient descent bit flipping decoders. , 2015, , .		13
11	Fault-resilient decoders and memories made of unreliable components. , 2015, , .		11
12	Level Crossing Rates in Transmit Beamforming Systems. IEEE Communications Letters, 2007, 11, 246-248.	4.1	10
13	Performance Evaluation of Adaptive MIMO-MRC Systems with Imperfect CSI by a Markov Model. IEEE Vehicular Technology Conference, 2007, , .	0.4	9
14	MUDRI: A fault-tolerant decoding algorithm. , 2015, , .		9
15	Closed-Form Level Crossing Rates Expressions of Orthogonalized Correlated MIMO Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 1910-1916.	6.3	8
16	Statistical analysis of CQI reporting and MIMO utilization for downlink scheduling in live LTE mobile network. Telfor Journal, 2020, 12, 8-12.	0.7	8
17	Approaching maximum likelihood performance of LDPC codes by stochastic resonance in noisy iterative decoders. , 2016, , .		7
18	Effects of LDPC Code on the BER Performance of MPSK System with Imperfect Receiver Components over Rician Channels. ETRI Journal, 2009, 31, 619-621.	2.0	6

#	ARTICLE	IF	CITATIONS
19	Reliability of Memories Built From Unreliable Components Under Data-Dependent Gate Failures. IEEE Communications Letters, 2015, 19, 2098-2101.	4.1	6
20	Low complexity memory architectures based on LDPC codes: Benefits and disadvantages. , 2015, , .		5
21	Guaranteed error correction of faulty bit-flipping decoders under data-dependent gate failures. , 2016, , .		5
22	Majority Logic Decoding Under Data-Dependent Logic Gate Failures. IEEE Transactions on Information Theory, 2017, 63, 6295-6306.	2.4	5
23	Predictive Capacity Planning for Mobile Networks – ML Supported Prediction of Network Performance and User Experience Evolution. Electronics (Switzerland), 2022, 11, 626.	3.1	5
24	Ergodic Capacity of Spectrum Sharing Systems with OSTBC in Nakagami Fading. IEEE Communications Letters, 2012, 16, 1500-1503.	4.1	4
25	Impact of correlation on outage performance of FSO system with switch-and-stay diversity receiver. , 2015, , .		3
26	Outage Probability and Ergodic Capacity of Spectrum-Sharing Systems with MRC Diversity. Frequenz, 2016, 70, .	0.9	3
27	Performance Analysis of Underlay Cognitive Radio System with Self-Sustainable Relay and Statistical CSI. Sensors, 2021, 21, 3727.	3.8	3
28	Outage Probability of SINR for Underlay Cognitive Radio Systems in Nakagami Fading. Frequenz, 2014, 68, .	0.9	2
29	Cross-Layer Combining of Adaptive Modulation and Truncated ARQ in Multichannel Beamforming MIMO Systems. Radioengineering, 2015, 24, 1050-1059.	0.6	2
30	Performance evaluation of faulty iterative decoders using absorbing Markov chains. , 2016, , .		2
31	Multi-bit flipping algorithms with probabilistic gradient descent. , 2017, , .		2
32	Analysis and Design of LDPC Codes for FTN Signaling with Finite Number of Turbo Iterations. , 2019, , .		2
33	Faster than Nyquist signaling with limited computational resources. Physical Communication, 2021, 47, 101403.	2.1	2
34	Software implementation of data compression algorithms and their comparative analysis. , 2011, , .		1
35	Taylor-Kuznetsov fault-tolerant memories: A survey and results under correlated gate failures. , 2013, , .		1
36	Complexity and performance of QC-MDPC code-based McEliece cryptosystems. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Performance of Spectrum Sharing System in Gamma Shadowed Nakagami-m Fading Environment. Wireless Personal Communications, 2016, 86, 1717-1729.	2.7	1
38	Hard-decision decoding of LDPC codes under timing errors: Overview and new results. , 2017, , .		1
39	Statistical Analysis of CQI Reporting and MIMO Utilization for Downlink Scheduling in Live LTE Mobile Network. , 2019, , .		1
40	Energy detector performance in Rician fading channel. Serbian Journal of Electrical Engineering, 2013, 10, 37-46.	0.4	1
41	Applicability of single- and two-hidden-layer neural networks in decoding linear block codes. , 2021, , .		1
42	Packet Error Statistics in a MIMO-MRC Transmission over Rayleigh Fading Channels. , 2007, , .		0
43	The second-order statistics of one-ring MIMO model and its applications. , 2011, , .		0
44	The second order statistics of a two-branch MRC with power unbalanced Nakagami distributed branches. , 2011, , .		0
45	Symbolic analysis of faulty logic circuits in the presence of correlated gate failures. , 2013, , .		0
46	Analysis of SIR for spectrum sharing system with OSTBC in Nakagami fading. , 2013, , .		0
47	Message-aggregation enhanced iterative hard-decision decoders. , 2016, , .		0
48	Stochastic resonance in iterative decoding: Message passing and gradient descent bit flipping. , 2017, , .		0
49	Performance Analysis of DDPSK Receiver for Applications in IoT Systems. , 2019, , .		0
50	Symbolic analysis of faulty logic circuits under correlated data-dependent gate failures. Telfor Journal, 2014, 6, 2-6.	0.7	0
51	Performance analysis of faulty Gallager-B decoding of QC-LDPC codes with applications. Telfor Journal, 2014, 6, 7-11.	0.7	0
52	Ergodic Capacity Analysis of Cognitive System with Self-Sustainable Relay and Statistical CSI. , 2021, , .		0
53	Suspicion Distillation Gradient Descent Bit-Flipping Algorithm. Entropy, 2022, 24, 558.	2.2	0