

Pradeepa Yahampath

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Orthonormal Matrix Codebook Design for Adaptive Transform Coding. , 2022, , .		2
2	An Extension to Source-Channel Coding of Correlated Gaussian Sources for a Fading GMAC Using TCVQ. , 2022, , .		0
3	A Trellis-Coded Quantization Approach to Transmitting Correlated Gaussian Sources Over a Fading MAC Without Transmitter-CSI. IEEE Transactions on Communications, 2021, 69, 2975-2986.	7.8	1
4	On Achievable Distortion in Sending Gaussian Sources over a Bandwidth-Matched Gaussian MAC with No Transmitter CSI. Entropy, 2019, 21, 992.	2.2	2
5	Digital-Analog Superposition Coding for Ofdm Channels with Application To Video Transmission. , 2018, , .		0
6	On linear analog coding of sources with memory over fading and broadcast channels with correlated noise. , 2017, , .		0
7	Hybrid Digital-Analog Communication of a Bivariate Gaussian Source over a Fading MAC. , 2016, , .		0
8	Co-simulation of Power System and Synchrophasor Communication Network on a Single Simulation Platform. Technology and Economics of Smart Grids and Sustainable Energy, 2016, 1, 1.	2.6	6
9	Steepest-Descent Optimization of CDMA Signatures for Multiple Correlated Sources With Applications to Joint Source-Channel Coding. IEEE Transactions on Communications, 2015, 63, 1343-1354.	7.8	3
10	Optimal CDMA signatures for correlated sources with a multi-antenna receiver. , 2015, , .		0
11	A queueing theoretic model for opportunistic network coding. , 2013, , .		2
12	Queueing-theoretic modeling of a PMU communication network. , 2013, , .		4
13	Distributed Joint Source-Channel Coding Using Unequal Error Protection LDPC Codes. IEEE Transactions on Communications, 2013, 61, 3472-3482.	7.8	19
14	Distributed transform coding via source-splitting. , 2012, , .		0
15	Design of Low-Delay Distributed Joint Source-Channel Codes Using Irregular LDPC Codes. , 2012, , .		2
16	Distributed joint source-channel coding of correlated binary sources in wireless sensor networks. , 2011, , .		10
17	Codebook Design for Memory-Based Quantization of Precoder Matrix in Low-Rate Feedback MIMO Systems with Temporally Correlated Fading. , 2010, , .		0
18	On Construction and Simulation of Autoregressive Sources With Near-Laplace Marginals. IEEE Transactions on Signal Processing, 2010, 58, 5550-5559.	5.3	2

#	ARTICLE	IF	CITATIONS
19	Joint source decoding in large scale sensor networks using Markov random field models. , 2009, , .		4
20	On simulation of first-order auto-regressive processes with near Laplace marginals. , 2009, , .		0
21	Low-complexity iterative detection and decoding in finite geometry LDPC-coded MIMO systems. , 2009, , .		1
22	Design of scalable decoders for sensor networks via Bayesian network learning. IEEE Transactions on Communications, 2009, 57, 2868-2871.	7.8	10
23	Cosntruction of a scalable decoder for a wireless sensor network using Bayesian networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
24	Predictive Vector Quantizer Design for Distributed Source Coding. , 2007, , .		9
25	Correlation Model for Uniform Scalar Quantizers with Arbitrary Representation Levels. , 2007, , .		1
26	Vector quantisation for finite-state Markov channels and application to wireless communications. European Transactions on Telecommunications, 2007, 18, 327-342.	1.2	2
27	Multiple-Description Predictive-Vector Quantization With Applications to Low Bit-Rate Speech Coding Over Networks. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 749-755.	3.2	9
28	CTH04-2: A Multiple-Description Trellis Quantizer for Sources With Memory. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
29	A finite-state vector quantizer for noisy channels. , 2002, , .		1