

Kenneth Rose

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

467
citations

11
h-index

18
g-index

106
ext. papers

618
ext. citations

3.9
avg, IF

3.83
L-index

#	Paper	IF	Citations
78	Effective Prediction Modes Design for Adaptive Compression With Application in Video Coding.. <i>IEEE Transactions on Image Processing</i> , 2022 , 31, 636-647	8.7	
77	Quantizer Design to Exploit Common Information in Layered and Scalable Coding. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 1787-1796	4.8	
76	Spherical Video Coding with Geometry and Region Adaptive Transform Domain Temporal Prediction 2020 ,		1
75	Optical Flow Based Co-located Reference Frame for Video Compression. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	2
74	2019 ,		1
73	2019 ,		2
72	Advances in Classification and Compression of Power Quality Signals. <i>Journal of Control, Automation and Electrical Systems</i> , 2019 , 30, 402-412	1.5	6
71	Motion Compensated Prediction for Translational Camera Motion in Spherical Video Coding 2018 ,		2
70	Rotational motion model for temporal prediction in 360 video coding 2017 ,		15
69	Adaptive interpolated motion compensated prediction 2017 ,		1
68	An error-resilient video coding framework with soft reset and end-to-end distortion optimization 2017 ,		2
67	On generalizing the estimation-theoretic framework to scalable video coding with quadtree structured block partitions 2017 ,		1
66	Transform domain temporal prediction with extended blocks 2016 ,		2
65	Recursive end-to-end distortion estimation for error-resilient adaptive predictive compression systems 2016 ,		1
64	Estimation of roughness-induced scattering losses in III-nitride laser diodes with a photoelectrochemically etched current aperture. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 953-957	1.6	0
63	Combinatorial Message Sharing and a New Achievable Region for Multiple Descriptions. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 769-792	2.8	8
62	Quantizer design for exploiting common information in layered coding 2016 ,		1

61	Analog multiple descriptions: A zero-delay source-channel coding approach 2016 ,		1
60	Estimation of roughness-induced scattering losses in III-nitride laser diodes with a photoelectrochemically etched current aperture (Phys. Status Solidi A 400 (16)). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 1096-1096	1.6	
59	2D hidden Markov model with spatially adaptive state-space for tracing many cells in image sequence 2015 ,		2
58	Asymptotic closed-loop design for transform domain temporal prediction 2015 ,		5
57	Deterministic Annealing-Based Optimization for Zero-Delay Source-Channel Coding in Networks. <i>IEEE Transactions on Communications</i> , 2015 , 63, 5089-5100	6.9	8
56	The Lossy Common Information of Correlated Sources. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 3238-3253	2.8	15
55	Cascaded Long Term Prediction for Enhanced Compression of Polyphonic Audio Signals. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014 , 22, 697-710	3.6	1
54	A pre-filtering approach to exploit decoupled prediction and transform block structures in video coding 2014 ,		3
53	On relaxing the strict hierarchical constraints in layered coding of audio signals 2014 ,		2
52	2014 ,		16
51	Hidden Markov model-based multi-modal image fusion with efficient training 2014 ,		3
50	Joint inter-intra prediction based on mode-variant and edge-directed weighting approaches in video coding 2014 ,		8
49	Optimization of zero-delay mappings for distributed coding by deterministic annealing 2014 ,		3
48	On Zero-Delay Source-Channel Coding. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 7473-7489	2.8	36
47	On Constrained Randomized Quantization. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 3291-3302	4.8	6
46	A joint spatio-temporal filtering approach to efficient prediction in video compression 2013 ,		4
45	Joint Optimization of Base and Enhancement Layers in Scalable Audio Coding. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013 , 21, 711-724		2
44	On Optimal Jamming Over an Additive Noise Channel 2013 ,		7

43	On Conditions for Linearity of Optimal Estimation. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 3497-3508	2.8	13
42	Bidirectional cascaded long term prediction for frame loss concealment in polyphonic audio signals 2012 ,		1
41	Hidden Markov models for tracking neuronal structure contours in electron micrograph stacks 2012 ,		1
40	On common information and the encoding of sources that are not successively refinable 2012 ,		4
39	Deformable trellises on factor graphs for robust microtubule tracking in clutter 2012 ,		2
38	On multidimensional optimal estimators: Linearity conditions 2011 ,		1
37	Jointly Optimized Mode Decisions in Redundant Video Streaming. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 513-518	6.4	6
36	Transform-domain temporal prediction in video coding with spatially adaptive spectral correlations 2011 ,		4
35	A spectral approach to recursive end-to-end distortion estimation for sub-pixel motion-compensated video coding 2011 ,		3
34	Cascaded long term prediction for coding polyphonic audio signals 2011 ,		3
33	A necessary and sufficient condition for transform optimality in source coding 2011 ,		1
32	Combinatorial Message Sharing for a refined multiple descriptions achievable region 2011 ,		8
31	Towards optimum cost in multi-hop networks with arbitrary network demands 2010 ,		3
30	Optimal delayed decoding of predictively encoded sources 2010 ,		3
29	Joint optimization of the perceptual core and lossless compression layers in scalable audio coding 2010 ,		3
28	Graphical Model-Based Tracking of Curvilinear Structures in Bio-image Sequences 2010 ,		1
27	On optimum communication cost for joint compression and dispersive information routing 2010 ,		8
26	2010 ,		11

25	Fusion Coding of Correlated Sources for Storage and Selective Retrieval. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 1722-1731	4.8	
24	Robust Distributed Source Coder Design by Deterministic Annealing. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 859-868	4.8	5
23	On Scalable Distributed Coding of Correlated Sources. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 2875-2883	4.8	7
22	Towards jointly optimal spatial prediction and adaptive transform in video/image coding 2010 ,		40
21	Optimal mappings for joint source channel coding 2010 ,		29
20	Optimized Analog Mappings for Distributed Source-Channel Coding 2010 ,		22
19	A recursive optimal spectral estimate of end-to-end distortion in video communications 2010 ,		4
18	Estimation-Theoretic Delayed Decoding of Predictively Encoded Video Sequences 2010 ,		8
17	On conditions for linearity of optimal estimation 2010 ,		21
16	Trellis-Based Approaches to Rate-Distortion Optimized Audio Encoding. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2010 , 18, 330-341		4
15	Scalable distributed source coding 2009 ,		1
14	On Complementary Graph Entropy. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 2537-2546	2.8	1
13	Distributed Predictive Coding for Spatio-Temporally Correlated Sources. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 4066-4075	4.8	2
12	A perceptually enhanced Scalable-to-Lossless audio coding scheme and a trellis-based approach for its optimization 2009 ,		2
11	Distributed Multi-stage Coding of Correlated Sources. <i>Proceedings of the Data Compression Conference</i> , 2008 ,		2
10	Macroblock-based retransmission for error-resilient video streaming 2008 ,		2
9	Fast adaptive Mahalanobis distance-based search and retrieval in image databases 2008 ,		4
8	First-order distortion estimation for efficient video streaming at moderate to high packet loss rates 2007 ,		3

7	Adaptive Cluster-Distance Bounding for Nearest Neighbor Search in Image Databases 2007 ,		2
6	An MDCT Domain Frame-Loss Concealment Technique for MPEG Advanced Audio Coding 2007 ,		3
5	Distributed Predictive Coding For Spatio-Temporally Correlated Sources 2007 ,		4
4	Challenges and Recent Advances in Distributed Predictive Coding 2007 ,		2
3	Advances in Recursive Per-Pixel End-to-End Distortion Estimation for Robust Video Coding in H.264/AVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 845-856	6.4	45
2	A conditional enhancement-layer quantizer for the scalable MPEG advanced Audio Coder 2002 ,		1
1	A fractals-inspired approach to binary image database indexing and retrieval. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2000 , 55, 194-200		2