Ertem Tuncel

List of Publications by Year
in descending order

83 papers	1,137 citations	471061 17 h-index	525886 27 g-index
83 all docs	83 docs citations	83 times ranked	524 citing authors

#	ARTICLE	IF	CITATIONS
1	Slepian-Wolf coding over broadcast channels. IEEE Transactions on Information Theory, 2006, 52, 1469-1482.	1.5	134
2	Image sequence analysis for emerging interactive multimedia services-the European COST 211 framework. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 802-813.	5.6	114
3	Vector approximation based indexing for non-uniform high dimensional data sets. , 2000, , .		82
4	Rate regions for the separated two-way relay channel. , 2008, , .		75
5	Wyner–Ziv Coding Over Broadcast Channels: Digital Schemes. IEEE Transactions on Information Theory, 2010, 56, 1782-1799.	1.5	49
6	On zero-error source coding with decoder side information. IEEE Transactions on Information Theory, 2003, 49, 99-111.	1.5	42
7	Capacity/Storage Tradeoff in High-Dimensional Identification Systems. IEEE Transactions on Information Theory, 2009, 55, 2097-2106.	1.5	42
8	Optimal tracking performance of discrete-time systems over an additive white noise channel. , 2009, , .		35
9	On Error Exponents in Hypothesis Testing. IEEE Transactions on Information Theory, 2005, 51, 2945-2950.	1.5	32
10	Additive successive refinement. IEEE Transactions on Information Theory, 2003, 49, 1983-1991.	1.5	29
11	MIMO Control Over Additive White Noise Channels: Stabilization and Tracking by LTI Controllers. IEEE Transactions on Automatic Control, 2016, 61, 1281-1296.	3.6	28
12	Utilization of the recursive shortest spanning tree algorithm for video-object segmentation by 2-D affine motion modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 776-781.	5.6	24
13	Rate–Distortion Approach to Databases: Storage and Content-Based Retrieval. IEEE Transactions on Information Theory, 2004, 50, 953-967.	1.5	24
14	High dimensional nearest neighbor searching. Information Systems, 2006, 31, 512-540.	2.4	24
15	New Hybrid Digital/Analog Schemes for Transmission of a Gaussian Source Over a Gaussian Channel. IEEE Transactions on Information Theory, 2010, 56, 6014-6019.	1.5	23
16	Identification and Lossy Reconstruction in Noisy Databases. IEEE Transactions on Information Theory, 2014, 60, 822-831.	1.5	23
17	Incremental Maintenance of Online Summaries Over Multiple Streams. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 216-229.	4.0	21
18	Energy-Distortion Exponents in Lossy Transmission of Gaussian Sources Over Gaussian Channels. IEEE Transactions on Information Theory, 2017, 63, 1227-1236.	1.5	20

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19	On zero-error coding of correlated sources. IEEE Transactions on Information Theory, 2003, 49, 2856-2873.	1.5	19
20	Wyner-Ziv Coding Over Broadcast Channels: Hybrid Digital/Analog Schemes. IEEE Transactions on Information Theory, 2011, 57, 5660-5672.	1.5	18
21	Wyner-Ziv coding over broadcast channels using hybrid digital/analog transmission. , 2008, , .		17
22	Optimal tracking over an additive white Gaussian noise channel. , 2009, , .		17
23	Zero-Delay Joint Source-Channel Coding Using Hybrid Digital-Analog Schemes in the Wyner-Ziv Setting. IEEE Transactions on Communications, 2014, 62, 726-735.	4.9	17
24	Capacity/Storage Tradeoff in High-Dimensional Identification Systems. , 2006, , .		16
25	Separate Source–Channel Coding for Transmitting Correlated Gaussian Sources Over Degraded Broadcast Channels. IEEE Transactions on Information Theory, 2013, 59, 3619-3634.	1.5	14
26	Towards A Multi-Terminal Video Compression Algorithm By Integrating Distributed Source Coding With Geometrical Constraints. Journal of Multimedia, 2007, 2, .	0.3	11
27	Successive Refinement of Vector Sources Under Individual Distortion Criteria. IEEE Transactions on Information Theory, 2010, 56, 1769-1781.	1.5	10
28	Zero-delay joint source-channel coding for the Gaussian Wyner-Ziv problem. , 2011, , .		10
29	Multi-target tracking through opportunistic camera control in a resource constrained multimodal sensor network. , 2008, , .		9
30	Joint Source–Channel Coding for Broadcasting Correlated Sources. IEEE Transactions on Communications, 2017, 65, 3012-3022.	4.9	9
31	Successive Coding of Correlated Sources. IEEE Transactions on Information Theory, 2009, 55, 4286-4298.	1.5	8
32	Low-Delay Prediction- and Transform-Based Wyner–Ziv Coding. IEEE Transactions on Signal Processing, 2011, 59, 653-666.	3.2	8
33	On Robustness of Hybrid Digital/Analog Source-Channel Coding With Bandwidth Mismatch. IEEE Transactions on Information Theory, 2015, 61, 4968-4983.	1.5	7
34	On minimum energy for robust Gaussian joint source-channel coding with a distortion-noise profile. , 2017, , .		7
35	The rate transfer argument in two-stage scenarios: When does it matter?. , 2009, , .		6
36	On scalable coding in the presence of decoder side information. , 2014, , .		6

#	Article	IF	Citations
37	Source coding in the presence of exploration-exploitation tradeoff. , 2014, , .		6
38	The rate-distortion function for successive refinement of abstract sources. , 2017, , .		6
39	Wyner-Ziv coding over broadcast channels. , 2008, , .		5
40	Recognition capacity versus search speed in noisy databases. , 2012, , .		5
41	Gaussian HDA coding with bandwidth expansion and side information at the decoder. , 2013, , .		5
42	The Impact of Typicality for Informative Representative Selection. , 2017, , .		5
43	Successive Refinement of Abstract Sources. IEEE Transactions on Information Theory, 2019, 65, 6385-6398.	1.5	5
44	Exploiting Typicality for Selecting Informative and Anomalous Samples in Videos. IEEE Transactions on Image Processing, 2019, 28, 5214-5226.	6.0	5
45	Association of different prediction methods for determination of the efficiency and selectivity on neuron-based sensors. Biosensors and Bioelectronics, 2006, 21, 1045-1058.	5.3	4
46	Low-delay quantization for source coding with side information. , 2008, , .		4
47	On the energy-distortion tradeoff for the Gaussian broadcast problem. , 2016, , .		4
48	On Asymptotic Analysis of Energy-Distortion Tradeoff for Low-Delay Transmission over Gaussian Channels. , 2018, , .		4
49	A New Approach To Online Regression Based On Maximum Correntropy Criterion. , 2019, , .		4
50	On Asymptotic Analysis of Energy-Distortion Tradeoff for Low-Delay Transmission Over Gaussian Channels. IEEE Transactions on Communications, 2021, 69, 4448-4460.	4.9	4
51	Kraft Inequality and Zero-Error Source Coding With Decoder Side Information. IEEE Transactions on Information Theory, 2007, 53, 4810-4816.	1.5	3
52	On Complementary Graph Entropy. IEEE Transactions on Information Theory, 2009, 55, 2537-2546.	1.5	3
53	Mitigating Outlier Effect in Online Regression: An Efficient Usage of Error Correntropy Criterion. , 2020, , .		3
54	Robust Gaussian Joint Source-Channel Coding Under the Near-Zero Bandwidth Regime. , 2020, , .		3

#	Article	IF	Citations
55	Robust Gaussian JSCC Under the Near-Infinity Bandwidth Regime with Side Information at the Receiver. , 2021, , .		3
56	Successive Coding of Correlated Sources. , 2007, , .		2
57	Optimal tracking and power allocation over an additive white noise channel. , 2009, , .		2
58	High-resolution predictive Wyner-Ziv coding of Gaussian sources. , 2009, , .		2
59	On the asymptotic distortion-energy tradeoff for zero-delay transmission of a Gaussian source over the AWGN channel. , 2015, , .		2
60	On the distortion-energy tradeoff for zero-delay transmission of a Gaussian source over the AWGN channel. , 2015, , .		2
61	Zero-delay joint source-channel coding in the presence of interference known at the encoder. , 2015, , .		2
62	Joint source-channel coding for broadcasting correlated sources. , 2016, , .		2
63	Zero-Delay Joint Source-Channel Coding in the Presence of Interference Known at the Encoder. IEEE Transactions on Communications, 2016, 64, 3311-3322.	4.9	2
64	On Energy-Distortion Exponents for Low-Delay Gaussian Broadcasting. , 2018, , .		2
65	Identification over multiple databases. , 2009, , .		1
66	On optimality of a hybrid digital/analog scheme for Wyner-Ziv coding over broadcast channels. , 2010, , .		1
67	Stabilization over additive white noise forward and feedback channels. , 2010, , .		1
68	Identification and lossy reconstruction in noisy databases. , 2010, , .		1
69	Separate source-channel coding for broadcasting correlated Gaussians. , 2011, , .		1
70	On robustness of hybrid digital analog source-channel coding with bandwidth mismatch. , 2014, , .		1
71	On the Analysis of Energy-Distortion Tradeoff for Zero-Delay Transmission over Gaussian Broadcast Channels. , 2019, , .		1
72	On Error Exponents Under A Privacy-Preserving Voting Regime. , 2019, , .		1

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73	Kraft Inequality and Zero-Error Source Coding with Decoder Side Information. , 2007, , .		0
74	Successive Refinement for High-Dimensional Identification Systems. , 2007, , .		0
75	Successive Refinement of Vector Sources under Individual Distortion Criteria. , 2007, , .		0
76	Successive improvement of capacity with power constraints. , 2008, , .		0
77	Optimized Source-Channel Coding of Video Signals in Packet Loss Environments. , 2009, , .		0
78	Bimodal leaky prediction for error resilient video streaming. , 2009, , .		0
79	Optimal tracking by LTI controllers over scaled MIMO additive white noise channels. , 2015, , .		0
80	Delay limited transmission of a uniform source over an AWGN channel. , 2015, , .		0
81	Information Theoretic Approach on Randomized Response Models in Surveys. , 2021, , .		0
82	Zero-error Distributed Source Coding. , 2009, , 89-110.		0
83	Model-based Multiview Video Compression Using Distributed Source Coding Principles. , 2009, , 247-267.		0