Pablo Piantanida

List of Publications by Year
in descending order

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55 papers	776 citations	623734 14 h-index	642732 23 g-index
55 all docs	55 docs citations	55 times ranked	596 citing authors

#	Article	IF	Citations
1	On Universal D-Semifaithful Coding for Memoryless Sources With Infinite Alphabets. IEEE Transactions on Information Theory, 2022, 68, 2782-2800.	2.4	5
2	Combination Networks With End-User-Caches: Novel Achievable and Converse Bounds Under Uncoded Cache Placement. IEEE Transactions on Information Theory, 2022, 68, 806-827.	2.4	2
3	A Data-Driven Quantization Design for Distributed Testing Against Independence with Communication Constraints. , 2022, , .		0
4	Finite-Length Bounds on Hypothesis Testing Subject to Vanishing Type I Error Restrictions. IEEE Signal Processing Letters, 2021, 28, 229-233.	3.6	3
5	On the Exponential Approximation of Type II Error Probability of Distributed Test of Independence. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 777-790.	2.8	0
6	Learning Sparse Privacy-Preserving Representations for Smart Meters Data. , 2021, , .		2
7	Key and Message Semantic-Security Over State-Dependent Channels. IEEE Transactions on Information Forensics and Security, 2020, 15, 1541-1556.	6.9	14
8	Universal Weak Variable-Length Source Coding on Countably Infinite Alphabets. IEEE Transactions on Information Theory, 2020, 66, 649-668.	2.4	4
9	On the Compound Broadcast Channel: Multiple Description Coding and Interference Decoding. IEEE Transactions on Information Theory, 2020, 66, 38-64.	2.4	4
10	Real-Time Privacy-Preserving Data Release for Smart Meters. IEEE Transactions on Smart Grid, 2020, 11, 5174-5183.	9.0	26
11	An Index Coding Approach to Caching With Uncoded Cache Placement. IEEE Transactions on Information Theory, 2020, 66, 1318-1332.	2.4	68
12	Fundamental Limits of Decentralized Data Shuffling. IEEE Transactions on Information Theory, 2020, 66, 3616-3637.	2.4	17
13	A Unifying Mutual Information View of Metric Learning: Cross-Entropy vs. Pairwise Losses. Lecture Notes in Computer Science, 2020, , 548-564.	1.3	40
14	On the Impact of Side Information on Smart Meter Privacy-Preserving Methods. , 2020, , .		3
15	The Secret Key Capacity of a Class of Noisy Channels with Correlated Sources. Entropy, 2019, 21, 732.	2.2	7
16	Performance Evaluation of Advanced Relaying Protocols in Large Wireless Networks. IEEE Access, 2019, 7, 22214-22226.	4.2	1
17	New Results on Testing Against Independence with Rate-Limited Constraints. , 2019, , .		3
18	Universal D-Semifaithfull Coding for Countably Infinite Alphabets. , 2019, , .		1

#	Article	IF	Citations
19	Deep Directed Information-Based Learning for Privacy-Preserving Smart Meter Data Release. , 2019, , .		10
20	The Wiretap Channel With Generalized Feedback: Secure Communication and Key Generation. IEEE Transactions on Information Theory, 2019, 65, 2213-2233.	2.4	19
21	Collaborative Information Bottleneck. IEEE Transactions on Information Theory, 2019, 65, 787-815.	2.4	8
22	On the Benefits of Asymmetric Coded Cache Placement in Combination Networks with End-User Caches. , 2018, , .		9
23	Caching in Combination Networks: Novel Multicast Message Generation and Delivery by Leveraging the Network Topology. , 2018, , .		22
24	Compression-Based Regularization With an Application to Multitask Learning. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1063-1076.	10.8	7
25	The Three-Terminal Interactive Lossy Source Coding Problem. IEEE Transactions on Information Theory, 2017, 63, 532-562.	2.4	7
26	Capacity Results for the Multicast Cognitive Interference Channel. IEEE Transactions on Information Theory, 2017, 63, 4119-4136.	2.4	5
27	Distributed Binary Detection With Lossy Data Compression. IEEE Transactions on Information Theory, 2017, 63, 5207-5227.	2.4	23
28	The redundancy gains of almost lossless universal source coding over envelope families. , 2017, , .		3
29	Novel inner bounds with uncoded cache placement for combination networks with end-user-caches. , 2017, , .		4
30	Novel outer bounds for combination networks with end-user-caches. , 2017, , .		3
31	State-of-the-art in cache-aided combination networks. , 2017, , .		5
32	Collaborative distributed hypothesis testing with general hypotheses. , 2016, , .		13
33	On the Gaussian Fading Broadcast Relay Channel With Causal State Feedback. IEEE Transactions on Communications, 2016, 64, 2797-2807.	7.8	0
34	On caching with more users than files. , 2016, , .		66
35	Almost lossless variable-length source coding on countably infinite alphabets. , 2016, , .		5
36	Secret key generation over noisy channels with common randomness. , 2016, , .		13

#	Article	IF	Citations
37	Distributed information-theoretic biclustering. , 2016, , .		5
38	The two-way cooperative Information Bottleneck. , 2015, , .		5
39	Distributed information-theoretic biclustering of two memoryless sources. , 2015, , .		4
40	Capacity Bounds for a Class of Interference Relay Channels. IEEE Transactions on Information Theory, 2015, 61, 3698-3721.	2.4	4
41	The Second-Order Coding Rate of the MIMO Quasi-Static Rayleigh Fading Channel. IEEE Transactions on Information Theory, 2015, 61, 6591-6622.	2.4	17
42	Multipacket Hybrid ARQ: Closing Gap to the Ergodic Capacity. IEEE Transactions on Communications, 2015, 63, 5191-5205.	7.8	22
43	On Fundamental Trade-offs of Device-to-Device Communications in Large Wireless Networks. IEEE Transactions on Wireless Communications, 2015, 14, 4958-4971.	9.2	42
44	Secrecy Capacity Region of Some Classes of Wiretap Broadcast Channels. IEEE Transactions on Information Theory, 2015, 61, 5564-5582.	2.4	19
45	Multiple description coding for the Compound Broadcast Channel. , 2014, , .		4
46	On the Outage Probability of the Full-Duplex Interference-Limited Relay Channel. IEEE Journal on Selected Areas in Communications, 2014, 32, 1765-1777.	14.0	18
47	A proof of the Generalized Markov Lemma with countable infinite sources. , 2014, , .		4
48	Secure Multiterminal Source Coding With Side Information at the Eavesdropper. IEEE Transactions on Information Theory, 2013, 59, 3668-3692.	2.4	53
49	Capacity Region of Cooperative Multiple-Access Channel With States. IEEE Transactions on Information Theory, 2013, 59, 6153-6174.	2.4	20
50	Secrecy Degrees of Freedom of MIMO Broadcast Channels With Delayed CSIT. IEEE Transactions on Information Theory, 2013, 59, 5244-5256.	2.4	62
51	On the Secrecy Degrees of Freedom of the Multiantenna Block Fading Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2011, 6, 703-711.	6.9	14
52	Outage Behavior of Discrete Memoryless Channels Under Channel Estimation Errors. IEEE Transactions on Information Theory, 2009, 55, 4221-4239.	2.4	15
53	On the Outage Capacity of a Practical Decoder Accounting for Channel Estimation Inaccuracies. IEEE Transactions on Communications, 2009, 57, 1341-1350.	7.8	9
54	Broadcast- and MAC-Aware Coding Strategies for Multiple User Information Embedding. IEEE Transactions on Signal Processing, 2007, 55, 2974-2992.	5.3	11

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55	Distributed information-theoretic clustering. Information and Inference, 0, , .	1.6	26