Haim Henri Permuter

List of Publications by Year
in descending order

146	1,865	361045	301761
papers	citations	20 h-index	39 g-index

146	146	146	921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A study on data augmentation in voice anti-spoofing. Speech Communication, 2022, 141, 56-67.	1.6	12
2	The Secrecy Capacity of Cost-Constrained Wiretap Channels. IEEE Transactions on Information Theory, 2021, 67, 1433-1445.	1.5	6
3	Computable Upper Bounds on the Capacity of Finite-State Channels. IEEE Transactions on Information Theory, 2021, 67, 5674-5692.	1.5	8
4	Key and Message Semantic-Security Over State-Dependent Channels. IEEE Transactions on Information Forensics and Security, 2020, 15, 1541-1556.	4.5	14
5	Capacity of Continuous Channels with Memory via Directed Information Neural Estimator. , 2020, , .		10
6	Graph-Based Encoders and Their Performance for Finite-State Channels With Feedback. IEEE Transactions on Communications, 2020, 68, 2106-2117.	4.9	10
7	Wiretap Channels With Random States Non-Causally Available at the Encoder. IEEE Transactions on Information Theory, 2020, 66, 1497-1519.	1.5	12
8	Wiretap and Gelfand-Pinsker Channels Analogy and Its Applications. IEEE Transactions on Information Theory, 2019, 65, 4979-4996.	1.5	2
9	Cooperative Binning for Semi-Deterministic Channels With Non-Causal State Information. IEEE Transactions on Information Theory, 2019, 65, 6314-6331.	1.5	0
10	Feedback Capacity and Coding for the $(0,k)$ -RLL Input-Constrained BEC. IEEE Transactions on Information Theory, 2019, 65, 4097-4114.	1.5	12
11	MIMO Gaussian Broadcast Channels With Common, Private, and Confidential Messages. IEEE Transactions on Information Theory, 2019, 65, 2525-2544.	1.5	11
12	Capacity-Achieving Coding Scheme for the MAC with Degraded Message Sets and Feedback. , 2019, , .		2
13	Computing the Feedback Capacity of Finite State Channels using Reinforcement Learning. , 2019, , .		11
14	Computable Upper Bounds for Unifilar Finite-State Channels. , 2019, , .		1
15	A Communication Channel With Random Battery Recharges. IEEE Transactions on Information Theory, 2018, 64, 38-56.	1.5	3
16	Finite-State Channel with Feedback and Causal State Information Available at the Encoder. , 2018, , .		2
17	Key-Message Security over State-Dependent Wiretap Channels. , 2018, , .		0
18	Graph-based Encoders and their Achievable Rates for Channels with Feedback. , 2018, , .		2

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19	An Achievable Rate Region for the Two-Way Channel with Common Output. , 2018, , .		6
20	A Useful Analogy Between Wiretap and Gelfand - Pinsker Channels. , 2018, , .		1
21	Initialization Algorithms for Convolutional Network Coding. IEEE Transactions on Information Theory, 2018, 64, 5277-5295.	1.5	4
22	Feedback Capacity and Coding for the BIBO Channel With a No-Repeated-Ones Input Constraint. IEEE Transactions on Information Theory, 2018, 64, 4940-4961.	1.5	18
23	Semantically-Secured Message-Key Trade-Off over Wiretap Channels with Random Parameters. Lecture Notes in Electrical Engineering, 2018, , 33-48.	0.3	3
24	Strong Secrecy for Cooperative Broadcast Channels. IEEE Transactions on Information Theory, 2017, 63, 469-495.	1.5	14
25	Capacity of Remotely Powered Communication. IEEE Transactions on Information Theory, 2017, 63, 1364-1391.	1.5	4
26	Network Coding Schemes for Data Exchange Networks With Arbitrary Transmission Delays. IEEE/ACM Transactions on Networking, 2017, 25, 1293-1309.	2.6	2
27	Broadcast Channels With Privacy Leakage Constraints. IEEE Transactions on Information Theory, 2017, 63, 5138-5161.	1.5	2
28	Feedback capacity and coding for the (0, k)-RLL input-constrained BEC. , 2017, , .		1
29	The Gelfand-Pinsker wiretap channel: Higher secrecy rates via a novel superposition code. , 2017, , .		0
30	A Single-Letter Upper Bound on the Feedback Capacity of Unifilar Finite-State Channels. IEEE Transactions on Information Theory, 2017, 63, 1392-1409.	1.5	21
31	Lossless Coding of Correlated Sources With Actions. IEEE Transactions on Information Theory, 2017, 63, 1237-1252.	1.5	4
32	Cooperative binning for semi-deterministic channels with non-causal state information. , 2017, , .		2
33	An optimal coding scheme for the BIBO channel with a no-repeated-ones input constraint. , 2017, , .		0
34	Channel Coding and Source Coding With Increased Partial Side Information. Entropy, 2017, 19, 467.	1.1	0
35	Physical Layer Security over Wiretap Channels with Random Parameters. Lecture Notes in Computer Science, 2017, , 155-170.	1.0	0
36	Semantic-security capacity for wiretap channels of type II. , 2016, , .		6

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37	Analogy between gambling and measurement-based work extraction. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 043403.	0.9	9
38	Arbitrarily Varying Wiretap Channels With Type Constrained States. IEEE Transactions on Information Theory, 2016, 62, 7216-7244.	1.5	36
39	Capacity of remotely powered communication. , 2016, , .		3
40	Wiretap channels with random states non-causally available at the encoder. , 2016, , .		17
41	Single-letter bounds on the feedback capacity of unifilar finite-state channels. , 2016, , .		0
42	Multicoding Schemes for Interference Channels. IEEE Transactions on Information Theory, 2016, 62, 4936-4952.	1.5	1
43	Semantic-Security Capacity for the Physical Layer via Information Theory. , 2016, , .		1
44	The feedback capacity of the BIBO channel with a no-consecutive-ones input constraint. , 2016, , .		2
45	Arbitrarily Varying Wiretap Channels with Type Constrained States. , 2016, , .		4
46	A single-letter upper bound on the feedback capacity of unifilar finite-state channels. , 2016, , .		2
47	Semantic-Security Capacity for Wiretap Channels of Type II. IEEE Transactions on Information Theory, 2016, 62, 3863-3879.	1.5	50
48	Multiple Access Channels With Combined Cooperation and Partial Cribbing. IEEE Transactions on Information Theory, 2016, 62, 825-848.	1.5	5
49	On State-Dependent Degraded Broadcast Channels With Cooperation. IEEE Transactions on Information Theory, 2016, 62, 2308-2323.	1.5	10
50	The Feedback Capacity of the Binary Erasure Channel With a No-Consecutive-Ones Input Constraint. IEEE Transactions on Information Theory, 2016, 62, 8-22.	1.5	27
51	Cooperative Binning for Semideterministic Channels. IEEE Transactions on Information Theory, 2016, 62, 1231-1249.	1.5	7
52	Duality of a Source Coding Problem and the Semi-Deterministic Broadcast Channel With Rate-Limited Cooperation. IEEE Transactions on Information Theory, 2016, 62, 2285-2307.	1.5	9
53	The feedback capacity of the binary symmetric channel with a no-consecutive-ones input constraint. , 2015, , .		5
54	Cooperative broadcast channels with a secret message. , 2015, , .		2

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55	Broadcast channels with cooperation: Capacity and duality for the semi-deterministic case. , 2015, , .		1
56	Can feedback increase the capacity of the energy harvesting channel?. , 2015, , .		9
57	State-dependent multiple-access channels with partially cribbing encoders. , 2015, , .		1
58	Capacity of the (1, ∞)-RLL input-constrained erasure channel with feedback. , 2015, , .		3
59	Cooperative multiple access channels with oblivious encoders. , 2015, , .		0
60	MAC With Action-Dependent State Information at One Encoder. IEEE Transactions on Information Theory, 2015, 61, 173-188.	1.5	17
61	Lossless coding of correlated sources with actions in acyclic directed networks. , 2014, , .		1
62	Multiple access channels with combined cooperation and partial cribbing. , 2014, , .		2
63	Deterministic Z-interference channels with unidirectional partial cribbing. , 2014, , .		1
64	The Ahlswede-Körner coordination problem with one-sided encoder cooperation. , 2014, , .		4
65	The capacity region of a class of deterministic state-dependent Z-interference channels. , 2014, , .		5
66	Analogy between gambling and measurement-based work extraction. , 2014, , .		3
67	Random delay in network coding for bidirectional relaying. , 2014, , .		1
68	Initialization of convolutional network coding for unknown networks. , 2014, , .		1
69	Information Embedding on Actions. IEEE Transactions on Information Theory, 2014, 60, 6902-6916.	1.5	5
70	Capacity and Coding for the Ising Channel With Feedback. IEEE Transactions on Information Theory, 2014, 60, 5138-5149.	1.5	39
71	To Feed or Not to Feedback. IEEE Transactions on Information Theory, 2014, 60, 5150-5172.	1.5	8
72	The Finite State MAC With Cooperative Encoders and Delayed CSI. IEEE Transactions on Information Theory, 2014, 60, 6181-6203.	1.5	3

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73	Capacity of a POST Channel With and Without Feedback. IEEE Transactions on Information Theory, 2014, 60, 6041-6057.	1.5	26
74	Semi-deterministic broadcast channels with cooperation. , 2014, , .		2
75	Universal Estimation of Directed Information. IEEE Transactions on Information Theory, 2013, 59, 6220-6242.	1.5	135
76	Correlated sources with actions. , 2013, , .		0
77	The state-dependent broadcast channel with cooperation. , 2013, , .		4
78	Source Coding When the Side Information May Be Delayed. IEEE Transactions on Information Theory, 2013, 59, 3607-3618.	1.5	6
79	Extension of the Blahutâ€“Arimoto Algorithm for Maximizing Directed Information. IEEE Transactions on Information Theory, 2013, 59, 204-222.	1.5	26
80	Directed Information, Causal Estimation, and Communication in Continuous Time. IEEE Transactions on Information Theory, 2013, 59, 1271-1287.	1.5	27
81	Information embedding on actions. , 2013, , .		6
82	Multiple-Access Channel With Partial and Controlled Cribbing Encoders. IEEE Transactions on Information Theory, 2013, 59, 2252-2266.	1.5	20
83	Capacity of a POST channel with and without feedback. , 2013, , .		7
84	Successive Refinement With Decoder Cooperation and Its Channel Coding Duals. IEEE Transactions on Information Theory, 2013, 59, 5511-5533.	1.5	11
85	Computable Bounds for Rate Distortion With Feed Forward for Stationary and Ergodic Sources. IEEE Transactions on Information Theory, 2013, 59, 760-781.	1.5	13
86	Successive refinement with cribbing decoders and its channel coding duals. , 2012, , .		0
87	Additive Gaussian MAC with action-dependent state information at one encoder. , 2012, , .		0
88	The diagonal vector Gaussian finite state MAC with cooperative encoders and delayed CSI. , 2012, , .		0
89	Source coding with delayed side information. , 2012, , .		0
90	Universal estimation of directed information via sequential probability assignments. , 2012, , .		3

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91	Capacity region of the finite state MAC with cooperative encoders and delayed CSI. , 2012, , .		4
92	MAC with action-dependent state information at one encoder. , 2012, , .		7
93	Cascade, Triangular, and Two-Way Source Coding With Degraded Side Information at the Second User. IEEE Transactions on Information Theory, 2012, 58, 189-206.	1.5	15
94	Capacity Region of Finite State Multiple-Access Channels With Delayed State Information at the Transmitters. IEEE Transactions on Information Theory, 2012, 58, 3430-3452.	1.5	14
95	Cascade and Triangular Source Coding With Side Information at the First Two Nodes. IEEE Transactions on Information Theory, 2012, 58, 3339-3349.	1.5	11
96	To feed or not to feed back. , 2011, , .		7
97	Continuous-time directed information and its role in communication. , 2011, , .		1
98	On the Role of the Refinement Layer in Multiple Description Coding and Scalable Coding. IEEE Transactions on Information Theory, 2011, 57, 1443-1456.	1.5	25
99	Interpretations of Directed Information in Portfolio Theory, Data Compression, and Hypothesis Testing. IEEE Transactions on Information Theory, 2011, 57, 3248-3259.	1.5	122
100	Source Coding With a Side Information â€œVending Machineâ€• IEEE Transactions on Information Theory, 2011, 57, 4530-4544.	1.5	47
101	Probing Capacity. IEEE Transactions on Information Theory, 2011, 57, 7317-7332.	1.5	35
102	Message and State Cooperation in Multiple Access Channels. IEEE Transactions on Information Theory, 2011, 57, 6379-6396.	1.5	33
103	Bounds on rate distortion with feed forward for stationary and ergodic sources. , 2011, , .		0
104	Cooperation in multiple access channels in the presence of partial state information. , 2011, , .		0
105	Multiple access channel with partial and controlled cribbing encoders. , 2011, , .		0
106	Multiple-access channel with delayed state information via directed information. , 2011, , .		0
107	Capacity of the Ising channel with feedback. , 2011, , .		3
108	Zero-Error Feedback Capacity of Channels With State Information Via Dynamic Programming. IEEE Transactions on Information Theory, 2010, 56, 2640-2650.	1.5	16

#	Article	IF	Citations
109	Two-Way Source Coding With a Helper. IEEE Transactions on Information Theory, 2010, 56, 2905-2919.	1.5	27
110	Coordination Capacity. IEEE Transactions on Information Theory, 2010, 56, 4181-4206.	1.5	158
111	On channel coding with rate limited side information and its duality in source coding. , 2010, , .		1
112	Cascade, Triangular and two way source coding with degraded side information at the second user. , 2010, , .		4
113	Multiple access channel with partial-cribbing encoders. , 2010, , .		1
114	To observe or not to observe the channel state. , 2010, , .		2
115	Capacity region of finite state multiple-access channel with state information at the receiver and delayed state information at the transmitters. , 2010, , .		3
116	Impact of Linear Power Amplifier on power loading in OFDM: Part II: Application to maximum rate criterion. , 2010, , .		0
117	Capacity region of finite state multiple-access channel with delayed state information. , 2010, , .		0
118	Extension of the Blahut-Arimoto algorithm for maximizing directed information. , 2010, , .		3
119	Channel coding and source coding with increased partial side information. , 2010, , .		1
120	Cooperation in multiple access channels with states. , 2010, , .		1
121	Alternating maximization procedure for finding the global maximum of directed information. , 2010, , .		1
122	Tighter Bounds on the Capacity of Finite-State Channels Via Markov Set-Chains. IEEE Transactions on Information Theory, 2010, 56, 3660-3691.	1.5	6
123	Cascade and triangular source coding with side information at the first two nodes. , 2010, , .		6
124	Universal estimation of directed information. , 2010, , .		11
125	Cascade source coding with side information at first two nodes. , 2010, , .		1
126	Two-way source coding with a common helper. , 2009, , .		1

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127	Capacity Region of the Finite-State Multiple-Access Channel With and Without Feedback. IEEE Transactions on Information Theory, 2009, 55, 2455-2477.	1.5	39
128	Feedback Capacity of the Compound Channel. IEEE Transactions on Information Theory, 2009, 55, 3629-3644.	1.5	24
129	Directed information, causal estimation, and communication in continuous time. , 2009, , .		3
130	Consolidating achievable regions of multiple descriptions. , 2009, , .		1
131	Directed information and causal estimation in continuous time. , 2009, , .		10
132	Source coding with a side information ‘vending machine’ at the decoder. , 2009, , .		5
133	The Gray-Wyner network with a limited-rate helper to the encoder and decoders. , 2009, , .		0
134	Problems we can solve with a helper. , 2009, , .		6
135	Capacity of the Trapdoor Channel With Feedback. IEEE Transactions on Information Theory, 2008, 54, 3150-3165.	1.5	101
136	Rate-distortion with common rate-limited side information to the encoder and decoder. , 2008, , .		1
137	New bounds for the capacity region of the Finite-State Multiple Access Channel. , 2008, , .		2
138	On directed information and gambling. , 2008, , .		21
139	Zero-error capacity for finite state channels with feedback and channel state information. , 2008, , .		0
140	On the capacity of finite-state channels. , 2008, , .		0
141	Capacity and Zero-Error Capacity of the Chemical Channel with Feedback. , 2007, , .		8
142	On the Compound Finite State Channel with Feedback. , 2007, , .		5
143	On Separation in the Presence of Feedback. , 2007, , .		0
144	Capacity of Coordinated Actions. , 2007, , .		10

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145	A study of Gaussian mixture models of color and texture features for image classification and segmentation. Pattern Recognition, 2006, 39, 695-706.	5.1	264
146	Capacity of Finite-State Channels with Time-Invariant Deterministic Feedback. , 2006, , .		12