Haim Henri Permuter

List of Publications by Year
in descending order

146 papers	1,865 citations	361413 20 h-index	302126 39 g-index
146 all docs	146 docs citations	146 times ranked	921 citing authors

#	Article	IF	Citations
1	A study of Gaussian mixture models of color and texture features for image classification and segmentation. Pattern Recognition, 2006, 39, 695-706.	8.1	264
2	Coordination Capacity. IEEE Transactions on Information Theory, 2010, 56, 4181-4206.	2.4	158
3	Universal Estimation of Directed Information. IEEE Transactions on Information Theory, 2013, 59, 6220-6242.	2.4	135
4	Interpretations of Directed Information in Portfolio Theory, Data Compression, and Hypothesis Testing. IEEE Transactions on Information Theory, 2011, 57, 3248-3259.	2.4	122
5	Capacity of the Trapdoor Channel With Feedback. IEEE Transactions on Information Theory, 2008, 54, 3150-3165.	2.4	101
6	Semantic-Security Capacity for Wiretap Channels of Type II. IEEE Transactions on Information Theory, 2016, 62, 3863-3879.	2.4	50
7	Source Coding With a Side Information â€œVending Machineâ€. IEEE Transactions on Information Theory, 2011, 57, 4530-4544.	2.4	47
8	Capacity Region of the Finite-State Multiple-Access Channel With and Without Feedback. IEEE Transactions on Information Theory, 2009, 55, 2455-2477.	2.4	39
9	Capacity and Coding for the Ising Channel With Feedback. IEEE Transactions on Information Theory, 2014, 60, 5138-5149.	2.4	39
10	Arbitrarily Varying Wiretap Channels With Type Constrained States. IEEE Transactions on Information Theory, 2016, 62, 7216-7244.	2.4	36
11	Probing Capacity. IEEE Transactions on Information Theory, 2011, 57, 7317-7332.	2.4	35
12	Message and State Cooperation in Multiple Access Channels. IEEE Transactions on Information Theory, 2011, 57, 6379-6396.	2.4	33
13	Two-Way Source Coding With a Helper. IEEE Transactions on Information Theory, 2010, 56, 2905-2919.	2.4	27
14	Directed Information, Causal Estimation, and Communication in Continuous Time. IEEE Transactions on Information Theory, 2013, 59, 1271-1287.	2.4	27
15	The Feedback Capacity of the Binary Erasure Channel With a No-Consecutive-Ones Input Constraint. IEEE Transactions on Information Theory, 2016, 62, 8-22.	2.4	27
16	Extension of the Blahutâ€"Arimoto Algorithm for Maximizing Directed Information. IEEE Transactions on Information Theory, 2013, 59, 204-222.	2.4	26
17	Capacity of a POST Channel With and Without Feedback. IEEE Transactions on Information Theory, 2014, 60, 6041-6057.	2.4	26
18	On the Role of the Refinement Layer in Multiple Description Coding and Scalable Coding. IEEE Transactions on Information Theory, 2011, 57, 1443-1456.	2.4	25

#	ARTICLE	IF	CITATIONS
19	Feedback Capacity of the Compound Channel. IEEE Transactions on Information Theory, 2009, 55, 3629-3644.	2.4	24
20	On directed information and gambling. , 2008, , .		21
21	A Single-Letter Upper Bound on the Feedback Capacity of Unifilar Finite-State Channels. IEEE Transactions on Information Theory, 2017, 63, 1392-1409.	2.4	21
22	Multiple-Access Channel With Partial and Controlled Cribbing Encoders. IEEE Transactions on Information Theory, 2013, 59, 2252-2266.	2.4	20
23	Feedback Capacity and Coding for the BIBO Channel With a No-Repeated-Ones Input Constraint. IEEE Transactions on Information Theory, 2018, 64, 4940-4961.	2.4	18
24	MAC With Action-Dependent State Information at One Encoder. IEEE Transactions on Information Theory, 2015, 61, 173-188.	2.4	17
25	Wiretap channels with random states non-causally available at the encoder. , 2016, , .		17
26	Zero-Error Feedback Capacity of Channels With State Information Via Dynamic Programming. IEEE Transactions on Information Theory, 2010, 56, 2640-2650.	2.4	16
27	Cascade, Triangular, and Two-Way Source Coding With Degraded Side Information at the Second User. IEEE Transactions on Information Theory, 2012, 58, 189-206.	2.4	15
28	Capacity Region of Finite State Multiple-Access Channels With Delayed State Information at the Transmitters. IEEE Transactions on Information Theory, 2012, 58, 3430-3452.	2.4	14
29	Strong Secrecy for Cooperative Broadcast Channels. IEEE Transactions on Information Theory, 2017, 63, 469-495.	2.4	14
30	Key and Message Semantic-Security Over State-Dependent Channels. IEEE Transactions on Information Forensics and Security, 2020, 15, 1541-1556.	6.9	14
31	Computable Bounds for Rate Distortion With Feed Forward for Stationary and Ergodic Sources. IEEE Transactions on Information Theory, 2013, 59, 760-781.	2.4	13
32	Capacity of Finite-State Channels with Time-Invariant Deterministic Feedback. , 2006, , .		12
33	Feedback Capacity and Coding for the $(0,k)$ -RLL Input-Constrained BEC. IEEE Transactions on Information Theory, 2019, 65, 4097-4114.	2.4	12
34	Wiretap Channels With Random States Non-Causally Available at the Encoder. IEEE Transactions on Information Theory, 2020, 66, 1497-1519.	2.4	12
35	A study on data augmentation in voice anti-spoofing. Speech Communication, 2022, 141, 56-67.	2.8	12
36	Universal estimation of directed information. , 2010, , .		11

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37	Cascade and Triangular Source Coding With Side Information at the First Two Nodes. IEEE Transactions on Information Theory, 2012, 58, 3339-3349.	2.4	11
38	Successive Refinement With Decoder Cooperation and Its Channel Coding Duals. IEEE Transactions on Information Theory, 2013, 59, 5511-5533.	2.4	11
39	MIMO Gaussian Broadcast Channels With Common, Private, and Confidential Messages. IEEE Transactions on Information Theory, 2019, 65, 2525-2544.	2.4	11
40	Computing the Feedback Capacity of Finite State Channels using Reinforcement Learning. , 2019, , .		11
41	Capacity of Coordinated Actions. , 2007, , .		10
42	Directed information and causal estimation in continuous time. , 2009, , .		10
43	On State-Dependent Degraded Broadcast Channels With Cooperation. IEEE Transactions on Information Theory, 2016, 62, 2308-2323.	2.4	10
44	Capacity of Continuous Channels with Memory via Directed Information Neural Estimator. , 2020, , .		10
45	Graph-Based Encoders and Their Performance for Finite-State Channels With Feedback. IEEE Transactions on Communications, 2020, 68, 2106-2117.	7.8	10
46	Can feedback increase the capacity of the energy harvesting channel?. , 2015, , .		9
47	Analogy between gambling and measurement-based work extraction. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 043403.	2.3	9
48	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.	2.4	9
49	Capacity and Zero-Error Capacity of the Chemical Channel with Feedback. , 2007, , .		8
50	To Feed or Not to Feedback. IEEE Transactions on Information Theory, 2014, 60, 5150-5172.	2.4	8
51	Computable Upper Bounds on the Capacity of Finite-State Channels. IEEE Transactions on Information Theory, 2021, 67, 5674-5692.	2.4	8
52	To feed or not to feed back. , 2011, , .		7
53	MAC with action-dependent state information at one encoder. , 2012, , .		7
54	Capacity of a POST channel with and without feedback. , 2013, , .		7

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55	Cooperative Binning for Semideterministic Channels. IEEE Transactions on Information Theory, 2016, 62, 1231-1249.	2.4	7
56	Problems we can solve with a helper. , 2009, , .		6
57	Tighter Bounds on the Capacity of Finite-State Channels Via Markov Set-Chains. IEEE Transactions on Information Theory, 2010, 56, 3660-3691.	2.4	6
58	Cascade and triangular source coding with side information at the first two nodes. , 2010, , .		6
59	Source Coding When the Side Information May Be Delayed. IEEE Transactions on Information Theory, 2013, 59, 3607-3618.	2.4	6
60	Information embedding on actions. , 2013, , .		6
61	Semantic-security capacity for wiretap channels of type II. , 2016, , .		6
62	An Achievable Rate Region for the Two-Way Channel with Common Output. , 2018, , .		6
63	The Secrecy Capacity of Cost-Constrained Wiretap Channels. IEEE Transactions on Information Theory, 2021, 67, 1433-1445.	2.4	6
64	On the Compound Finite State Channel with Feedback. , 2007, , .		5
65	Source coding with a side information &#x2018;vending machine&#x2019; at the decoder. , 2009, , .		5
66	The capacity region of a class of deterministic state-dependent Z-interference channels. , 2014, , .		5
67	Information Embedding on Actions. IEEE Transactions on Information Theory, 2014, 60, 6902-6916.	2.4	5
68	The feedback capacity of the binary symmetric channel with a no-consecutive-ones input constraint. , 2015, , .		5
69	Multiple Access Channels With Combined Cooperation and Partial Cribbing. IEEE Transactions on Information Theory, 2016, 62, 825-848.	2.4	5
70	Cascade, Triangular and two way source coding with degraded side information at the second user. , 2010, , .		4
71	Capacity region of the finite state MAC with cooperative encoders and delayed CSI. , 2012, , .		4
72	The state-dependent broadcast channel with cooperation. , 2013, , .		4

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73	The Ahlswede-K&#x00F6;rner coordination problem with one-sided encoder cooperation. , 2014, , .		4
74	Arbitrarily Varying Wiretap Channels with Type Constrained States. , 2016, , .		4
75	Capacity of Remotely Powered Communication. IEEE Transactions on Information Theory, 2017, 63, 1364-1391.	2.4	4
76	Lossless Coding of Correlated Sources With Actions. IEEE Transactions on Information Theory, 2017, 63, 1237-1252.	2.4	4
77	Initialization Algorithms for Convolutional Network Coding. IEEE Transactions on Information Theory, 2018, 64, 5277-5295.	2.4	4
78	Directed information, causal estimation, and communication in continuous time. , 2009, , .		3
79	Capacity region of finite state multiple-access channel with state information at the receiver and delayed state information at the transmitters. , 2010, , .		3
80	Extension of the Blahut-Arimoto algorithm for maximizing directed information. , 2010, , .		3
81	Capacity of the Ising channel with feedback. , 2011, , .		3
82	Universal estimation of directed information via sequential probability assignments. , 2012, , .		3
83	Analogy between gambling and measurement-based work extraction. , 2014, , .		3
84	The Finite State MAC With Cooperative Encoders and Delayed CSI. IEEE Transactions on Information Theory, 2014, 60, 6181-6203.	2.4	3
85	Capacity of the (1, &#x221E;)-RLL input-constrained erasure channel with feedback. , 2015, , .		3
86	Capacity of remotely powered communication. , 2016, , .		3
87	A Communication Channel With Random Battery Recharges. IEEE Transactions on Information Theory, 2018, 64, 38-56.	2.4	3
88	Semantically-Secured Message-Key Trade-Off over Wiretap Channels with Random Parameters. Lecture Notes in Electrical Engineering, 2018, , 33-48.	0.4	3
89	New bounds for the capacity region of the Finite-State Multiple Access Channel. , 2008, , .		2
90	To observe or not to observe the channel state. , 2010, , .		2

#	Article	IF	Citations
91	Multiple access channels with combined cooperation and partial cribbing. , 2014, , .		2
92	Semi-deterministic broadcast channels with cooperation. , 2014, , .		2
93	Cooperative broadcast channels with a secret message. , 2015, , .		2
94	The feedback capacity of the BIBO channel with a no-consecutive-ones input constraint. , 2016, , .		2
95	A single-letter upper bound on the feedback capacity of unifilar finite-state channels. , 2016, , .		2
96	Network Coding Schemes for Data Exchange Networks With Arbitrary Transmission Delays. IEEE/ACM Transactions on Networking, 2017, 25, 1293-1309.	3.8	2
97	Broadcast Channels With Privacy Leakage Constraints. IEEE Transactions on Information Theory, 2017, 63, 5138-5161.	2.4	2
98	Cooperative binning for semi-deterministic channels with non-causal state information. , 2017, , .		2
99	Finite-State Channel with Feedback and Causal State Information Available at the Encoder. , 2018, , .		2
100	Graph-based Encoders and their Achievable Rates for Channels with Feedback. , 2018, , .		2
101	Wiretap and Gelfand-Pinsker Channels Analogy and Its Applications. IEEE Transactions on Information Theory, 2019, 65, 4979-4996.	2.4	2
102	Capacity-Achieving Coding Scheme for the MAC with Degraded Message Sets and Feedback. , 2019, , .		2
103	Rate-distortion with common rate-limited side information to the encoder and decoder. , 2008, , .		1
104	Two-way source coding with a common helper. , 2009, , .		1
105	Consolidating achievable regions of multiple descriptions. , 2009, , .		1
106	On channel coding with rate limited side information and its duality in source coding. , 2010, , .		1
107	Multiple access channel with partial-cribbing encoders. , 2010, , .		1
108	Channel coding and source coding with increased partial side information. , 2010, , .		1

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109	Cooperation in multiple access channels with states. , 2010, , .		1
110	Alternating maximization procedure for finding the global maximum of directed information. , 2010, , .		1
111	Cascade source coding with side information at first two nodes. , 2010, , .		1
112	Continuous-time directed information and its role in communication. , 2011, , .		1
113	Lossless coding of correlated sources with actions in acyclic directed networks. , 2014, , .		1
114	Deterministic Z-interference channels with unidirectional partial cribbing. , 2014, , .		1
115	Random delay in network coding for bidirectional relaying. , 2014, , .		1
116	Initialization of convolutional network coding for unknown networks. , 2014, , .		1
117	Broadcast channels with cooperation: Capacity and duality for the semi-deterministic case. , 2015, , .		1
118	State-dependent multiple-access channels with partially cribbing encoders. , 2015, , .		1
119	Multicoding Schemes for Interference Channels. IEEE Transactions on Information Theory, 2016, 62, 4936-4952.	2.4	1
120	Semantic-Security Capacity for the Physical Layer via Information Theory. , 2016, , .		1
121	Feedback capacity and coding for the (0, k)-RLL input-constrained BEC. , 2017, , .		1
122	A Useful Analogy Between Wiretap and Gelfand - Pinsker Channels. , 2018, , .		1
123	Computable Upper Bounds for Unifilar Finite-State Channels. , 2019, , .		1
124	On Separation in the Presence of Feedback. , 2007, , .		0
125	Zero-error capacity for finite state channels with feedback and channel state information. , 2008, , .		0
126	On the capacity of finite-state channels. , 2008, , .		0

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127	The Gray-Wyner network with a limited-rate helper to the encoder and decoders. , 2009, , .		0
128	Impact of Linear Power Amplifier on power loading in OFDM: Part II: Application to maximum rate criterion. , 2010, , .		0
129	Capacity region of finite state multiple-access channel with delayed state information. , 2010, , .		0
130	Bounds on rate distortion with feed forward for stationary and ergodic sources. , 2011, , .		0
131	Cooperation in multiple access channels in the presence of partial state information. , 2011, , .		0
132	Multiple access channel with partial and controlled cribbing encoders. , 2011, , .		0
133	Multiple-access channel with delayed state information via directed information. , 2011, , .		0
134	Successive refinement with cribbing decoders and its channel coding duals. , 2012, , .		0
135	Additive Gaussian MAC with action-dependent state information at one encoder. , 2012, , .		0
136	The diagonal vector Gaussian finite state MAC with cooperative encoders and delayed CSI. , 2012, , .		0
137	Source coding with delayed side information. , 2012, , .		0
138	Correlated sources with actions. , 2013, , .		0
139	Cooperative multiple access channels with oblivious encoders. , 2015, , .		0
140	Single-letter bounds on the feedback capacity of unifilar finite-state channels. , 2016, , .		0
141	The Gelfand-Pinsker wiretap channel: Higher secrecy rates via a novel superposition code. , 2017, , .		0
142	An optimal coding scheme for the BIBO channel with a no-repeated-ones input constraint. , 2017, , .		0
143	Channel Coding and Source Coding With Increased Partial Side Information. Entropy, 2017, 19, 467.	2.2	0
144	Key-Message Security over State-Dependent Wiretap Channels. , 2018, , .		0

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145	Cooperative Binning for Semi-Deterministic Channels With Non-Causal State Information. IEEE Transactions on Information Theory, 2019, 65, 6314-6331.	2.4	0
146	Physical Layer Security over Wiretap Channels with Random Parameters. Lecture Notes in Computer Science, 2017, , 155-170.	1.3	0