

Michele A Wigger

List of Publications by Year in descending order

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69
papers

1,311
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516561

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414303

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69
all docs

69
docs citations

69
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditional and Relevant Common Information. <i>Information and Inference</i> , 2022, 11, 679-737.	0.9	1
2	Storage-Computation-Communication Tradeoff in Distributed Computing: Fundamental Limits and Complexity. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 5496-5512.	1.5	6
3	An Information-Theoretic View of Mixed-Delay Traffic in 5G and 6G. <i>Entropy</i> , 2022, 24, 637.	1.1	7
4	Coordinated Multi Point Transmission and Reception for Mixed-Delay Traffic. <i>IEEE Transactions on Communications</i> , 2021, 69, 8116-8131.	4.9	3
5	Cooperative Multi-Sensor Detection under Variable-Length Coding. , 2021, , .		3
6	Benefits of Local Cooperation in Sectorized Cellular Networks Under a Complexity Constraint. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 3897-3910.	6.1	2
7	Distributed Hypothesis Testing over Noisy Broadcast Channels. <i>Information (Switzerland)</i> , 2021, 12, 268.	1.7	3
8	First- and Second-Moment Constrained Gaussian Channels. , 2021, , .		2
9	On the Capacity Enlargement of Gaussian Broadcast Channels With Passive Noisy Feedback. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 6356-6367.	1.5	1
10	Optimal Exponents in Cascaded Hypothesis Testing under Expected Rate Constraints. , 2021, , .		3
11	Cache-Aided Polar Coding: From Theory to Implementation. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021, 2, 1206-1223.	1.9	1
12	Some Results on the Vector Gaussian Hypothesis Testing Problem. , 2020, , .		1
13	When does Partial Noisy Feedback Enlarge the Capacity of a Gaussian Broadcast Channel?. , 2020, , .		2
14	Distributed Hypothesis Testing: Cooperation and Concurrent Detection. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 7550-7564.	1.5	10
15	A Fundamental Storage-Communication Tradeoff for Distributed Computing With Straggling Nodes. <i>IEEE Transactions on Communications</i> , 2020, 68, 7311-7327.	4.9	10
16	Distributed Hypothesis Testing With Variable-Length Coding. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2020, 1, 681-694.	1.9	8
17	On the Capacity of MIMO Optical Wireless Channels. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 5660-5682.	1.5	23
18	Distributed Hypothesis Testing Based on Unequal-Error Protection Codes. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 4150-4182.	1.5	13

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19	Benefits of Cache Assignment on Degraded Broadcast Channels. IEEE Transactions on Information Theory, 2019, 65, 6999-7019.	1.5	10
20	Secrecy Capacity-Memory Tradeoff of Erasure Broadcast Channels. IEEE Transactions on Information Theory, 2019, 65, 5094-5124.	1.5	4
21	Hypothesis Testing Over the Two-Hop Relay Network. IEEE Transactions on Information Theory, 2019, 65, 4411-4433.	1.5	25
22	On the Capacity of Block Fading Optical Wireless Channels. , 2019, , .		3
23	Mixed Delay Constraints on a Fading C-RAN Uplink. , 2019, , .		5
24	Multi-library Coded Caching with Partial Secrecy. , 2019, , .		0
25	Multiplexing Gain Region of Sectorized Cellular Networks with Mixed Delay Constraints. , 2019, , .		3
26	Exponent Trade-off for Hypothesis Testing Over Noisy Channels. , 2019, , .		9
27	On Hypothesis Testing Against Conditional Independence With Multiple Decision Centers. IEEE Transactions on Communications, 2018, 66, 2409-2420.	4.9	24
28	A Rate-Distortion Approach to Caching. IEEE Transactions on Information Theory, 2018, 64, 1957-1976.	1.5	17
29	Capacity Results on Multiple-Input Single-Output Wireless Optical Channels. IEEE Transactions on Information Theory, 2018, 64, 6954-6966.	1.5	31
30	Mixed Delay Constraints at Maximum Sum-Multiplexing Gain. , 2018, , .		2
31	On the Capacity of MIMO Optical Wireless Channels. , 2018, , .		4
32	Distributed Hypothesis Testing with Concurrent Detections. , 2018, , .		15
33	Decentralized Coded Caching for Wiretap Broadcast Channels. , 2018, , .		0
34	Distributed Hypothesis Testing with Collaborative Detection. , 2018, , .		6
35	Mixed Delay Constraints in Wyner's Soft-Handoff Network. , 2018, , .		6
36	DoF in Sectorized Cellular Systems with BS Cooperation Under a Complexity Constraint. , 2018, , .		2

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37	On Achievability for Downlink Cloud Radio Access Networks With Base Station Cooperation. IEEE Transactions on Information Theory, 2018, 64, 5726-5742.	1.5	13
38	Improved Converse and Gap Results for Coded Caching. IEEE Transactions on Information Theory, 2018, 64, 7051-7062.	1.5	24
39	Noisy Broadcast Networks With Receiver Caching. IEEE Transactions on Information Theory, 2018, 64, 6996-7016.	1.5	49
40	Conferencing in Wyner's Asymmetric Interference Network: Effect of Number of Rounds. IEEE Transactions on Information Theory, 2017, 63, 1199-1226.	1.5	10
41	Feedback and Partial Message Side-Information on the Semideterministic Broadcast Channel. IEEE Transactions on Information Theory, 2017, 63, 5052-5073.	1.5	4
42	Asymptotic high-SNR capacity of MISO optical intensity channels. , 2017, , .		10
43	Asymptotic capacity results for MIMO wireless optical communication. , 2017, , .		25
44	Benefits of cache assignment on degraded broadcast channels. , 2017, , .		35
45	State-adaptive coded caching for symmetric broadcast channels. , 2017, , .		4
46	An upper bound on the capacity-memory tradeoff of degraded broadcast channels. , 2016, , .		8
47	Testing against independence with multiple decision centers. , 2016, , .		21
48	Coding Schemes With Rate-Limited Feedback That Improve Over the No Feedback Capacity for a Large Class of Broadcast Channels. IEEE Transactions on Information Theory, 2016, 62, 2009-2033.	1.5	19
49	Joint cache-channel coding over erasure broadcast channels. , 2015, , .		32
50	Extrinsic Jensen-Shannon Divergence: Applications to Variable-Length Coding. IEEE Transactions on Information Theory, 2015, 61, 2148-2164.	1.5	42
51	Slepian-Wolf Coding for Broadcasting With Cooperative Base-Stations. IEEE Transactions on Communications, 2015, 63, 1850-1866.	4.9	1
52	MIMO MAC-BC Duality With Linear-Feedback Coding Schemes. IEEE Transactions on Information Theory, 2015, 61, 5976-5998.	1.5	14
53	MAC-BC duality with linear-feedback schemes. , 2014, , .		5
54	Coding Schemes and Asymptotic Capacity for the Gaussian Broadcast and Interference Channels With Feedback. IEEE Transactions on Information Theory, 2014, 60, 54-71.	1.5	16

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55	Constrained Source-Coding With Side Information. IEEE Transactions on Information Theory, 2014, 60, 3218-3237.	1.5	6
56	Cognitive Wyner Networks With Clustered Decoding. IEEE Transactions on Information Theory, 2014, 60, 6342-6367.	1.5	16
57	Source Coding Problems With Conditionally Less Noisy Side Information. IEEE Transactions on Information Theory, 2014, 60, 5516-5532.	1.5	21
58	Insufficiency of Linear-Feedback Schemes in Gaussian Broadcast Channels With Common Message. IEEE Transactions on Information Theory, 2014, 60, 4553-4566.	1.5	9
59	On the Capacity of the Discrete Memoryless Broadcast Channel With Feedback. IEEE Transactions on Information Theory, 2013, 59, 1329-1345.	1.5	47
60	Dirty-Paper Coding for the Gaussian Multiaccess Channel With Conferencing. IEEE Transactions on Information Theory, 2012, 58, 5640-5668.	1.5	23
61	Optimal reliability over a class of binary-input channels with feedback. , 2012, , .		10
62	Linear-Feedback Sum-Capacity for Gaussian Multiple Access Channels. IEEE Transactions on Information Theory, 2012, 58, 224-236.	1.5	18
63	On the AWGN MAC With Imperfect Feedback. IEEE Transactions on Information Theory, 2010, 56, 5432-5476.	1.5	20
64	Linear sum capacity for Gaussian multiple access channel with feedback. , 2010, , .		8
65	On the sum capacity of the Gaussian multiple access channel with feedback. , 2009, , .		0
66	On the Capacity of Free-Space Optical Intensity Channels. IEEE Transactions on Information Theory, 2009, 55, 4449-4461.	1.5	438
67	Three-user MIMO MACs with cooperation. , 2009, , .		15
68	The Gaussian MAC with conferencing encoders. , 2008, , .		68
69	On Cognitive Interference Networks. , 2007, , .		15