Silas L Fong

List of Publications by Year
in descending order

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48	331	933447	996975
papers	citations	10	15
		h-index	g-index

48	48	48	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Latency Network-Adaptive Error Control for Interactive Streaming. IEEE Transactions on Multimedia, 2022, 24, 1691-1706.	7.2	6
2	An Explicit Rate-Optimal Streaming Code for Channels With Burst and Arbitrary Erasures. IEEE Transactions on Information Theory, 2022, 68, 47-65.	2.4	12
3	An Explicit Construction of Optimal Streaming Codes for Channels With Burst and Arbitrary Erasures. IEEE Transactions on Communications, 2020, 68, 12-25.	7.8	13
4	Optimal Streaming Erasure Codes Over the Three-Node Relay Network. IEEE Transactions on Information Theory, 2020, 66, 2696-2712.	2.4	17
5	Optimal Multiplexed Erasure Codes for Streaming Messages With Different Decoding Delays. IEEE Transactions on Information Theory, 2020, 66, 4007-4018.	2.4	4
6	Non-Asymptotic Achievable Rates for Gaussian Energy-Harvesting Channels: Save-and-Transmit and Best-Effort. IEEE Transactions on Information Theory, 2019, 65, 7233-7252.	2.4	2
7	Optimal Streaming Codes for Channels With Burst and Arbitrary Erasures. IEEE Transactions on Information Theory, 2019, 65, 4274-4292.	2.4	45
8	Strong Converse Theorems for Multimessage Networks with Tight Cut-Set Bound. Problems of Information Transmission, 2019, 55, 67-100.	0.5	2
9	Optimal Streaming Erasure Codes over the Three-Node Relay Network. , 2019, , .		4
10	An Explicit Rate-Optimal Streaming Code for Channels with Burst and Arbitrary Erasures. , 2019, , .		18
11	Optimal Multiplexed Erasure Codes for Streaming Messages with Different Decoding Delays. , 2019, , .		2
12	Low-Latency Network-Adaptive Error Control for Interactive Streaming. , 2019, , .		6
13	On Achievable Rates of AWGN Energy-Harvesting Channels With Block Energy Arrival and Non-Vanishing Error Probabilities. IEEE Transactions on Information Theory, 2018, 64, 2038-2064.	2.4	9
14	Optimal Streaming Codes for Channels with Burst and Arbitrary Erasures. , 2018, , .		6
15	Non-Asymptotic Achievable Rates for Gaussian Energy-Harvesting Channels: Best-Effort and Save-and-Transmit. , 2018, , .		0
16	On Gaussian Channels With Feedback Under Expected Power Constraints and With Non-Vanishing Error Probabilities. IEEE Transactions on Information Theory, 2017, 63, 1746-1765.	2.4	15
17	Achievable Rates for Gaussian Degraded Relay Channels With Non-Vanishing Error Probabilities. IEEE Transactions on Information Theory, 2017, 63, 4183-4201.	2.4	5
18	A Tight Upper Bound on the Second-Order Coding Rate of the Parallel Gaussian Channel With Feedback. IEEE Transactions on Information Theory, 2017, 63, 6474-6486.	2.4	3

#	Article	IF	Citations
19	A tight upper bound on the second-order coding rate of parallel Gaussian channels with feedback. , 2017, , .		0
20	A Proof of the Strong Converse Theorem for Gaussian Broadcast Channels via the Gaussian PoincarÃ© Inequality. IEEE Transactions on Information Theory, 2017, 63, 7737-7746.	2.4	9
21	Strong converse theorems for discrete memoryless networks with tight cut-set bound. , 2017, , .		2
22	Scaling Exponent and Moderate Deviations Asymptotics of Polar Codes for the AWGN Channel. Entropy, 2017, 19, 364.	2.2	6
23	On second-order asymptotics of AWGN channels with feedback under the expected power constraint. , 2016, , .		1
24	A proof of the strong converse theorem for Gaussian broadcast channels via the Gaussian PoincarÃ© inequality. , 2016, , .		0
25	Output Distributions of Capacity-Achieving Codes for Gaussian Multiple Access Channels. IEEE Communications Letters, 2016, 20, 938-941.	4.1	1
26	Strong Converse Theorems for Classes of Multimessage Multicast Networks: A RÃ©nyi Divergence Approach. IEEE Transactions on Information Theory, 2016, 62, 4953-4967.	2.4	10
27	The âˆ-capacity region of AWGN multiple access channels with feedback. , 2016, , .		0
28	Non-Asymptotic Achievable Rates for Energy-Harvesting Channels Using Save-and-Transmit. IEEE Journal on Selected Areas in Communications, 2016, 34, 3499-3511.	14.0	15
29	On the Scaling Exponent of Polar Codes for Binary-Input Energy-Harvesting Channels. IEEE Journal on Selected Areas in Communications, 2016, 34, 3540-3551.	14.0	6
30	Cut-Set Bounds for Multimessage Multicast Networks With Independent Channels and Zero-Delay Edges. IEEE Transactions on Information Theory, 2016, 62, 6379-6392.	2.4	1
31	A non-asymptotic achievable rate for the AWGN energy-harvesting channel using save-and-transmit. , 2016, , .		2
32	A Proof of the Strong Converse Theorem for Gaussian Multiple Access Channels. IEEE Transactions on Information Theory, 2016, 62, 4376-4394.	2.4	19
33	Classes of Delay-Independent Multimessage Multicast Networks With Zero-Delay Nodes. IEEE Transactions on Information Theory, 2016, 62, 384-400.	2.4	1
34	Cut-Set Bounds for Networks With Zero-Delay Nodes. IEEE Transactions on Information Theory, 2015, 61, 3837-3850.	2.4	4
35	Asymptotic expansions for the AWGN channel with feedback under a peak power constraint. , 2015, , .		9
36	Cut-set bound for multimessage multicast networks with independent channels and zero-delay edges. , 2015, , .		0

#	Article	IF	Citations
37	Strong converse theorems for classes of multimessage multicast networks: A Rényi divergence approach. , 2015, , .		0
38	A proof of the strong converse theorem for Gaussian multiple access channels. , 2015, , .		1
39	Two-Hop Interference Channels: Impact of Linear Schemes. IEEE Transactions on Information Theory, 2015, 61, 5463-5489.	2.4	11
40	Two-hop interference channels: Impact of linear time-varying schemes. , 2013, , .		8
41	Amplify-and-modulo for Gaussian two-way relay channel. , 2012, , .		2
42	Cut-set bound for generalized networks with positive delay. , 2012, , .		4
43	Cut-set bound for generalized networks. , 2012, , .		4
44	Capacity bounds for full-duplex two-way relay channel with feedback. , 2011, , .		5
45	Feedback enlarges capacity region of two-way relay channel. , 2011, , .		3
46	Practical network coding on three-node point-to-point relay networks. , 2011, , .		9
47	Variable-Rate Linear Network Coding. IEEE Transactions on Information Theory, 2010, 56, 2618-2625.	2.4	21
48	Variable-Rate Linear Network Coding. , 2006, , .		8