

# Silas L Fong

## List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Streaming Codes for Channels With Burst and Arbitrary Erasures. IEEE Transactions on Information Theory, 2019, 65, 4274-4292.	2.4	45
2	Variable-Rate Linear Network Coding. IEEE Transactions on Information Theory, 2010, 56, 2618-2625.	2.4	21
3	A Proof of the Strong Converse Theorem for Gaussian Multiple Access Channels. IEEE Transactions on Information Theory, 2016, 62, 4376-4394.	2.4	19
4	An Explicit Rate-Optimal Streaming Code for Channels with Burst and Arbitrary Erasures. , 2019, , .		18
5	Optimal Streaming Erasure Codes Over the Three-Node Relay Network. IEEE Transactions on Information Theory, 2020, 66, 2696-2712.	2.4	17
6	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
7	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
8	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
9	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
10	Two-Hop Interference Channels: Impact of Linear Schemes. IEEE Transactions on Information Theory, 2015, 61, 5463-5489.	2.4	11
11	Strong Converse Theorems for Classes of Multimessage Multicast Networks: A Rényi Divergence Approach. IEEE Transactions on Information Theory, 2016, 62, 4953-4967.	2.4	10
12	Practical network coding on three-node point-to-point relay networks. , 2011, , .		9
13	Asymptotic expansions for the AWGN channel with feedback under a peak power constraint. , 2015, , .		9
14	A Proof of the Strong Converse Theorem for Gaussian Broadcast Channels via the Gaussian Poincaré Inequality. IEEE Transactions on Information Theory, 2017, 63, 7737-7746.	2.4	9
15	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
16	Variable-Rate Linear Network Coding. , 2006, , .		8
17	Two-hop interference channels: Impact of linear time-varying schemes. , 2013, , .		8
18	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

#	ARTICLE	IF	CITATIONS
19	Scaling Exponent and Moderate Deviations Asymptotics of Polar Codes for the AWGN Channel. Entropy, 2017, 19, 364.	2.2	6
20	Optimal Streaming Codes for Channels with Burst and Arbitrary Erasures. , 2018, , .		6
21	Low-Latency Network-Adaptive Error Control for Interactive Streaming. IEEE Transactions on Multimedia, 2022, 24, 1691-1706.	7.2	6
22	Low-Latency Network-Adaptive Error Control for Interactive Streaming. , 2019, , .		6
23	Capacity bounds for full-duplex two-way relay channel with feedback. , 2011, , .		5
24	Achievable Rates for Gaussian Degraded Relay Channels With Non-Vanishing Error Probabilities. IEEE Transactions on Information Theory, 2017, 63, 4183-4201.	2.4	5
25	Cut-set bound for generalized networks with positive delay. , 2012, , .		4
26	Cut-set bound for generalized networks. , 2012, , .		4
27	Cut-Set Bounds for Networks With Zero-Delay Nodes. IEEE Transactions on Information Theory, 2015, 61, 3837-3850.	2.4	4
28	Optimal Streaming Erasure Codes over the Three-Node Relay Network. , 2019, , .		4
29	Optimal Multiplexed Erasure Codes for Streaming Messages With Different Decoding Delays. IEEE Transactions on Information Theory, 2020, 66, 4007-4018.	2.4	4
30	Feedback enlarges capacity region of two-way relay channel. , 2011, , .		3
31	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
32	Amplify-and-modulo for Gaussian two-way relay channel. , 2012, , .		2
33	A non-asymptotic achievable rate for the AWGN energy-harvesting channel using save-and-transmit. , 2016, , .		2
34	Strong converse theorems for discrete memoryless networks with tight cut-set bound. , 2017, , .		2
35	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
36	Strong Converse Theorems for Multimessage Networks with Tight Cut-Set Bound. Problems of Information Transmission, 2019, 55, 67-100.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Optimal Multiplexed Erasure Codes for Streaming Messages with Different Decoding Delays. , 2019, , .		2
38	A proof of the strong converse theorem for Gaussian multiple access channels. , 2015, , .		1
39	On second-order asymptotics of AWGN channels with feedback under the expected power constraint. , 2016, , .		1
40	Output Distributions of Capacity-Achieving Codes for Gaussian Multiple Access Channels. IEEE Communications Letters, 2016, 20, 938-941.	4.1	1
41	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
42	Classes of Delay-Independent Multimessage Multicast Networks With Zero-Delay Nodes. IEEE Transactions on Information Theory, 2016, 62, 384-400.	2.4	1
43	Cut-set bound for multimessage multicast networks with independent channels and zero-delay edges. , 2015, , .		0
44	Strong converse theorems for classes of multimessage multicast networks: A R&#x00E9;nyi divergence approach. , 2015, , .		0
45	A proof of the strong converse theorem for Gaussian broadcast channels via the Gaussian Poincar� inequality. , 2016, , .		0
46	The $\hat{\Sigma}$ -capacity region of AWGN multiple access channels with feedback. , 2016, , .		0
47	A tight upper bound on the second-order coding rate of parallel Gaussian channels with feedback. , 2017, , .		0
48	Non-Asymptotic Achievable Rates for Gaussian Energy-Harvesting Channels: Best-Effort and Save-and-Transmit. , 2018, , .		0