

Christina Fragouli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7661164/publications.pdf>

Version: 2024-02-01

56
papers

615
citations

1040018

9
h-index

1058452

14
g-index

56
all docs

56
docs citations

56
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroCast. , 2012, , .		188
2	Pliable Index Coding. IEEE Transactions on Information Theory, 2015, 61, 6192-6203.	2.4	38
3	A Polynomial-Time Algorithm for Pliable Index Coding. IEEE Transactions on Information Theory, 2018, 64, 979-999.	2.4	22
4	On Maximum Likelihood Reconstruction over Multiple Deletion Channels. , 2018, , .		21
5	A pliable index coding approach to data shuffling. , 2017, , .		20
6	Group testing for overlapping communities. , 2021, , .		18
7	Simple schedules for half-duplex networks. , 2012, , .		17
8	Making Recommendations Bandwidth Aware. IEEE Transactions on Information Theory, 2018, 64, 7031-7050.	2.4	17
9	A Pliable Index Coding Approach to Data Shuffling. IEEE Transactions on Information Theory, 2020, 66, 1333-1353.	2.4	16
10	Optimizing Quantize-Map-and-Forward relaying for Gaussian diamond networks. , 2012, , .		15
11	Efficiently finding simple schedules in Gaussian half-duplex relay line networks. , 2017, , .		15
12	Wireless Network Simplification: The Gaussian $\langle \text{TeX} \rangle (N)$ -Relay Diamond Network. IEEE Transactions on Information Theory, 2014, 60, 6329-6341.	2.4	13
13	Quantization of Distributed Data for Learning. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 987-1001.	2.5	13
14	Secret Communication Over Broadcast Erasure Channels With State-Feedback. IEEE Transactions on Information Theory, 2015, 61, 4788-4808.	2.4	11
15	On Distributed Quantization for Classification. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 237-249.	2.5	11
16	An entropy reduction approach to continual testing. , 2021, , .		11
17	Symbolwise MAP for Multiple Deletion Channels. , 2019, , .		10
18	Privacy in Index Coding: k -Limited-Access Schemes. IEEE Transactions on Information Theory, 2020, 66, 2625-2641.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Network Simplification: The Gaussian diamond network with multiple antennas. , 2011, , .		9
20	Combinatorial algorithms for wireless information flow. ACM Transactions on Algorithms, 2012, 9, 1-33.	1.0	9
21	Structure of optimal schedules in diamond networks. , 2014, , .		9
22	Gaussian 1-2-1 Networks: Capacity Results for mmWave Communications. , 2018, , .		9
23	On the Complexity of Scheduling in Half-Duplex Diamond Networks. IEEE Transactions on Information Theory, 2016, 62, 2557-2572.	2.4	8
24	A simple relaying strategy for diamond networks. , 2014, , .		7
25	Multi-Party Secret Key Agreement Over State-Dependent Wireless Broadcast Channels. IEEE Transactions on Information Forensics and Security, 2017, 12, 323-337.	6.9	6
26	Recommender Systems over Wireless: Challenges and Opportunities. , 2018, , .		6
27	Network Simplification in Half-Duplex: Building on Submodularity. IEEE Transactions on Information Theory, 2019, 65, 6801-6818.	2.4	6
28	Polynomial-time Capacity Calculation and Scheduling for Half-Duplex 1-2-1 Networks. , 2019, , .		6
29	Wireless network simplification: Beyond diamond networks. , 2016, , .		5
30	Coding across unicast sessions can increase the secure message capacity. , 2016, , .		5
31	Algorithms for Reconstruction Over Single and Multiple Deletion Channels. IEEE Transactions on Information Theory, 2021, 67, 3389-3410.	2.4	5
32	Wireless Network Security: Building on Erasures. Proceedings of the IEEE, 2015, 103, 1826-1840.	21.3	4
33	On Secure Network Coding for Two Unicast Sessions: Studying Butterflies. , 2016, , .		4
34	Making recommendations bandwidth aware. , 2017, , .		4
35	A distortion based approach for protecting inferences. , 2017, , .		4
36	Distorting an Adversary's View in Cyber-Physical Systems. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
37	Interactions Between Learning and Broadcasting in Wireless Recommendation Systems. , 2019, , .		4
38	Distortion-Based Lightweight Security for Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2021, 66, 1588-1601.	5.7	4
39	A polynomial-time algorithm for pliable index coding. , 2016, , .		3
40	Simplifying wireless social caching. , 2016, , .		3
41	Gaussian 1-2-1 Networks with Imperfect Beamforming. , 2020, , .		3
42	Wireless Network Simplification: The Performance of Routing. IEEE Transactions on Information Theory, 2020, 66, 5703-5711.	2.4	3
43	Gaussian 1-2-1 Networks: Capacity Results for mmWave Communications. IEEE Transactions on Information Theory, 2021, 67, 961-990.	2.4	3
44	Simplifying Wireless Social Caching via Network Coding. IEEE Transactions on Communications, 2018, 66, 5512-5525.	7.8	2
45	Using mm-Waves for Secret Key Establishment. IEEE Communications Letters, 2019, 23, 1077-1080.	4.1	2
46	Equivalence of ML decoding to a continuous optimization problem. , 2020, , .		2
47	Efficient Beam Scheduling for Half-Duplex mmWave Relay Networks. IEEE Transactions on Communications, 2021, 69, 5773-5789.	7.8	2
48	On Secure Network Coding for Multiple Unicast Traffic. IEEE Transactions on Information Theory, 2020, 66, 5204-5227.	2.4	2
49	Successive Refinement of Privacy. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 745-759.	2.5	2
50	Group Testing for Community Infections. IEEE BITS the Information Theory Magazine, 2021, 1, 57-68.	1.6	2
51	Switched local schedules for diamond networks. , 2014, , .		1
52	Combinatorial error detection in linear encoders. , 2015, , .		1
53	The Approximate Capacity of Half-Duplex Line Networks. IEEE Transactions on Information Theory, 2020, 66, 4449-4467.	2.4	0
54	On Coded Broadcasting for Wireless Recommendation Systems. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
55	On optimal relay placement in directional networks. , 2021, , .		0
56	Gomory-Hu Trees Over Wireless. IEEE Communications Letters, 2022, 26, 1004-1007.	4.1	0