

Itzhak Tamo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6223745/publications.pdf>

Version: 2024-02-01

43
papers

1,772
citations

430442

18
h-index

433756

31
g-index

43
all docs

43
docs citations

43
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	A Family of Optimal Locally Recoverable Codes. IEEE Transactions on Information Theory, 2014, 60, 4661-4676.	1.5	386
2	Zigzag Codes: MDS Array Codes With Optimal Rebuilding. IEEE Transactions on Information Theory, 2013, 59, 1597-1616.	1.5	264
3	Bounds on the Parameters of Locally Recoverable Codes. IEEE Transactions on Information Theory, 2016, 62, 3070-3083.	1.5	96
4	Optimal locally repairable codes and connections to matroid theory. , 2013, , .		95
5	Optimal Locally Repairable Codes and Connections to Matroid Theory. IEEE Transactions on Information Theory, 2016, 62, 6661-6671.	1.5	87
6	Correcting Limited-Magnitude Errors in the Rank-Modulation Scheme. IEEE Transactions on Information Theory, 2010, 56, 2551-2560.	1.5	72
7	On codes for optimal rebuilding access. , 2011, , .		71
8	Bounds on locally recoverable codes with multiple recovering sets. , 2014, , .		63
9	Access Versus Bandwidth in Codes for Storage. IEEE Transactions on Information Theory, 2014, 60, 2028-2037.	1.5	59
10	Long MDS codes for optimal repair bandwidth. , 2012, , .		54
11	An Improved Sub-Packetization Bound for Minimum Storage Regenerating Codes. IEEE Transactions on Information Theory, 2014, 60, 2770-2779.	1.5	54
12	Explicit Minimum Storage Regenerating Codes. IEEE Transactions on Information Theory, 2016, 62, 4466-4480.	1.5	51
13	Locally Recoverable Codes on Algebraic Curves. IEEE Transactions on Information Theory, 2017, 63, 4928-4939.	1.5	51
14	Gradient Coding From Cyclic MDS Codes and Expander Graphs. IEEE Transactions on Information Theory, 2020, 66, 7475-7489.	1.5	46
15	MDS Code Constructions With Small Sub-Packetization and Near-Optimal Repair Bandwidth. IEEE Transactions on Information Theory, 2018, 64, 6506-6525.	1.5	36
16	Combinatorial Alphabet-Dependent Bounds for Locally Recoverable Codes. IEEE Transactions on Information Theory, 2018, 64, 3481-3492.	1.5	36
17	Cyclic LRC codes, binary LRC codes, and upper bounds on the distance of cyclic codes. International Journal of Information and Coding Theory, 2016, 3, 345.	0.3	34
18	The Repair Problem for Reed-Solomon Codes: Optimal Repair of Single and Multiple Erasures With Almost Optimal Node Size. IEEE Transactions on Information Theory, 2019, 65, 2673-2695.	1.5	29

#	ARTICLE	IF	CITATIONS
19	Construction of Sidon Spaces With Applications to Coding. IEEE Transactions on Information Theory, 2018, 64, 4412-4422.	1.5	26
20	On the Labeling Problem of Permutation Group Codes Under the Infinity Metric. IEEE Transactions on Information Theory, 2012, 58, 6595-6604.	1.5	22
21	Optimal permutation anticodes with the infinity norm via permanents of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mo stretchy="false" \rangle} \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQ} 1 1 0.704314$. IEEE Transactions on Information Theory, 2017, 63, 1084-1101.	1.5	18
22	Optimal Rebuilding of Multiple Erasures in MDS Codes. IEEE Transactions on Information Theory, 2017, 63, 1084-1101.	1.5	18
23	Private Information Retrieval in Graph-Based Replication Systems. IEEE Transactions on Information Theory, 2020, 66, 3590-3602.	1.5	18
24	Sparse Hypergraphs with Applications to Coding Theory. SIAM Journal on Discrete Mathematics, 2020, 34, 1493-1504.	0.4	13
25	The hat guessing number of graphs. Journal of Combinatorial Theory Series B, 2020, 144, 119-149.	0.6	10
26	Locally recoverable codes on algebraic curves. , 2015, , .		7
27	Degenerate Turán densities of sparse hypergraphs. Journal of Combinatorial Theory - Series A, 2020, 173, 105228.	0.5	7
28	Combinatorial and LP bounds for LRC codes. , 2016, , .		6
29	Exploiting Locality for Improved Decoding of Binary Cyclic Codes. IEEE Transactions on Communications, 2018, 66, 2346-2358.	4.9	6
30	A Bound on the Shannon Capacity via a Linear Programming Variation. SIAM Journal on Discrete Mathematics, 2018, 32, 2229-2241.	0.4	6
31	Repairing Reed-Solomon Codes Evaluated on Subspaces. , 2021, , .		5
32	Error Correction Based on Partial Information. IEEE Transactions on Information Theory, 2020, 66, 1396-1404.	1.5	4
33	Multivariate Public Key Cryptosystem from Sidon Spaces. Lecture Notes in Computer Science, 2021, , 242-265.	1.0	4
34	A construction of maximally recoverable codes. Designs, Codes, and Cryptography, 2022, 90, 939-945.	1.0	4
35	Nonlinear Repair of Reed-Solomon Codes. IEEE Transactions on Information Theory, 2022, 68, 5165-5177.	1.5	4
36	Bounds on the Capacity of PIR over Graphs. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Repairing Reed–Solomon Codes Evaluated on Subspaces. IEEE Transactions on Information Theory, 2022, 68, 6505-6515.	1.5	2
38	A study on the impact of locality in the decoding of binary cyclic codes. , 2017, , .		1
39	The Hat Guessing Number of Graphs. , 2019, , .		1
40	Error Detection and Correction in Communication Networks. , 2020, , .		1
41	Minimum Guesswork With an Unreliable Oracle. IEEE Transactions on Information Theory, 2020, 66, 7528-7538.	1.5	1
42	New Turán Exponents for Two Extremal Hypergraph Problems. SIAM Journal on Discrete Mathematics, 2020, 34, 2338-2345.	0.4	1
43	Explicit and Efficient Constructions of Linear Codes Against Adversarial Insertions and Deletions. IEEE Transactions on Information Theory, 2022, 68, 6516-6526.	1.5	0