

Itzhak Tamo

List of Publications by Year in descending order

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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 construction of maximally recoverable codes. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 939-945.	1.0	4
2	Nonlinear Repair of Reed-Solomon Codes. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 5165-5177.	1.5	4
3	Explicit and Efficient Constructions of Linear Codes Against Adversarial Insertions and Deletions. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 6516-6526.	1.5	0
4	Repairing Reed-Solomon Codes Evaluated on Subspaces. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 6505-6515.	1.5	2
5	Repairing Reed-Solomon Codes Evaluated on Subspaces. , 2021, , .		5
6	Bounds on the Capacity of PIR over Graphs. , 2021, , .		2
7	Multivariate Public Key Cryptosystem from Sidon Spaces. <i>Lecture Notes in Computer Science</i> , 2021, , 242-265.	1.0	4
8	Private Information Retrieval in Graph-Based Replication Systems. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 3590-3602.	1.5	18
9	Error Detection and Correction in Communication Networks. , 2020, , .		1
10	Gradient Coding From Cyclic MDS Codes and Expander Graphs. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 7475-7489.	1.5	46
11	Degenerate Turán densities of sparse hypergraphs. <i>Journal of Combinatorial Theory - Series A</i> , 2020, 173, 105228.	0.5	7
12	Sparse Hypergraphs with Applications to Coding Theory. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 1493-1504.	0.4	13
13	Error Correction Based on Partial Information. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 1396-1404.	1.5	4
14	The hat guessing number of graphs. <i>Journal of Combinatorial Theory Series B</i> , 2020, 144, 119-149.	0.6	10
15	Minimum Guesswork With an Unreliable Oracle. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 7528-7538.	1.5	1
16	New Turán Exponents for Two Extremal Hypergraph Problems. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 2338-2345.	0.4	1
17	The Hat Guessing Number of Graphs. , 2019, , .		1
18	The Repair Problem for Reed-Solomon Codes: Optimal Repair of Single and Multiple Erasures With Almost Optimal Node Size. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 2673-2695.	1.5	29

#	ARTICLE	IF	CITATIONS
19	MDS Code Constructions With Small Sub-Packetization and Near-Optimal Repair Bandwidth. IEEE Transactions on Information Theory, 2018, 64, 6506-6525.	1.5	36
20	Exploiting Locality for Improved Decoding of Binary Cyclic Codes. IEEE Transactions on Communications, 2018, 66, 2346-2358.	4.9	6
21	A Bound on the Shannon Capacity via a Linear Programming Variation. SIAM Journal on Discrete Mathematics, 2018, 32, 2229-2241.	0.4	6
22	Combinatorial Alphabet-Dependent Bounds for Locally Recoverable Codes. IEEE Transactions on Information Theory, 2018, 64, 3481-3492.	1.5	36
23	Construction of Sidon Spaces With Applications to Coding. IEEE Transactions on Information Theory, 2018, 64, 4412-4422.	1.5	26
24	Optimal Rebuilding of Multiple Erasures in MDS Codes. IEEE Transactions on Information Theory, 2017, 63, 1084-1101.	1.5	18
25	Locally Recoverable Codes on Algebraic Curves. IEEE Transactions on Information Theory, 2017, 63, 4928-4939.	1.5	51
26	A study on the impact of locality in the decoding of binary cyclic codes. , 2017, , .		1
27	Combinatorial and LP bounds for LRC codes. , 2016, , .		6
28	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
29	Optimal Locally Repairable Codes and Connections to Matroid Theory. IEEE Transactions on Information Theory, 2016, 62, 6661-6671.	1.5	87
30	Explicit Minimum Storage Regenerating Codes. IEEE Transactions on Information Theory, 2016, 62, 4466-4480.	1.5	51
31	Bounds on the Parameters of Locally Recoverable Codes. IEEE Transactions on Information Theory, 2016, 62, 3070-3083.	1.5	96
32	Locally recoverable codes on algebraic curves. , 2015, , .		7
33	Bounds on locally recoverable codes with multiple recovering sets. , 2014, , .		63
34	An Improved Sub-Packetization Bound for Minimum Storage Regenerating Codes. IEEE Transactions on Information Theory, 2014, 60, 2770-2779.	1.5	54
35	Access Versus Bandwidth in Codes for Storage. IEEE Transactions on Information Theory, 2014, 60, 2028-2037.	1.5	59
36	A Family of Optimal Locally Recoverable Codes. IEEE Transactions on Information Theory, 2014, 60, 4661-4676.	1.5	386

#	ARTICLE	IF	CITATIONS
37	Zigzag Codes: MDS Array Codes With Optimal Rebuilding. IEEE Transactions on Information Theory, 2013, 59, 1597-1616.	1.5	264
38	Optimal locally repairable codes and connections to matroid theory. , 2013, , .		95
39	Long MDS codes for optimal repair bandwidth. , 2012, , .		54
40	On the Labeling Problem of Permutation Group Codes Under the Infinity Metric. IEEE Transactions on Information Theory, 2012, 58, 6595-6604.	1.5	22
41	Optimal permutation anticodes with the infinity norm via permanents of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQ} 1 1 0.784314 \text{rgE}$ 118, 1761-1774.	1.5	4314
42	On codes for optimal rebuilding access. , 2011, , .		71
43	Correcting Limited-Magnitude Errors in the Rank-Modulation Scheme. IEEE Transactions on Information Theory, 2010, 56, 2551-2560.	1.5	72