

Zeev Dvir

List of Publications by Year in descending order

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37
papers

664
citations

1051969

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h-index

721071

23
g-index

37
all docs

37
docs citations

37
times ranked

243
citing authors

#	ARTICLE	IF	CITATIONS
1	Spanoids—An Abstraction of Spanning Structures, and a Barrier for LCCs. SIAM Journal on Computing, 2020, 49, 465-496.	0.8	3
2	Static data structure lower bounds imply rigidity. , 2019, , .		6
3	On the Number of Ordinary Lines Determined by Sets in Complex Space. Discrete and Computational Geometry, 2019, 61, 778-808.	0.4	0
4	Sylvester’s Gallai for Arrangements of Subspaces. Discrete and Computational Geometry, 2016, 56, 940-965.	0.4	2
5	2-Server PIR with Subpolynomial Communication. Journal of the ACM, 2016, 63, 1-15.	1.8	54
6	Affine extractors over large fields with exponential error. Computational Complexity, 2016, 25, 921-931.	0.2	4
7	Tight lower bounds for linear 2-query LCCs over finite fields. Combinatorica, 2016, 36, 1-36.	0.6	5
8	Special issue ‘‘Computational Complexity Conference 2015’’ Guest Editors’ Foreword. Computational Complexity, 2016, 25, 305-307.	0.2	0
9	A Quantitative Variant of the Multi-colored Motzkin’s Rabin Theorem. Discrete and Computational Geometry, 2015, 53, 38-47.	0.4	1
10	SYLVESTER’S GALLAI TYPE THEOREMS FOR APPROXIMATE COLLINEARITY. Forum of Mathematics, Sigma, 2014, 2, .	0.3	1
11	Breaking the quadratic barrier for 3-LCC’s over the reals. , 2014, , .		7
12	Variety Evasive Sets. Computational Complexity, 2014, 23, 509-529.	0.2	7
13	New Bounds for Matching Vector Families. SIAM Journal on Computing, 2014, 43, 1654-1683.	0.8	7
14	IMPROVED RANK BOUNDS FOR DESIGN MATRICES AND A NEW PROOF OF KELLY’S THEOREM. Forum of Mathematics, Sigma, 2014, 2, .	0.3	11
15	Lower Bounds for Approximate LDCs. Lecture Notes in Computer Science, 2014, , 259-270.	1.0	0
16	Extensions to the Method of Multiplicities, with Applications to Kakeya Sets and Mergers. SIAM Journal on Computing, 2013, 42, 2305-2328.	0.8	50
17	New bounds for matching vector families. , 2013, , .		10
18	Matching-Vector Families and LDCs over Large Modulo. Lecture Notes in Computer Science, 2013, , 513-526.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Incidence Theorems and Their Applications. Foundations and Trends in Theoretical Computer Science, 2012, 6, 257-393.	2.0	18
20	Extractors for varieties. Computational Complexity, 2012, 21, 515-572.	0.2	16
21	Tight Lower Bounds for 2-query LCCs over Finite Fields. , 2011, , .		8
22	Keakeya Sets, New Mergers, and Old Extractors. SIAM Journal on Computing, 2011, 40, 778-792.	0.8	10
23	Matching Vector Codes. SIAM Journal on Computing, 2011, 40, 1154-1178.	0.8	36
24	Towards dimension expanders over finite fields. Combinatorica, 2011, 31, 305-320.	0.6	6
25	On Matrix Rigidity and Locally Self-correctable Codes. Computational Complexity, 2011, 20, 367-388.	0.2	11
26	Rank bounds for design matrices with applications to combinatorial geometry and locally correctable codes. , 2011, , .		12
27	Hardness-Randomness Tradeoffs for Bounded Depth Arithmetic Circuits. SIAM Journal on Computing, 2010, 39, 1279-1293.	0.8	39
28	Matching Vector Codes. , 2010, , .		25
29	On the size of Keakeya sets in finite fields. Journal of the American Mathematical Society, 2009, 22, 1093-1097.	1.9	120
30	Extractors And Rank Extractors For Polynomial Sources. Computational Complexity, 2009, 18, 1-58.	0.2	30
31	Extensions to the Method of Multiplicities, with Applications to Keakeya Sets and Mergers. , 2009, , .		47
32	Analyzing linear mergers. Random Structures and Algorithms, 2008, 32, 334-345.	0.6	4
33	Noisy Interpolating Sets for Low Degree Polynomials. , 2008, , .		2
34	Keakeya Sets, New Mergers and Old Extractors. , 2008, , .		19
35	Hardness-randomness tradeoffs for bounded depth arithmetic circuits. , 2008, , .		4
36	Locally Decodable Codes with Two Queries and Polynomial Identity Testing for Depth 3 Circuits. SIAM Journal on Computing, 2007, 36, 1404-1434.	0.8	77

#	ARTICLE	IF	CITATIONS
37	An Improved Analysis of Linear Mergers. Computational Complexity, 2007, 16, 34-59.	0.2	10