Zeev Dvir

List of Publications by Year in Descending Order

37 papers	459 citations	12 h-index	20 g-index
37 ext. papers	535 ext. citations	0.9 avg, IF	4.07 L-index

#	Paper	IF	Citations
37	Spanoids---An Abstraction of Spanning Structures, and a Barrier for LCCs. *SIAM Journal on Computing*, **2020**, 49, 465-496	1.1	1
36	Static data structure lower bounds imply rigidity **2019**,		4
35	On the Number of Ordinary Lines Determined by Sets in Complex Space. *Discrete and Computational Geometry*, **2019**, 61, 778-808	0.6	
34	2-Server PIR with Subpolynomial Communication. *Journal of the ACM*, **2016**, 63, 1-15	2	34
33	Affine extractors over large fields with exponential error. *Computational Complexity*, **2016**, 25, 921-931	0.6	3
32	Tight lower bounds for linear 2-query LCCs over finite fields. *Combinatorica*, **2016**, 36, 1-36	0.9	2
31	Special issue Computational Complexity Conference 2015Guest EditorsForeword. *Computational Complexity*, **2016**, 25, 305-307	0.6	
30	SylvesterGallai for Arrangements of Subspaces. *Discrete and Computational Geometry*, **2016**, 56, 940-965	0.6	0
29	A Quantitative Variant of the Multi-colored MotzkinRabin Theorem. *Discrete and Computational Geometry*, **2015**, 53, 38-47	0.6	1
28	New Bounds for Matching Vector Families. *SIAM Journal on Computing*, **2014**, 43, 1654-1683	1.1	5
27	IMPROVED RANK BOUNDS FOR DESIGN MATRICES AND A NEW PROOF OF KELLYS THEOREM. *Forum of Mathematics, Sigma*, **2014**, 2,	1.4	7
26	SYLVESTERGALLAI TYPE THEOREMS FOR APPROXIMATE COLLINEARITY. *Forum of Mathematics, Sigma*, **2014**, 2,	1.4	1
25	Breaking the quadratic barrier for 3-LCC's over the reals **2014**,		6
24	Variety Evasive Sets. *Computational Complexity*, **2014**, 23, 509-529	0.6	1
23	Lower Bounds for Approximate LDCs. *Lecture Notes in Computer Science*, **2014**, 259-270	0.9	
22	Extensions to the Method of Multiplicities, with Applications to Kakeya Sets and Mergers. *SIAM Journal on Computing*, **2013**, 42, 2305-2328	1.1	29
21	New bounds for matching vector families **2013**,		7

20	Matching-Vector Families and LDCs over Large Modulo. *Lecture Notes in Computer Science*, **2013**, 513-526	0.9	1
19	Extractors for varieties. *Computational Complexity*, **2012**, 21, 515-572	0.6	12
18	Incidence Theorems and Their Applications. *Foundations and Trends in Theoretical Computer Science*, **2012**, 6, 257-393	0.7	15
17	Kakeya Sets, New Mergers, and Old Extractors. *SIAM Journal on Computing*, **2011**, 40, 778-792	1.1	8
16	Matching Vector Codes. *SIAM Journal on Computing*, **2011**, 40, 1154-1178	1.1	23
15	Towards dimension expanders over finite fields. *Combinatorica*, **2011**, 31, 305-320	0.9	3
14	On Matrix Rigidity and Locally Self-correctable Codes. *Computational Complexity*, **2011**, 20, 367-388	0.6	6
13	Tight Lower Bounds for 2-query LCCs over Finite Fields **2011**,		7
12	Rank bounds for design matrices with applications toc ombinatorial geometry and locally correctable codes **2011**,		9
11	Hardness-Randomness Tradeoffs for Bounded Depth Arithmetic Circuits. *SIAM Journal on Computing*, **2010**, 39, 1279-1293	1.1	22
10	Matching Vector Codes **2010**,		21
9	Extractors And Rank Extractors For Polynomial Sources. *Computational Complexity*, **2009**, 18, 1-58	0.6	26
8	Extensions to the Method of Multiplicities, with Applications to Kakeya Sets and Mergers **2009**,		34
7	Noisy Interpolating Sets for Low Degree Polynomials **2008**,		2
6	Kakeya Sets, New Mergers and Old Extractors **2008**,		15
5	On the size of Kakeya sets in finite fields. *Journal of the American Mathematical Society*, **2008**, 22, 1093-1097	1.07	80
4	Hardness-randomness tradeoffs for bounded depth arithmetic circuits **2008**,		4
3	Analyzing linear mergers. *Random Structures and Algorithms*, **2008**, 32, 334-345	0.8	4

2	An Improved Analysis of Linear Mergers. *Computational Complexity*, **2007**, 16, 34-59	0.6	10
1	Locally Decodable Codes with Two Queries and Polynomial Identity Testing for Depth 3 Circuits. *SIAM Journal on Computing*, **2007**, 36, 1404-1434	1.1	56