

# Asaf Shapira

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Counting Subgraphs in Degenerate Graphs. <i>Journal of the ACM</i> , 2022, 69, 1-21.	2.2	3
2	Tournament Quasirandomness from Local Counting. <i>Combinatorica</i> , 2021, 41, 175-208.	1.2	7
3	A Ramsey variant of the Brown-Erdős-Sós conjecture. <i>Bulletin of the London Mathematical Society</i> , 2021, 53, 1453.	0.8	1
4	A Generalized Turán Problem and its Applications. <i>International Mathematics Research Notices</i> , 2020, 2020, 3417-3452.	1.0	16
5	The Induced Removal Lemma in Sparse Graphs. <i>Combinatorics Probability and Computing</i> , 2020, 29, 153-162.	1.3	0
6	A quantitative Lovász criterion for Property B. <i>Combinatorics Probability and Computing</i> , 2020, 29, 956-960.	1.3	0
7	A Tight Bound for Hypergraph Regularity. <i>Geometric and Functional Analysis</i> , 2019, 29, 1531-1578.	1.8	4
8	Removal Lemmas with Polynomial Bounds. <i>International Mathematics Research Notices</i> , 2019, , .	1.0	1
9	Testing graphs against an unknown distribution. , 2019, , .		0
10	Efficient Removal Without Efficient Regularity. <i>Combinatorica</i> , 2019, 39, 639-658.	1.2	5
11	A sparse regular approximation lemma. <i>Transactions of the American Mathematical Society</i> , 2019, 371, 6779-6814.	0.9	5
12	The removal lemma for tournaments. <i>Journal of Combinatorial Theory Series B</i> , 2019, 136, 110-134.	1.0	4
13	Decomposing a graph into expanding subgraphs. <i>Random Structures and Algorithms</i> , 2018, 52, 158-178.	1.1	5
14	A generalized Turán problem and its applications. , 2018, , .		5
15	Constructing near spanning trees with few local inspections. <i>Random Structures and Algorithms</i> , 2017, 50, 183-200.	1.1	5
16	Removal lemmas with polynomial bounds. , 2017, , .		9
17	A tournament approach to pattern avoiding matrices. <i>Israel Journal of Mathematics</i> , 2017, 217, 477-505.	0.8	0
18	An improved lower bound for arithmetic regularity. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2016, 161, 193-197.	0.4	4

#	ARTICLE	IF	CITATIONS
19	A short proof of Gowers's lower bound for the regularity lemma. <i>Combinatorica</i> , 2016, 36, 187-194.	1.2	15
20	Unavoidable tournaments. <i>Journal of Combinatorial Theory Series B</i> , 2016, 116, 191-207.	1.0	3
21	Decomposing a Graph Into Expanding Subgraphs. , 2015, , .		2
22	Small complete minors above the extremal edge density. <i>Combinatorica</i> , 2015, 35, 75-94.	1.2	17
23	A unified framework for testing linear-invariant properties. <i>Random Structures and Algorithms</i> , 2015, 46, 232-260.	1.1	13
24	An Optimal Algorithm for Finding Frieze-Kannan Regular Partitions. <i>Combinatorics Probability and Computing</i> , 2015, 24, 407-437.	1.3	8
25	Deterministic vs non-deterministic graph property testing. <i>Israel Journal of Mathematics</i> , 2014, 204, 397-416.	0.8	3
26	Finding cycles and trees in sublinear time. <i>Random Structures and Algorithms</i> , 2014, 45, 139-184.	1.1	23
27	A Note on Even Cycles and Quasirandom Tournaments. <i>Journal of Graph Theory</i> , 2013, 73, 260-266.	0.9	7
28	Large Feedback Arc Sets, High Minimum Degree Subgraphs, and Long Cycles in Eulerian Digraphs. <i>Combinatorics Probability and Computing</i> , 2013, 22, 859-873.	1.3	6
29	A Wowzer-type lower bound for the strong regularity lemma. <i>Proceedings of the London Mathematical Society</i> , 2013, 106, 621-649.	1.3	7
30	Testing Odd-Cycle-Freeness in Boolean Functions. <i>Combinatorics Probability and Computing</i> , 2012, 21, 835-855.	1.3	5
31	A Deterministic Algorithm for the Frieze-Kannan Regularity Lemma. <i>SIAM Journal on Discrete Mathematics</i> , 2012, 26, 15-29.	0.8	8
32	The quasi-randomness of hypergraph cut properties. <i>Random Structures and Algorithms</i> , 2012, 40, 105-131.	1.1	6
33	Testing Odd-Cycle-Freeness in Boolean Functions. , 2012, , .		1
34	Sublinear Time Algorithms. <i>SIAM Journal on Discrete Mathematics</i> , 2011, 25, 1562-1588.	0.8	66
35	All-Pairs Bottleneck Paths in Vertex Weighted Graphs. <i>Algorithmica</i> , 2011, 59, 621-633.	1.3	9
36	Testing the expansion of a graph. <i>Information and Computation</i> , 2010, 208, 309-314.	0.7	17

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37	Every minor-closed property of sparse graphs is testable. <i>Advances in Mathematics</i> , 2010, 223, 2200-2218.	1.1	33
38	The effect of induced subgraphs on quasi-randomness. <i>Random Structures and Algorithms</i> , 2010, 36, 90-109.	1.1	7
39	A proof of Green's conjecture regarding the removal properties of sets of linear equations. <i>Journal of the London Mathematical Society</i> , 2010, 81, 355-373.	1.0	29
40	A Unified Framework for Testing Linear-Invariant Properties. , 2010, , .		19
41	On randomizing two derandomized greedy algorithms. <i>Electronic Journal of Combinatorics</i> , 2010, 1, 265-283.	0.1	3
42	Green's Conjecture and Testing Linear Invariant Properties. <i>Lecture Notes in Computer Science</i> , 2010, , 355-358.	1.3	0
43	Green's conjecture and testing linear-invariant properties. , 2009, , .		22
44	Testing Hereditary Properties of Nonexpanding Bounded-Degree Graphs. <i>SIAM Journal on Computing</i> , 2009, 38, 2499-2510.	1.0	44
45	A Combinatorial Characterization of the Testable Graph Properties: It's All About Regularity. <i>SIAM Journal on Computing</i> , 2009, 39, 143-167.	1.0	91
46	Can a Graph Have Distinct Regular Partitions?. <i>SIAM Journal on Discrete Mathematics</i> , 2009, 23, 278-287.	0.8	5
47	Additive approximation for edge-deletion problems. <i>Annals of Mathematics</i> , 2009, 170, 371-411.	4.2	20
48	A separation theorem in property testing. <i>Combinatorica</i> , 2008, 28, 261-281.	1.2	21
49	Quasi-randomness and the distribution of copies of a fixed graph. <i>Combinatorica</i> , 2008, 28, 735-745.	1.2	18
50	Every Monotone Graph Property Is Testable. <i>SIAM Journal on Computing</i> , 2008, 38, 505-522.	1.0	52
51	A Characterization of the (Natural) Graph Properties Testable with One-Sided Error. <i>SIAM Journal on Computing</i> , 2008, 37, 1703-1727.	1.0	96
52	An Elementary Construction of Constant-Degree Expanders. <i>Combinatorics Probability and Computing</i> , 2008, 17, 319-327.	1.3	17
53	On An Extremal Hypergraph Problem Of Brown, Erdős And Sós. <i>Combinatorica</i> , 2006, 26, 627-645.	1.2	27
54	A Characterization of Easily Testable Induced Subgraphs. <i>Combinatorics Probability and Computing</i> , 2006, 15, 791.	1.3	54

#	ARTICLE	IF	CITATIONS
55	Every monotone graph property is testable. , 2005, , .		40
56	Testing subgraphs in directed graphs. Journal of Computer and System Sciences, 2004, 69, 354-382.	1.2	62
57	Testing satisfiability. Journal of Algorithms, 2003, 47, 87-103.	0.9	21
58	Testing graphs against an unknown distribution. Israel Journal of Mathematics, 0, , 1.	0.8	0