

Alexander Schrijver

List of Publications by Year in descending order

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38
papers

2,884
citations

471371

17
h-index

345118

36
g-index

39
all docs

39
docs citations

39
times ranked

1349
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric Algorithms and Combinatorial Optimization. Algorithms and Combinatorics, 1988, , .	0.6	1,689
2	On the history of the transportation and maximum flow problems. Mathematical Programming, 2002, 91, 437-445.	1.6	166
3	A rolling stock circulation model for combining and splitting of passenger trains. European Journal of Operational Research, 2006, 174, 1281-1297.	3.5	140
4	The New Dutch Timetable: The OR Revolution. Interfaces, 2009, 39, 6-17.	1.6	129
5	Reflection positivity, rank connectivity, and homomorphism of graphs. Journal of the American Mathematical Society, 2006, 20, 37-51.	1.9	94
6	Counting 1-Factors in Regular Bipartite Graphs. Journal of Combinatorial Theory Series B, 1998, 72, 122-135.	0.6	84
7	Reduction of symmetric semidefinite programs using the regular \ast -representation. Mathematical Programming, 2007, 109, 613-624.	1.6	84
8	Finding k Disjoint Paths in a Directed Planar Graph. SIAM Journal on Computing, 1994, 23, 780-788.	0.8	76
9	Bipartite Edge Coloring in $O(\Delta m)$ Time. SIAM Journal on Computing, 1998, 28, 841-846.	0.8	70
10	A Borsuk theorem for antipodal links and a spectral characterization of linklessly embeddable graphs. Proceedings of the American Mathematical Society, 1998, 126, 1275-1285.	0.4	49
11	New upper bounds for nonbinary codes based on the Terwilliger algebra and semidefinite programming. Journal of Combinatorial Theory - Series A, 2006, 113, 1719-1731.	0.5	48
12	On the null space of a Colin de Verdière matrix. Annales De L'Institut Fourier, 1999, 49, 1017-1026.	0.2	33
13	Invariant Semidefinite Programs. Profiles in Operations Research, 2012, , 219-269.	0.3	31
14	Semidefinite Code Bounds Based on Quadruple Distances. IEEE Transactions on Information Theory, 2012, 58, 2697-2705.	1.5	28
15	A Convex Quadratic Characterization of the Lovász Theta Number. SIAM Journal on Discrete Mathematics, 2005, 19, 382-387.	0.4	23
16	Characterizing partition functions of the vertex model. Journal of Algebra, 2012, 350, 197-206.	0.4	19
17	On Leonid Gurvits's Proof for Permanents. American Mathematical Monthly, 2010, 117, 903.	0.2	17
18	Making Curves Minimally Crossing by Reidemeister Moves. Journal of Combinatorial Theory Series B, 1997, 70, 134-156.	0.6	16

#	ARTICLE	IF	CITATIONS
19	Semidefinite bounds for nonbinary codes based on quadruples. <i>Designs, Codes, and Cryptography</i> , 2017, 84, 87-100.	1.0	16
20	Graph invariants in the spin model. <i>Journal of Combinatorial Theory Series B</i> , 2009, 99, 502-511.	0.6	15
21	Total Dual Integrality of Matching Forest Constraints. <i>Combinatorica</i> , 2000, 20, 575-588.	0.6	10
22	Characterizing partition functions of the spin model by rank growth. <i>Indagationes Mathematicae</i> , 2013, 24, 1018-1023.	0.2	7
23	Tensor subalgebras and first fundamental theorems in invariant theory. <i>Journal of Algebra</i> , 2008, 319, 1305-1319.	0.4	6
24	Decomposition of Graphs on Surfaces. <i>Journal of Combinatorial Theory Series B</i> , 1997, 70, 157-165.	0.6	5
25	Compact orbit spaces in Hilbert spaces and limits of edge-colouring models. <i>European Journal of Combinatorics</i> , 2016, 52, 389-395.	0.5	5
26	Shortest vertex-disjoint two-face paths in planar graphs. <i>ACM Transactions on Algorithms</i> , 2011, 7, 1-12.	0.9	4
27	Characterizing partition functions of the edge-coloring model by rank growth. <i>Journal of Combinatorial Theory - Series A</i> , 2015, 136, 164-173.	0.5	4
28	The Strong Arnold Property for 4-connected flat graphs. <i>Linear Algebra and Its Applications</i> , 2017, 522, 153-160.	0.4	3
29	Dual graph homomorphism functions. <i>Journal of Combinatorial Theory - Series A</i> , 2010, 117, 216-222.	0.5	2
30	On traces of tensor representations of diagrams. <i>Linear Algebra and Its Applications</i> , 2015, 476, 28-41.	0.4	2
31	Finding k Partially Disjoint Paths in a Directed Planar Graph. <i>Bolyai Society Mathematical Studies</i> , 2019, , 417-444.	0.3	2
32	Semidefinite Functions on Categories. <i>Electronic Journal of Combinatorics</i> , 2009, 16, .	0.2	2
33	Connection matrices and Lie algebra weight systems for multiloop chord diagrams. <i>Journal of Algebraic Combinatorics</i> , 2015, 42, 893-905.	0.4	1
34	On Lie algebra weight systems for 3-graphs. <i>Journal of Pure and Applied Algebra</i> , 2015, 219, 4597-4606.	0.3	1
35	Complexity of disjoint paths problems in planar graphs. <i>Lecture Notes in Computer Science</i> , 1993, , 357-359.	1.0	1
36	Paths in Graphs and Curves on Surfaces. , 1994, , 381-406.		1

#	ARTICLE	IF	CITATIONS
37	On partition functions for 3-graphs. Journal of Combinatorial Theory Series B, 2016, 121, 421-431.	0.6	0
38	Nullspace Embeddings for Outerplanar Graphs. , 2017, , 571-591.		0