Alexander Schrijver

List of Publications by Year
in descending order

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	Finding k Partially Disjoint Paths in a Directed Planar Graph. Bolyai Society Mathematical Studies, 2019, , 417-444.	0.3	2
2	Semidefinite bounds for nonbinary codes based on quadruples. Designs, Codes, and Cryptography, 2017, 84, 87-100.	1.0	16
3	The Strong Arnold Property for 4-connected flat graphs. Linear Algebra and Its Applications, 2017, 522, 153-160.	0.4	3
4	Nullspace Embeddings for Outerplanar Graphs. , 2017, , 571-591.		0
5	Compact orbit spaces in Hilbert spaces and limits of edge-colouring models. European Journal of Combinatorics, 2016, 52, 389-395.	0.5	5
6	On partition functions for 3-graphs. Journal of Combinatorial Theory Series B, 2016, 121, 421-431.	0.6	0
7	Connection matrices and Lie algebra weight systems for multiloop chord diagrams. Journal of Algebraic Combinatorics, 2015, 42, 893-905.	0.4	1
8	On traces of tensor representations of diagrams. Linear Algebra and Its Applications, 2015, 476, 28-41.	0.4	2
9	Characterizing partition functions of the edge-coloring model by rank growth. Journal of Combinatorial Theory - Series A, 2015, 136, 164-173.	0.5	4
10	On Lie algebra weight systems for 3-graphs. Journal of Pure and Applied Algebra, 2015, 219, 4597-4606.	0.3	1
11	Characterizing partition functions of the spin model by rank growth. Indagationes Mathematicae, 2013, 24, 1018-1023.	0.2	7
12	Invariant Semidefinite Programs. Profiles in Operations Research, 2012, , 219-269.	0.3	31
13	Characterizing partition functions of the vertex model. Journal of Algebra, 2012, 350, 197-206.	0.4	19
14	Semidefinite Code Bounds Based on Quadruple Distances. IEEE Transactions on Information Theory, 2012, 58, 2697-2705.	1.5	28
15	Shortest vertex-disjoint two-face paths in planar graphs. ACM Transactions on Algorithms, 2011, 7, 1-12.	0.9	4
16	Dual graph homomorphism functions. Journal of Combinatorial Theory - Series A, 2010, 117, 216-222.	0.5	2
17	On Leonid Gurvits's Proof for Permanents. American Mathematical Monthly, 2010, 117, 903.	0.2	17
18	Graph invariants in the spin model. Journal of Combinatorial Theory Series B, 2009, 99, 502-511.	0.6	15

#	Article	IF	Citations
19	The New Dutch Timetable: The OR Revolution. Interfaces, 2009, 39, 6-17.	1.6	129
20	Semidefinite Functions on Categories. Electronic Journal of Combinatorics, 2009, 16, .	0.2	2
21	Tensor subalgebras and first fundamental theorems in invariant theory. Journal of Algebra, 2008, 319, 1305-1319.	0.4	6
22	Reduction of symmetric semidefinite programs using the regular $$ast$$ -representation. Mathematical Programming, 2007, 109, 613-624.	1.6	84
23	Reflection positivity, rank connectivity, and homomorphism of graphs. Journal of the American Mathematical Society, 2006, 20, 37-51.	1.9	94
24	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
25	A rolling stock circulation model for combining and splitting of passenger trains. European Journal of Operational Research, 2006, 174, 1281-1297.	3.5	140
26	A Convex Quadratic Characterization of the LovÃ¡sz Theta Number. SIAM Journal on Discrete Mathematics, 2005, 19, 382-387.	0.4	23
27	On the history of the transportation and maximum flow problems. Mathematical Programming, 2002, 91, 437-445.	1.6	166
28	Total Dual Integrality of Matching Forest Constraints. Combinatorica, 2000, 20, 575-588.	0.6	10
29	On the null space of a Colin de VerdiÃ¨re matrix. Annales De L'Institut Fourier, 1999, 49, 1017-1026.	0.2	33
30	Counting 1-Factors in Regular Bipartite Graphs. Journal of Combinatorial Theory Series B, 1998, 72, 122-135.	0.6	84
31	Bipartite Edge Coloring in $O(Delta m)$ Time. SIAM Journal on Computing, 1998, 28, 841-846.	0.8	70
32	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
33	Decomposition of Graphs on Surfaces. Journal of Combinatorial Theory Series B, 1997, 70, 157-165.	0.6	5
34	Making Curves Minimally Crossing by Reidemeister Moves. Journal of Combinatorial Theory Series B, 1997, 70, 134-156.	0.6	16
35	Finding k Disjoint Paths in a Directed Planar Graph. SIAM Journal on Computing, 1994, 23, 780-788.	0.8	76
36	Paths in Graphs and Curves on Surfaces. , 1994, , 381-406.		1

#	Article	IF	Citations
37	Complexity of disjoint paths problems in planar graphs. Lecture Notes in Computer Science, 1993, , 357-359.	1.0	1
38	Geometric Algorithms and Combinatorial Optimization. Algorithms and Combinatorics, 1988, , .	0.6	1,689