

Jan KynÄb

List of Publications by Year in descending order

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papers

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54
all docs

54
docs citations

54
times ranked

156
citing authors

#	ARTICLE	IF	CITATIONS
1	Crossing Numbers and Combinatorial Characterization of Monotone Drawings of K_n . Discrete and Computational Geometry, 2015, 53, 107-143.	0.6	24
2	Simple Realizability of Complete Abstract Topological Graphs in \mathbb{P} . Discrete and Computational Geometry, 2011, 45, 383-399.	0.6	21
3	Enumeration of simple complete topological graphs. European Journal of Combinatorics, 2009, 30, 1676-1685.	0.8	19
4	Long alternating paths in bicolored point sets. Discrete Mathematics, 2008, 308, 4315-4321.	0.7	16
5	Tight bounds on the maximum size of a set of permutations with bounded VC-dimension. Journal of Combinatorial Theory - Series A, 2012, 119, 1461-1478.	0.8	14
6	Improved Enumeration of Simple Topological Graphs. Discrete and Computational Geometry, 2013, 50, 727-770.	0.6	14
7	6-Critical Graphs on the Klein Bottle. SIAM Journal on Discrete Mathematics, 2009, 23, 372-383.	0.8	13
8	Probabilistic strategies for the partition and plurality problems. Random Structures and Algorithms, 2007, 30, 63-77.	1.1	10
9	Ramsey numbers of ordered graphs. Electronic Notes in Discrete Mathematics, 2015, 49, 419-424.	0.4	9
10	Ramsey Numbers of Ordered Graphs. Electronic Journal of Combinatorics, 2020, 27, .	0.4	8
11	Logspace Reduction of Directed Reachability for Bounded Genus Graphs to the Planar Case. ACM Transactions on Computation Theory, 2010, 1, 1-11.	0.7	7
12	Ramsey-type constructions for arrangements of segments. European Journal of Combinatorics, 2012, 33, 336-339.	0.8	7
13	Saturated simple and k -simple topological graphs. Computational Geometry: Theory and Applications, 2015, 48, 295-310.	0.5	7
14	Graph sharing games: Complexity and connectivity. Theoretical Computer Science, 2013, 494, 49-62.	0.9	6
15	Near equipartitions of colored point sets. Computational Geometry: Theory and Applications, 2017, 65, 35-42.	0.5	6
16	A superlinear lower bound on the number of 5-holes. Journal of Combinatorial Theory - Series A, 2020, 173, 105236.	0.8	6
17	Three Optimal Algorithms for Balls of Three Colors. Lecture Notes in Computer Science, 2005, , 206-217.	1.3	5
18	Improvement on the Decay of Crossing Numbers. , 2007, , 25-30.		5

#	ARTICLE	IF	CITATIONS
19	Solution of Peter Winkler's Pizza Problem. Lecture Notes in Computer Science, 2009, , 356-367.	1.3	5
20	Hamiltonian Alternating Paths on Bicolored Double-Chains. Lecture Notes in Computer Science, 2009, , 181-192.	1.3	5
21	On edges crossing few other edges in simple topological complete graphs. Discrete Mathematics, 2009, 309, 1917-1923.	0.7	4
22	Peeling Potatoes Near-Optimally in Near-Linear Time. , 2014, , .		4
23	Hardness of Permutation Pattern Matching. , 2017, , .		4
24	Peeling Potatoes Near-Optimally in Near-Linear Time. SIAM Journal on Computing, 2017, 46, 1574-1602.	1.0	4
25	The hamburger theorem. Computational Geometry: Theory and Applications, 2018, 68, 167-173.	0.5	4
26	Simple Realizability of Complete Abstract Topological Graphs Simplified. Discrete and Computational Geometry, 2020, 64, 1-27.	0.6	4
27	Better upper bounds on the Erdős-Hajnal limits of permutations. , 2017, , .		4
28	Minimal Representations of Order Types by Geometric Graphs. Lecture Notes in Computer Science, 2019, , 101-113.	1.3	4
29	Bounds for Pach's Selection Theorem and for the Minimum Solid Angle in a Simplex. Discrete and Computational Geometry, 2015, 54, 610-636.	0.6	3
30	Counterexample to an Extension of the Hanani-Tutte Theorem on the Surface of Genus 4. Combinatorica, 2019, 39, 1267-1279.	1.2	3
31	Simple Realizability of Complete Abstract Topological Graphs Simplified. Lecture Notes in Computer Science, 2015, , 309-320.	1.3	3
32	Enumeration of simple complete topological graphs. Electronic Notes in Discrete Mathematics, 2007, 29, 295-299.	0.4	2
33	Ramsey-type constructions for arrangements of segments. Electronic Notes in Discrete Mathematics, 2008, 31, 265-269.	0.4	2
34	On planar point sets with the pentagon property. , 2013, , .		2
35	ZEROS OF THE MÖBIUS FUNCTION OF PERMUTATIONS. Mathematika, 2019, 65, 1074-1092.	0.5	2
36	On the growth of the Möbius function of permutations. Journal of Combinatorial Theory - Series A, 2020, 169, 105121.	0.8	2

#	ARTICLE	IF	CITATIONS
37	The Complexity of Several Realizability Problems for Abstract Topological Graphs. , 2007, , 137-158.		2
38	Graph Sharing Games: Complexity and Connectivity. Lecture Notes in Computer Science, 2010, , 340-349.	1.3	2
39	Solution of Peter Winkler's Pizza Problem*. Bolyai Society Mathematical Studies, 2010, , 63-93.	0.3	2
40	On Edges Crossing Few Other Edges in Simple Topological Complete Graphs. Lecture Notes in Computer Science, 2006, , 274-284.	1.3	2
41	On crossing-families in planar point sets. Computational Geometry: Theory and Applications, 2022, 107, 101899.	0.5	2
42	Monochromatic triangles in two-colored plane. Combinatorica, 2009, 29, 699-718.	1.2	1
43	Improvement on the Decay of Crossing Numbers. Graphs and Combinatorics, 2013, 29, 365-371.	0.4	1
44	On three measures of non-convexity. Israel Journal of Mathematics, 2017, 218, 331-369.	0.8	1
45	Clustered Planarity Testing Revisited. Lecture Notes in Computer Science, 2014, , 428-439.	1.3	1
46	Unified Hanani-Tutte Theorem. Electronic Journal of Combinatorics, 2017, 24, .	0.4	1
47	Six-Critical Graphs on the Klein Bottle. Electronic Notes in Discrete Mathematics, 2008, 31, 235-240.	0.4	0
48	Induced Ramsey-type results and binary predicates for point sets. Electronic Notes in Discrete Mathematics, 2017, 61, 77-83.	0.4	0
49	On Three Parameters of Invisibility Graphs. Lecture Notes in Computer Science, 2010, , 192-198.	1.3	0
50	Minimal Representations of Order Types by Geometric Graphs. Journal of Graph Algorithms and Applications, 2020, 24, 551-572.	0.4	0
51	The \mathbb{Z}_2 -Genus of Kuratowski Minors. Discrete and Computational Geometry, 0, , .	0.6	0