

# Balázs Keszegh

## List of Publications by Year in descending order

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54  
papers

316  
citations

1040056

9  
h-index

996975

15  
g-index

57  
all docs

57  
docs citations

57  
times ranked

151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drawing Planar Graphs of Bounded Degree with Few Slopes. SIAM Journal on Discrete Mathematics, 2013, 27, 1171-1183.	0.8	30
2	Unique-Maximum and Conflict-Free Coloring for Hypergraphs and Tree Graphs. SIAM Journal on Discrete Mathematics, 2013, 27, 1775-1787.	0.8	27
3	Graphs that admit right angle crossing drawings. Computational Geometry: Theory and Applications, 2012, 45, 169-177.	0.5	23
4	Octants Are Cover-Decomposable. Discrete and Computational Geometry, 2012, 47, 598-609.	0.6	19
5	Drawing cubic graphs with at most five slopes. Computational Geometry: Theory and Applications, 2008, 40, 138-147.	0.5	18
6	On linear forbidden submatrices. Journal of Combinatorial Theory - Series A, 2009, 116, 232-241.	0.8	16
7	Coloring half-planes and bottomless rectangles. Computational Geometry: Theory and Applications, 2012, 45, 495-507.	0.5	14
8	Saturating Sperner Families. Graphs and Combinatorics, 2013, 29, 1355-1364.	0.4	14
9	Improved upper bounds on the reflexivity of point sets. Computational Geometry: Theory and Applications, 2009, 42, 241-249.	0.5	10
10	Convex Polygons are Self-Coverable. Discrete and Computational Geometry, 2014, 51, 885-895.	0.6	10
11	Topological orderings of weighted directed acyclic graphs. Information Processing Letters, 2016, 116, 564-568.	0.6	8
12	Induced and non-induced poset saturation problems. Journal of Combinatorial Theory - Series A, 2021, 184, 105497.	0.8	8
13	Octants are cover-decomposable into many coverings. Computational Geometry: Theory and Applications, 2014, 47, 585-588.	0.5	7
14	Coloring Points with Respect to Squares. Discrete and Computational Geometry, 2017, 58, 757-784.	0.6	7
15	On the tree search problem with non-uniform costs. Theoretical Computer Science, 2016, 647, 22-32.	0.9	6
16	Coloring Intersection Hypergraphs of Pseudo-Disks. Discrete and Computational Geometry, 2020, 64, 942-964.	0.6	6
17	Online and Quasi-online Colorings of Wedges and Intervals. Order, 2016, 33, 389-409.	0.5	5
18	Finding a non-minority ball with majority answers. Discrete Applied Mathematics, 2017, 219, 18-31.	0.9	5

#	ARTICLE	IF	CITATIONS
19	On the Number of Edge-Disjoint Triangles in $K_4$ -Free Graphs. <i>Combinatorica</i> , 2017, 37, 1113-1124.	1.2	5
20	On the Number of Cycles in a Graph with Restricted Cycle Lengths. <i>SIAM Journal on Discrete Mathematics</i> , 2018, 32, 266-279.	0.8	5
21	Coloring Hypergraphs Defined by Stabbed Pseudo-Disks and ABAB-Free Hypergraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 2250-2269.	0.8	5
22	Generalizations of the tree packing conjecture. <i>Discussiones Mathematicae - Graph Theory</i> , 2012, 32, 569.	0.3	5
23	Set systems related to a house allocation problem. <i>Discrete Mathematics</i> , 2020, 343, 111886.	0.7	4
24	Polychromatic colorings of arbitrary rectangular partitions. <i>Discrete Mathematics</i> , 2010, 310, 21-30.	0.7	3
25	On Polygons Excluding Point Sets. <i>Graphs and Combinatorics</i> , 2013, 29, 1741-1753.	0.4	3
26	Covering Paths for Planar Point Sets. <i>Discrete and Computational Geometry</i> , 2014, 51, 462-484.	0.6	3
27	Counting houses of Pareto optimal matchings in the house allocation problem. <i>Discrete Mathematics</i> , 2016, 339, 2919-2932.	0.7	3
28	Proper Coloring of Geometric Hypergraphs. <i>Discrete and Computational Geometry</i> , 2019, 62, 674-689.	0.6	3
29	Generalized Forbidden Subposet Problems. <i>Order</i> , 2020, 37, 389-410.	0.5	3
30	Saturation problems in the Ramsey theory of graphs, posets and point sets. <i>European Journal of Combinatorics</i> , 2021, 95, 103321.	0.8	3
31	Cubic graphs have bounded slope parameter. <i>Journal of Graph Algorithms and Applications</i> , 2010, 14, 5-17.	0.4	3
32	Finding a majority ball with majority answers. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 49, 345-351.	0.4	2
33	An improvement on the maximum number of $k$ -dominating independent sets. <i>Journal of Graph Theory</i> , 2019, 91, 88-97.	0.9	2
34	On Covering Numbers, Young Diagrams, and the Local Dimension of Posets. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 915-927.	0.8	2
35	Polychromatic Colorings of $n$ -Dimensional Guillotine-Partitions. <i>Lecture Notes in Computer Science</i> , 2008, , 110-118.	1.3	2
36	Online and Quasi-online Colorings of Wedges and Intervals. <i>Lecture Notes in Computer Science</i> , 2013, , 292-306.	1.3	2

#	ARTICLE	IF	CITATIONS
37	An Abstract Approach to Polychromatic Coloring: Shallow Hitting Sets in ABA-free Hypergraphs and Pseudohalfplanes. Lecture Notes in Computer Science, 2016, , 266-280.	1.3	2
38	Octants are Cover Decomposable. Electronic Notes in Discrete Mathematics, 2011, 38, 499-504.	0.4	1
39	Path Search in the Pyramid and in Other Graphs. Journal of Statistical Theory and Practice, 2012, 6, 303-314.	0.5	1
40	On the number of edge-disjoint triangles in K4-free graphs. Electronic Notes in Discrete Mathematics, 2017, 61, 557-560.	0.4	1
41	Partial-Matching RMS Distance Under Translation: Combinatorics and Algorithms. Algorithmica, 2018, 80, 2400-2421.	1.3	1
42	A note about online nonrepetitive coloring k-trees. Discrete Applied Mathematics, 2020, 285, 108-112.	0.9	1
43	Two-Coloring Triples such that in Each Color Class Every Element is Missed at Least Once. Graphs and Combinatorics, 2020, 36, 1783-1795.	0.4	1
44	Adaptive majority problems for restricted query graphs and for weighted sets. Discrete Applied Mathematics, 2021, 288, 235-245.	0.9	1
45	Saturation Problems about Forbidden 0-1 Submatrices. SIAM Journal on Discrete Mathematics, 2021, 35, 1964-1977.	0.8	1
46	Coloring Delaunay-edges and their generalizations. Computational Geometry: Theory and Applications, 2021, 96, 101745.	0.5	1
47	Counting Houses of Pareto Optimal Matchings in the House Allocation Problem. Lecture Notes in Computer Science, 2014, , 301-312.	1.3	1
48	On the Size of Planarly Connected Crossing Graphs. Lecture Notes in Computer Science, 2016, , 311-320.	1.3	1
49	Box-respecting colorings of $\langle \text{mml:math altimg="si3.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" \rangle$	0.7	0
50	Choosability and paintability of the lexicographic product of graphs. Discrete Applied Mathematics, 2017, 223, 84-90.	0.9	0
51	Line Percolation in Finite Projective Planes. SIAM Journal on Discrete Mathematics, 2018, 32, 864-881.	0.8	0
52	Discrete Helly-Type Theorems for Pseudohalfplanes. Trends in Mathematics, 2021, , 359-365.	0.1	0
53	Search for the end of a path in the d-dimensional grid and in other graphs. Ars Mathematica Contemporanea, 2017, 12, 301-314.	0.6	0
54	Discrete Helly-type theorems for pseudohalfplanes. European Journal of Combinatorics, 2022, 101, 103469.	0.8	0