

# Thomas Zaslavsky

## List of Publications by Year in descending order

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89  
papers

2,400  
citations

304368

22  
h-index

214527

47  
g-index

90  
all docs

90  
docs citations

90  
times ranked

712  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two Hamiltonian cycles. Discrete Mathematics, 2022, 345, 112797.	0.4	1
2	Homomorphisms of signed graphs: An update. European Journal of Combinatorics, 2021, 91, 103222.	0.5	19
3	Signed distance in signed graphs. Linear Algebra and Its Applications, 2021, 608, 236-247.	0.4	8
4	The characteristic polynomial of a graph containing loops. Discrete Applied Mathematics, 2021, 300, 97-106.	0.5	2
5	A $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1280" altimg="si703.svg">\langle \text{mml:mi}>q\langle \text{mml:mi}>\langle \text{mml:math}>\text{-Queens Problem IV. Attacking configurations and their denominators. Discrete Mathematics, 2020, 343, 111649.}$	0.4	1
6	Transitive closure and transitive reduction in bidirected graphs. , 2019, 69, 295-315.		2
7	Biased graphs. VI. synthetic geometry. European Journal of Combinatorics, 2019, 81, 119-141.	0.5	0
8	A q-queens problem. VI. The bishops' period. Ars Mathematica Contemporanea, 2019, 16, 549-561.	0.3	2
9	Negative (and positive) circles in signed graphs: A problem collection. AKCE International Journal of Graphs and Combinatorics, 2018, 15, 31-48.	0.4	6
10	Mock threshold graphs. Discrete Mathematics, 2018, 341, 2159-2178.	0.4	4
11	Resolution of indecomposable integral flows on signed graphs. Discrete Mathematics, 2017, 340, 1271-1286.	0.4	4
12	Forbidden Induced Subgraphs. Electronic Notes in Discrete Mathematics, 2017, 63, 3-10.	0.4	2
13	Negative Circles in Signed Graphs: A Problem Collection. Electronic Notes in Discrete Mathematics, 2017, 63, 41-47.	0.4	1
14	Lattice points in orthotopes and a huge polynomial Tutte invariant of weighted gain graphs. Journal of Combinatorial Theory Series B, 2016, 118, 186-227.	0.6	5
15	Consistency in the Naturally Vertex-Signed Line Graph of a Signed Graph. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 307-314.	0.4	8
16	The dynamic of the forest graph operator. Discussiones Mathematicae - Graph Theory, 2016, 36, 899.	0.2	0
17	A $\$q\$ q$ -Queens Problem. II. The square board. Journal of Algebraic Combinatorics, 2015, 41, 619-642.	0.4	6
18	Characterization of line-consistent signed graphs. Discussiones Mathematicae - Graph Theory, 2015, 35, 589.	0.2	2

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19	A $q$ -Queens Problem. I. General Theory. <i>Electronic Journal of Combinatorics</i> , 2014, 21, .	0.2	3
20	Six signed Petersen graphs, and their automorphisms. <i>Discrete Mathematics</i> , 2012, 312, 1558-1583.	0.4	3
21	Associativity in multiary quasigroups: the way of biased expansions. <i>Aequationes Mathematicae</i> , 2012, 83, 1-66.	0.4	5
22	On products and line graphs of signed graphs, their eigenvalues and energy. <i>Linear Algebra and Its Applications</i> , 2011, 435, 2432-2450.	0.4	63
23	Determinants in the Kronecker product of matrices: the incidence matrix of a complete graph. <i>Linear and Multilinear Algebra</i> , 2011, 59, 399-411.	0.5	0
24	Nonattacking Queens in a Rectangular Strip. <i>Annals of Combinatorics</i> , 2010, 14, 419-441.	0.3	0
25	Totally frustrated states in the chromatic theory of gain graphs. <i>European Journal of Combinatorics</i> , 2009, 30, 133-156.	0.5	4
26	On the division of space by topological hyperplanes. <i>European Journal of Combinatorics</i> , 2009, 30, 1835-1845.	0.5	3
27	Biased graphs. VII. Contrabalance and antivoltages. <i>Journal of Combinatorial Theory Series B</i> , 2007, 97, 1019-1040.	0.6	4
28	Lattice point counts for the Shi arrangement and other affinographic hyperplane arrangements. <i>Journal of Combinatorial Theory - Series A</i> , 2007, 114, 97-109.	0.5	7
29	Quasigroup associativity and biased expansion graphs. <i>Electronic Research Announcements in Mathematical Sciences</i> , 2006, 12, 13-18.	0.7	0
30	Inside-out polytopes. <i>Advances in Mathematics</i> , 2006, 205, 134-162.	0.5	42
31	The number of nowhere-zero flows on graphs and signed graphs. <i>Journal of Combinatorial Theory Series B</i> , 2006, 96, 901-918.	0.6	24
32	An Enumerative Geometry for Magic and Magilatin Labellings. <i>Annals of Combinatorics</i> , 2006, 10, 395-413.	0.3	20
33	A simple algorithm that proves half-integrality of bidirected network programming. <i>Networks</i> , 2006, 48, 36-38.	1.6	8
34	Cycle and circle tests of balance in gain graphs: Forbidden minors and their groups. <i>Journal of Graph Theory</i> , 2006, 51, 1-21.	0.5	2
35	A Unifying Generalization of Sperner's Theorem. <i>Bolyai Society Mathematical Studies</i> , 2006, , 9-24.	0.3	3
36	Criteria for Balance in Abelian Gain Graphs, with Applications to Piecewise-Linear Geometry. <i>Discrete and Computational Geometry</i> , 2005, 34, 251-268.	0.4	7

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Geometriae Dedicata, 2003, 98, 63-80.	0.1	1
38	Biased graphs IV: Geometrical realizations. Journal of Combinatorial Theory Series B, 2003, 89, 231-297.	0.6	31
39	A Meshalkin theorem for projective geometries. Journal of Combinatorial Theory - Series A, 2003, 102, 433-441.	0.5	2
40	A Shorter, Simpler, Stronger Proof of the Meshalkin-Hochberg-Hirsch Bounds on Componentwise Antichains. Journal of Combinatorial Theory - Series A, 2002, 100, 196-199.	0.5	5
41	Perpendicular Dissections of Space. Discrete and Computational Geometry, 2002, 27, 303-351.	0.4	11
42	Supersolvable Frame-matroid and Graphic-lift Lattices. European Journal of Combinatorics, 2001, 22, 119-133.	0.5	11
43	The largest demigenus of a bipartite signed graph. Discrete Mathematics, 2001, 232, 189-193.	0.4	2
44	Avoiding the Identity: 10606. American Mathematical Monthly, 1999, 106, 590.	0.2	1
45	Signed analogs of bipartite graphs. Discrete Mathematics, 1998, 179, 205-216.	0.4	19
46	The Largest Parity Demigenus of a Simple Graph. Journal of Combinatorial Theory Series B, 1997, 70, 325-345.	0.6	4
47	The Order Upper Bound on Parity Embedding of a Graph. Journal of Combinatorial Theory Series B, 1996, 68, 149-160.	0.6	5
48	The Signed Chromatic Number of the Projective Plane and Klein Bottle and Antipodal Graph Coloring. Journal of Combinatorial Theory Series B, 1995, 63, 136-145.	0.6	2
49	Biased Graphs .III. Chromatic and Dichromatic Invariants. Journal of Combinatorial Theory Series B, 1995, 64, 17-88.	0.6	19
50	Maximality of the cycle code of a graph. Discrete Mathematics, 1994, 128, 401-405.	0.4	7
51	Frame Matroids and Biased Graphs. European Journal of Combinatorics, 1994, 15, 303-307.	0.5	23
52	A Coding Approach to Signed Graphs. SIAM Journal on Discrete Mathematics, 1994, 7, 544-553.	0.4	15
53	The projective-planar signed graphs. Discrete Mathematics, 1993, 113, 223-247.	0.4	10
54	The covering radius of the cycle code of a graph. Discrete Applied Mathematics, 1993, 45, 63-70.	0.5	16

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55	Strong Tutte functions of matroids and graphs. Transactions of the American Mathematical Society, 1992, 334, 317-347.	0.5	31
56	Orientation embedding of signed graphs. Journal of Graph Theory, 1992, 16, 399-422.	0.5	13
57	Orientation of Signed Graphs. European Journal of Combinatorics, 1991, 12, 361-375.	0.5	73
58	Biased graphs. II. The three matroids. Journal of Combinatorial Theory Series B, 1991, 51, 46-72.	0.6	90
59	Biased graphs whose matroids are special binary matroids. Graphs and Combinatorics, 1990, 6, 77-93.	0.2	16
60	Biased graphs. I. Bias, balance, and gains. Journal of Combinatorial Theory Series B, 1989, 47, 32-52.	0.6	143
61	Matroids determine the embeddability of graphs in surfaces. Proceedings of the American Mathematical Society, 1989, 106, 1131-1131.	0.4	0
62	Vertices of localized imbalance in a biased graph. Proceedings of the American Mathematical Society, 1987, 101, 199-204.	0.4	14
63	Balanced decompositions of a signed graph. Journal of Combinatorial Theory Series B, 1987, 43, 1-13.	0.6	14
64	The biased graphs whose matroids are binary. Journal of Combinatorial Theory Series B, 1987, 42, 337-347.	0.6	7
65	The Tutte decomposition. , 1986, , 267-331.		0
66	Asymptotic expansions of ratios of coefficients of orthogonal polynomials with exponential weights. Transactions of the American Mathematical Society, 1985, 287, 495-495.	0.5	15
67	Asymptotic Expansions of Ratios of Coefficients of Orthogonal Polynomials with Exponential Weights. Transactions of the American Mathematical Society, 1985, 287, 495.	0.5	38
68	EXTREMAL ARRANGEMENTS OF HYPERPLANES. Annals of the New York Academy of Sciences, 1985, 440, 69-87.	1.8	3
69	How colorful the signed graph?. Discrete Mathematics, 1984, 52, 279-284.	0.4	14
70	Averaging sets: A generalization of mean values and spherical designs. Advances in Mathematics, 1984, 52, 213-240.	0.5	174
71	The slimmest arrangements of hyperplanes. Geometriae Dedicata, 1983, 14, 243.	0.1	5
72	Signed graphs. Discrete Applied Mathematics, 1983, 5, 248.	0.5	55

#	ARTICLE	IF	CITATIONS
73	Uniform Distribution of a Subgraph in a Graph. North-Holland Mathematics Studies, 1983, 75, 657-664.	0.2	0
74	On the interpretation of Whitney numbers through arrangements of hyperplanes, zonotopes, non-Radon partitions, and orientations of graphs. Transactions of the American Mathematical Society, 1983, 280, 97-126.	0.5	144
75	BICIRCULAR GEOMETRY AND THE LATTICE OF FORESTS OF A GRAPH. Quarterly Journal of Mathematics, 1982, 33, 493-511.	0.3	15
76	Signed graph coloring. Discrete Mathematics, 1982, 39, 215-228.	0.4	114
77	Chromatic invariants of signed graphs. Discrete Mathematics, 1982, 42, 287-312.	0.4	31
78	Signed graphs. Discrete Applied Mathematics, 1982, 4, 47-74.	0.5	431
79	The number of cladistic characters. Mathematical Biosciences, 1981, 54, 3-10.	0.9	35
80	The Geometry of Root Systems and Signed Graphs. American Mathematical Monthly, 1981, 88, 88.	0.2	26
81	Correction to "Complementary Matching Vectors and the Uniform Matching Extension Property". European Journal of Combinatorics, 1981, 2, 305.	0.5	1
82	Complementary Matching Vectors and the Uniform Matching Extension Property. European Journal of Combinatorics, 1981, 2, 91-103.	0.5	10
83	The Geometry of Root Systems and Signed Graphs. American Mathematical Monthly, 1981, 88, 88-105.	0.2	51
84	The slimmest arrangements of hyperplanes: II. Basepointed geometric lattices and Euclidean arrangements. Mathematika, 1981, 28, 169-190.	0.3	11
85	Characterizations of signed graphs. Journal of Graph Theory, 1981, 5, 401-406.	0.5	65
86	A combinatorial analysis of topological dissections. Advances in Mathematics, 1977, 25, 267-285.	0.5	44
87	Maximal dissections of a simplex. Journal of Combinatorial Theory - Series A, 1976, 20, 244-257.	0.5	9
88	Counting the faces of cut-up spaces. Bulletin of the American Mathematical Society, 1975, 81, 916-918.	3.0	14
89	Facing up to arrangements: face-count formulas for partitions of space by hyperplanes. Memoirs of the American Mathematical Society, 1975, 1, 0-0.	0.5	239