Bill Jackson

List of Publications by Year
in descending order

41 papers	1,024 citations	516710 16 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	396 citing authors

#	Article	IF	Citations
1	Global Rigidity of 2D Linearly Constrained Frameworks. International Mathematics Research Notices, 2021, 2021, 16811-16858.	1.0	3
2	Global rigidity of direction-length frameworks. Journal of Combinatorial Theory Series B, 2020, 145, 145-168.	1.0	3
3	Global rigidity of generic frameworks on the cylinder. Journal of Combinatorial Theory Series B, 2019, 139, 193-229.	1.0	9
4	Radically solvable graphs. Journal of Combinatorial Theory Series B, 2019, 136, 135-153.	1.0	1
5	Equivalent realisations of a rigid graph. Discrete Applied Mathematics, 2019, 256, 42-58.	0.9	9
6	A characterisation of the generic rigidity of 2-dimensional point–line frameworks. Journal of Combinatorial Theory Series B, 2016, 119, 96-121.	1.0	9
7	Unique low rank completability of partially filled matrices. Journal of Combinatorial Theory Series B, 2016, 121, 432-462.	1.0	3
8	Stress Matrices and Global Rigidity of Frameworks on Surfaces. Discrete and Computational Geometry, 2015, 54, 586-609.	0.6	14
9	Henneberg moves on mechanisms. Beitrage Zur Algebra Und Geometrie, 2015, 56, 587-591.	0.5	3
10	Combinatorial Conditions for the Unique Completability of Low-Rank Matrices. SIAM Journal on Discrete Mathematics, 2014, 28, 1797-1819.	0.8	6
11	Globally Linked Pairs of Vertices in Rigid Frameworks. Fields Institute Communications, 2014, , 177-203.	1.3	4
12	Complex zero-free regions at large $\|q\|$ for multivariate Tutte polynomials (alias Potts-model partition functions) with general complex edge weights. Journal of Combinatorial Theory Series B, 2013, 103, 21-45.	1.0	12
13	A Zero-Free Interval for Chromatic Polynomials of Nearly 3-Connected Plane Graphs. SIAM Journal on Discrete Mathematics, 2011, 25, 1103-1118.	0.8	6
14	Bounded Direction–Length Frameworks. Discrete and Computational Geometry, 2011, 46, 48-71.	0.6	5
15	Necessary Conditions for the Global Rigidity ofÂDirection–Length Frameworks. Discrete and Computational Geometry, 2011, 46, 72-85.	0.6	12
16	Boundedness, rigidity and global rigidity of direction–length frameworks. Journal of Geometry, 2011, 101, 131-135.	0.4	1
17	Circumference of 3-connected claw-free graphs and large Eulerian subgraphs of 3-edge-connected graphs. Journal of Combinatorial Theory Series B, 2011, 101, 214-236.	1.0	15
18	Globally rigid circuits of the direction–length rigidity matroid. Journal of Combinatorial Theory Series B, 2010, 100, 1-22.	1.0	21

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19	Local edge-connectivity augmentation in hypergraphs is NP-complete. Discrete Applied Mathematics, 2010, 158, 723-727.	0.9	8
20	OPERATIONS PRESERVING GLOBAL RIGIDITY OF GENERIC DIRECTION-LENGTH FRAMEWORKS. International Journal of Computational Geometry and Applications, 2010, 20, 685-706.	0.5	9
21	Maxmaxflow and Counting Subgraphs. Electronic Journal of Combinatorics, 2010, 17, .	0.4	3
22	A sufficient connectivity condition for generic rigidity in the plane. Discrete Applied Mathematics, 2009, 157, 1965-1968.	0.9	20
23	Zero-free regions for multivariate Tutte polynomials (alias Potts-model partition functions) of graphs and matroids. Journal of Combinatorial Theory Series B, 2009, 99, 869-903.	1.0	22
24	The 2-dimensional rigidity of certain families of graphs. Journal of Graph Theory, 2007, 54, 154-166.	0.9	17
25	A zero-free interval for flow polynomials of cubic graphs. Journal of Combinatorial Theory Series B, 2007, 97, 127-143.	1.0	5
26	Globally Linked Pairs of Vertices in Equivalent Realizations of Graphs. Discrete and Computational Geometry, 2006, 35, 493-512.	0.6	39
27	Connected rigidity matroids and unique realizations of graphs. Journal of Combinatorial Theory Series B, 2005, 94, 1-29.	1.0	273
28	Independence free graphs and vertex connectivity augmentation. Journal of Combinatorial Theory Series B, 2005, 94, 31-77.	1.0	46
29	Non-separable detachments of graphs. Journal of Combinatorial Theory Series B, 2003, 87, 17-37.	1.0	5
30	Connectivity Augmentation of Graphs. Electronic Notes in Discrete Mathematics, 2000, 5, 185-188.	0.4	1
31	Augmenting hypergraphs by edges of size two. Mathematical Programming, 1999, 84, 467-481.	2.4	21
32	Cycles through vertices of large maximum degree. Journal of Graph Theory, 1995, 19, 157-168.	0.9	2
33	Preserving and Increasing Local Edge-Connectivity in Mixed Graphs. SIAM Journal on Discrete Mathematics, 1995, 8, 155-178.	0.8	50
34	A Zero-Free Interval for Chromatic Polynomials of Graphs. Combinatorics Probability and Computing, 1993, 2, 325-336.	1.3	77
35	Longest cycles in 3-connected planar graphs. Journal of Combinatorial Theory Series B, 1992, 54, 291-321.	1.0	20
36	Dominating cycles in regular 3-connected graphs. Discrete Mathematics, 1992, 102, 163-176.	0.7	17

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37	Shortest Circuit Covers and Postman Tours in Graphs with a Nowhere Zero 4. SIAM Journal on Computing, 1990, 19, 659-665.	1.0	20
38	Some remarks on Arc-connectivity, vertex splitting, and orientation in graphs and digraphs. Journal of Graph Theory, 1988, 12, 429-436.	0.9	40
39	Longest cycles in 3-connected cubic graphs. Journal of Combinatorial Theory Series B, 1986, 41, 17-26.	1.0	24
40	Shortest coverings of graphs with cycles. Journal of Combinatorial Theory Series B, 1983, 35, 297-308.	1.0	84
41	Hamilton cycles in regular 2-connected graphs. Journal of Combinatorial Theory Series B, 1980, 29, 27-46.	1.0	85