

Bill Jackson

List of Publications by Year in descending order

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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	Connected rigidity matroids and unique realizations of graphs. <i>Journal of Combinatorial Theory Series B</i> , 2005, 94, 1-29.	1.0	273
2	Hamilton cycles in regular 2-connected graphs. <i>Journal of Combinatorial Theory Series B</i> , 1980, 29, 27-46.	1.0	85
3	Shortest coverings of graphs with cycles. <i>Journal of Combinatorial Theory Series B</i> , 1983, 35, 297-308.	1.0	84
4	A Zero-Free Interval for Chromatic Polynomials of Graphs. <i>Combinatorics Probability and Computing</i> , 1993, 2, 325-336.	1.3	77
5	Preserving and Increasing Local Edge-Connectivity in Mixed Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 1995, 8, 155-178.	0.8	50
6	Independence free graphs and vertex connectivity augmentation. <i>Journal of Combinatorial Theory Series B</i> , 2005, 94, 31-77.	1.0	46
7	Some remarks on Arc-connectivity, vertex splitting, and orientation in graphs and digraphs. <i>Journal of Graph Theory</i> , 1988, 12, 429-436.	0.9	40
8	Globally Linked Pairs of Vertices in Equivalent Realizations of Graphs. <i>Discrete and Computational Geometry</i> , 2006, 35, 493-512.	0.6	39
9	Longest cycles in 3-connected cubic graphs. <i>Journal of Combinatorial Theory Series B</i> , 1986, 41, 17-26.	1.0	24
10	Zero-free regions for multivariate Tutte polynomials (alias Potts-model partition functions) of graphs and matroids. <i>Journal of Combinatorial Theory Series B</i> , 2009, 99, 869-903.	1.0	22
11	Augmenting hypergraphs by edges of size two. <i>Mathematical Programming</i> , 1999, 84, 467-481.	2.4	21
12	Globally rigid circuits of the direction-length rigidity matroid. <i>Journal of Combinatorial Theory Series B</i> , 2010, 100, 1-22.	1.0	21
13	Shortest Circuit Covers and Postman Tours in Graphs with a Nowhere Zero 4. <i>SIAM Journal on Computing</i> , 1990, 19, 659-665.	1.0	20
14	Longest cycles in 3-connected planar graphs. <i>Journal of Combinatorial Theory Series B</i> , 1992, 54, 291-321.	1.0	20
15	A sufficient connectivity condition for generic rigidity in the plane. <i>Discrete Applied Mathematics</i> , 2009, 157, 1965-1968.	0.9	20
16	Dominating cycles in regular 3-connected graphs. <i>Discrete Mathematics</i> , 1992, 102, 163-176.	0.7	17
17	The 2-dimensional rigidity of certain families of graphs. <i>Journal of Graph Theory</i> , 2007, 54, 154-166.	0.9	17
18	Circumference of 3-connected claw-free graphs and large Eulerian subgraphs of 3-edge-connected graphs. <i>Journal of Combinatorial Theory Series B</i> , 2011, 101, 214-236.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Stress Matrices and Global Rigidity of Frameworks on Surfaces. <i>Discrete and Computational Geometry</i> , 2015, 54, 586-609.	0.6	14
20	Necessary Conditions for the Global Rigidity of Direction-Length Frameworks. <i>Discrete and Computational Geometry</i> , 2011, 46, 72-85.	0.6	12
21	Complex zero-free regions at large q for multivariate Tutte polynomials (alias Potts-model partition functions) with general complex edge weights. <i>Journal of Combinatorial Theory Series B</i> , 2013, 103, 21-45.	1.0	12
22	OPERATIONS PRESERVING GLOBAL RIGIDITY OF GENERIC DIRECTION-LENGTH FRAMEWORKS. <i>International Journal of Computational Geometry and Applications</i> , 2010, 20, 685-706.	0.5	9
23	A characterisation of the generic rigidity of 2-dimensional point-line frameworks. <i>Journal of Combinatorial Theory Series B</i> , 2016, 119, 96-121.	1.0	9
24	Global rigidity of generic frameworks on the cylinder. <i>Journal of Combinatorial Theory Series B</i> , 2019, 139, 193-229.	1.0	9
25	Equivalent realisations of a rigid graph. <i>Discrete Applied Mathematics</i> , 2019, 256, 42-58.	0.9	9
26	Local edge-connectivity augmentation in hypergraphs is NP-complete. <i>Discrete Applied Mathematics</i> , 2010, 158, 723-727.	0.9	8
27	A Zero-Free Interval for Chromatic Polynomials of Nearly 3-Connected Plane Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2011, 25, 1103-1118.	0.8	6
28	Combinatorial Conditions for the Unique Completability of Low-Rank Matrices. <i>SIAM Journal on Discrete Mathematics</i> , 2014, 28, 1797-1819.	0.8	6
29	Non-separable detachments of graphs. <i>Journal of Combinatorial Theory Series B</i> , 2003, 87, 17-37.	1.0	5
30	A zero-free interval for flow polynomials of cubic graphs. <i>Journal of Combinatorial Theory Series B</i> , 2007, 97, 127-143.	1.0	5
31	Bounded Direction-Length Frameworks. <i>Discrete and Computational Geometry</i> , 2011, 46, 48-71.	0.6	5
32	Globally Linked Pairs of Vertices in Rigid Frameworks. <i>Fields Institute Communications</i> , 2014, , 177-203.	1.3	4
33	Henneberg moves on mechanisms. <i>Beitrage Zur Algebra Und Geometrie</i> , 2015, 56, 587-591.	0.5	3
34	Unique low rank completability of partially filled matrices. <i>Journal of Combinatorial Theory Series B</i> , 2016, 121, 432-462.	1.0	3
35	Global rigidity of direction-length frameworks. <i>Journal of Combinatorial Theory Series B</i> , 2020, 145, 145-168.	1.0	3
36	Global Rigidity of 2D Linearly Constrained Frameworks. <i>International Mathematics Research Notices</i> , 2021, 2021, 16811-16858.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Maxmaxflow and Counting Subgraphs. <i>Electronic Journal of Combinatorics</i> , 2010, 17, .	0.4	3
38	Cycles through vertices of large maximum degree. <i>Journal of Graph Theory</i> , 1995, 19, 157-168.	0.9	2
39	Connectivity Augmentation of Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2000, 5, 185-188.	0.4	1
40	Boundedness, rigidity and global rigidity of directionâ€“length frameworks. <i>Journal of Geometry</i> , 2011, 101, 131-135.	0.4	1
41	Radically solvable graphs. <i>Journal of Combinatorial Theory Series B</i> , 2019, 136, 135-153.	1.0	1