Gexin Yu

List of Publications by Year
in descending order

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78	784	567144 15	642610 23
papers	citations	h-index	g-index

78	78	78	258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Note on injective edge-coloring of graphs. Discrete Applied Mathematics, 2022, 310, 65-74.	0.5	10
2	Partition graphs of independence number 2 into two subgraphs with large chromatic numbers. Discrete Mathematics, 2022, 345, 112781.	0.4	0
3	Enhancing the ErdÅ‘sâ€Lovã¡sz Tihany Conjecture for line graphs of multigraphs. Journal of Graph Theory, 2022, 101, 134-141.	0.5	1
4	A sufficient condition for a planar graph to be <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e20" altimg="si12.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (mathvariant="script">F<	0.5	0
5	Discrete Applied Mathematics, 2022, 318, 61-68. An improved linear connectivity bound for tournaments to be highly linked. European Journal of Combinatorics, 2021, 98, 103390.	0.5	2
6	Planar graphs without 4-cycles and intersecting triangles are (1,1,0)-colorable. Discrete Applied Mathematics, 2021, 304, 236-247.	0.5	0
7	Connectivity for Kite-Linked Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 431-446.	0.4	2
8	Sufficient Conditions for 2-Dimensional Global Rigidity. SIAM Journal on Discrete Mathematics, 2021, 35, 2520-2534.	0.4	0
9	Every planar graph without 5-cycles and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e31" altimg="si4.svg"><mml:msubsup><mml:mrow><mml:mi>K</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow><mml:mrow> and adjacent 4-cycles is <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e44"		

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19	Minimum degree condition for a graph to be knitted. Discrete Mathematics, 2019, 342, 3225-3228.	0.4	1
20	Planar graphs without cycles of lengths 4 and 5 and close triangles are DP-3-colorable. Discrete Mathematics, 2019, 342, 2333-2341.	0.4	9
21	DP-3-Coloring of Planar Graphs Without 4,Â9-Cycles and Cycles of Two Lengths from $${6,7,8}$$ { 6 , 7 , 8 }. Graphs and Combinatorics, 2019, 35, 695-705.	0.2	15
22	Recent progress on strong edge-coloring of graphs. Discrete Mathematics, Algorithms and Applications, 2019, 11, 1950062.	0.4	6
23	Strong edge-coloring for planar graphs with large girth. Discrete Mathematics, 2019, 342, 339-343.	0.4	2
24	Every planar graph without 4-cycles adjacent to two triangles is DP-4-colorable. Discrete Mathematics, 2019, 342, 623-627.	0.4	15
25	DP-3-coloring of some planar graphs. Discrete Mathematics, 2019, 342, 178-189.	0.4	23
26	Open locating-dominating sets in circulant graphs. Discussiones Mathematicae - Graph Theory, 2019, 42, 47.	0.2	2
27	On strong edge-coloring of graphs with maximum degree 4. Discrete Applied Mathematics, 2018, 235, 142-153.	0.5	8
28	A relaxation of the strong Bordeaux Conjecture. Journal of Graph Theory, 2018, 88, 237-254.	0.5	6
29	Covering 2â€connected 3â€regular graphs with disjoint paths. Journal of Graph Theory, 2018, 88, 385-401.	0.5	7
30	Strong list-chromatic index of subcubic graphs. Discrete Mathematics, 2018, 341, 3434-3440.	0.4	7
31	An integer linear program for mixed-weight open locating-dominating sets. , 2018, , .		0
32	Planar graphs without 4-cycles and close triangles are (2,Â0,Â0)-colorable. Journal of Combinatorial Optimization, 2018, 36, 346-364.	0.8	1
33	Strong Chromatic Index of Graphs With Maximum Degree Four. Electronic Journal of Combinatorics, 2018, 25, .	0.2	22
34	Every planar graph without 3-cycles adjacent to 4-cycles and without 6-cycles is (1,Â1,Â0)-colorable. Journal of Combinatorial Optimization, 2017, 33, 1354-1364.	0.8	0
35	Mixed-weight open locating-dominating sets. , 2017, , .		4
36	Maximum average degree and relaxed coloring. Discrete Mathematics, 2017, 340, 2528-2530.	0.4	6

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37	The strong chromatic index of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:mrow><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mo>,</mml:mo><mml:mi>ì”</mml:mi><mml:mo> graphs. Discrete Mathematics, 2017, 340, 1143-1149.	0.4	12
38	A tight upper bound on the number of cyclically adjacent transpositions to sort a permutation. Information Processing Letters, 2016, 116, 718-722.	0.4	1
39	Planar graphs without 5-cycles and intersecting triangles are <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>,</mml:mo><mml:mn>1</mml:mn><mml:mo> Discrete Mathematics, 2016, 339, 992-1003.	0.4	10
40	Strong chromatic index of subcubic planar multigraphs. European Journal of Combinatorics, 2016, 51, 380-397.	0.5	20
41	A relaxation of the Bordeaux Conjecture. European Journal of Combinatorics, 2015, 49, 240-249.	0.5	11
42	Strong edge-colorings for $$k$$ k -degenerate graphs. Graphs and Combinatorics, 2015, 31, 1815-1818.	0.2	8
43	Optimal open-locating-dominating sets in infinite triangular grids. Discrete Applied Mathematics, 2015, 193, 139-144.	0.5	10
44	Channel-Hopping-Based Communication Rendezvous in Cognitive Radio Networks. IEEE/ACM Transactions on Networking, 2014, 22, 889-902.	2.6	39
45	Linear colorings of subcubic graphs. European Journal of Combinatorics, 2013, 34, 1040-1050.	0.5	5
46	Planar graphs without cycles of length 4 or 5 are<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mo>,</mml:mo><mml:mn>0</mml:mn><mml:mo> Discrete Mathematics, 2013, 313, 2312-2317.	0.4	22
47	New bounds on the minimum density of an identifying code for the infinite hexagonal grid. Discrete Applied Mathematics, 2013, 161, 2910-2924.	0.5	8
48	Connectivities for k -knitted graphs and for minimal counterexamples to HadwigerÊ¼s Conjecture. Journal of Combinatorial Theory Series B, 2013, 103, 320-326.	0.6	5
49	A Relaxation of Steinberg's Conjecture. SIAM Journal on Discrete Mathematics, 2013, 27, 584-596.	0.4	16
50	Graphs Containing Every 2-Factor. Graphs and Combinatorics, 2012, 28, 687-716.	0.2	7
51	Equitable defective coloring of sparse planar graphs. Discrete Mathematics, 2012, 312, 957-962.	0.4	4
52	An extremal problem on group connectivity of graphs. European Journal of Combinatorics, 2012, 33, 1078-1085.	0.5	12
53	Linkage for the diamond and the path with four vertices. Journal of Graph Theory, 2012, 70, 241-261.	0.5	7
54	Injective Colorings of Graphs with Low Average Degree. Algorithmica, 2011, 60, 553-568.	1.0	27

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55	Linear choosability of sparse graphs. Discrete Mathematics, 2011, 311, 1910-1917.	0.4	9
56	Permutations as Product of Parallel Transpositions. SIAM Journal on Discrete Mathematics, 2011, 25, 1412-1417.	0.4	4
57	Injective colorings of sparse graphs. Discrete Mathematics, 2010, 310, 2965-2973.	0.4	28
58	Equitable Coloring of Sparse Planar Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 1572-1583.	0.4	4
59	Mâ€degrees of quadrangleâ€free planar graphs. Journal of Graph Theory, 2009, 60, 80-85.	0.5	9
60	Implications among linkage properties in graphs. Journal of Graph Theory, 2009, 60, 327-337.	0.5	4
61	Hamiltonian connectedness in 3-connected line graphs. Discrete Applied Mathematics, 2009, 157, 982-990.	0.5	22
62	Ore-type conditions implying 2-factors consisting of short cycles. Discrete Mathematics, 2009, 309, 4762-4771.	0.4	3
63	On the Pagenumber of k-Trees. SIAM Journal on Discrete Mathematics, 2009, 23, 1455-1464.	0.4	8
64	A New Lower Bound on the Density of Vertex Identifying Codes for the Infinite Hexagonal Grid. Electronic Journal of Combinatorics, 2009, 16, .	0.2	13
65	On a graph packing conjecture by BollobÃ¡s, Eldridge and Catlin. Combinatorica, 2008, 28, 469-485.	0.6	12
66	Ore-type degree conditions for a graph to beH-linked. Journal of Graph Theory, 2008, 58, 14-26.	0.5	9
67	Packing of graphs with small product of sizes. Journal of Combinatorial Theory Series B, 2008, 98, 1411-1415.	0.6	1
68	Minimum degree conditions for <mml:math altimg="si1.gif" 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:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.5	13
69	Decomposing a planar graph with girth 9 into a forest and a matching. European Journal of Combinatorics, 2008, 29, 1235-1241.	0.5	19
70	Ore-condition and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Z</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:m European Journal of Combinatorics, 2008, 29, 1587-1595.	0.5	40
71	On the First-Fit Chromatic Number of Graphs. SIAM Journal on Discrete Mathematics, 2008, 22, 887-900.	0.4	11
72	On extremal matrices of second largest exponent by Boolean rank. Linear Algebra and Its Applications, 2007, 422, 186-197.	0.4	2

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73	An Ore-type analogue of the Sauer-Spencer Theorem. Graphs and Combinatorics, 2007, 23, 419-424.	0.2	5
74	An inequality for the group chromatic number of a graph. Discrete Mathematics, 2007, 307, 3076-3080.	0.4	5
75	On Minimum Degree Implying That a Graph is Hâ€Linked. SIAM Journal on Discrete Mathematics, 2006, 20, 829-840.	0.4	20
76	Nowhere-zero <mml:math altimg="si1.gif" 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:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.4	37
77	On Sufficient Degree Conditions for a Graph to be k-linked. Combinatorics Probability and Computing, 2006, 15, 685.	0.8	39
78	An extremal problem forH-linked graphs. Journal of Graph Theory, 2005, 50, 321-339.	0.5	24