Xuding Zhu

List of Publications by Year in descending order

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153	2,453	236925	254184
papers	citations	25 h-index	43 g-index

156	156	156	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circular chromatic number. Discrete Mathematics, 2001, 229, 371-410.	0.7	250
2	The Game Coloring Number of Planar Graphs. Journal of Combinatorial Theory Series B, 1999, 75, 245-258.	1.0	112
3	Star chromatic numbers and products of graphs. Journal of Graph Theory, 1992, 16, 557-569.	0.9	92
4	A bound for the game chromatic number of graphs. Discrete Mathematics, 1999, 196, 109-115.	0.7	78
5	Game chromatic number of outerplanar graphs. Journal of Graph Theory, 1999, 30, 67-70.	0.9	75
6	Refined activation strategy for the marking game. Journal of Combinatorial Theory Series B, 2008, 98, 1-18.	1.0	71
7	The game coloring number of pseudo partial k-trees. Discrete Mathematics, 2000, 215, 245-262.	0.7	65
8	The Map-Coloring Game. American Mathematical Monthly, 2007, 114, 793-803.	0.3	61
9	On-Line List Colouring of Graphs. Electronic Journal of Combinatorics, 2009, 16, .	0.4	52
10	A SURVEY ON HEDETNIEMI'S CONJECTURE. Taiwanese Journal of Mathematics, 1998, 2, 1.	0.4	49
11	Total weight choosability of graphs. Journal of Graph Theory, 2011, 66, 198-212.	0.9	48
12	Antimagic Labeling of Regular Graphs. Journal of Graph Theory, 2016, 82, 339-349.	0.9	48
13	Edge-partitions of planar graphs and their game coloring numbers. Journal of Graph Theory, 2002, 41, 307-317.	0.9	45
14	Recent Developments in Circular Colouring of Graphs. , 2006, , 497-550.		44
15	UniquelyH-colorable graphs with large girth. Journal of Graph Theory, 1996, 23, 33-41.	0.9	41
16	Star-extremal graphs and the lexicographic product. Discrete Mathematics, 1996, 152, 147-156.	0.7	41
17	Distinguishing labellings of group action on vector spaces and graphs. Journal of Algebra, 2006, 303, 626-641.	0.7	40
18	Game chromatic index ofk-degenerate graphs. Journal of Graph Theory, 2001, 36, 144-155.	0.9	39

#	Article	IF	Citations
19	Regular Graphs of Odd Degree Are Antimagic. Journal of Graph Theory, 2015, 80, 28-33.	0.9	37
20	Anti-magic labeling of trees. Discrete Mathematics, 2014, 331, 9-14.	0.7	36
21	Circular flow on signed graphs. Journal of Combinatorial Theory Series B, 2011, 101, 464-479.	1.0	31
22	The fractional version of Hedetniemiâ€™s conjecture is true. European Journal of Combinatorics, 2011, 32, 1168-1175.	0.8	30
23	Lower bounds for the game colouring number of partial k-trees and planar graphs. Discrete Mathematics, 2008, 308, 2637-2642.	0.7	29
24	Game coloring the Cartesian product of graphs. Journal of Graph Theory, 2008, 59, 261-278.	0.9	28
25	Planar Graphs with Circular Chromatic Numbers between 3 and 4. Journal of Combinatorial Theory Series B, 1999, 76, 170-200.	1.0	27
26	Decomposing a graph into forests. Journal of Combinatorial Theory Series B, 2012, 102, 38-52.	1.0	27
27	Every graph is (2,3)-choosable. Combinatorica, 2016, 36, 121-127.	1.2	26
28	Antimagic labelling of vertex weighted graphs. Journal of Graph Theory, 2012, 70, 348-350.	0.9	25
29	The circular chromatic number of series-parallel graphs. Journal of Graph Theory, 2000, 33, 14-24.	0.9	24
30	Circular perfect graphs. Journal of Graph Theory, 2005, 48, 186-209.	0.9	24
31	Entire colouring of plane graphs. Journal of Combinatorial Theory Series B, 2011, 101, 490-501.	1.0	24
32	Antimagic Labeling of Cubic Graphs. Journal of Graph Theory, 2014, 75, 31-36.	0.9	24
33	Nonrepetitive list colourings of paths. Random Structures and Algorithms, 2011, 38, 162-173.	1.1	23
34	Circular chromatic number of distance graphs with distance sets of cardinality 3. Journal of Graph Theory, 2002, 41, 195-207.	0.9	22
35	Circular chromatic number and Mycielski construction. Journal of Graph Theory, 2003, 44, 106-115.	0.9	21
36	Circular chromatic number of Kneser graphs. Journal of Combinatorial Theory Series B, 2003, 88, 299-303.	1.0	21

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37	Fractional chromatic number and circular chromatic number for distance graphs with large clique size. Journal of Graph Theory, 2004, 47, 129-146.	0.9	20
38	Improper coloring of sparse graphs with a given girth, I: (0,1)-colorings of triangle-free graphs. European Journal of Combinatorics, 2014, 42, 26-48.	0.8	20
39	DP-colorings of graphs with high chromatic number. European Journal of Combinatorics, 2017, 65, 122-129.	0.8	20
40	The circular chromatic number of series-parallel graphs of large odd girth. Discrete Mathematics, 2002, 245, 235-246.	0.7	19
41	Circular Distance Two Labeling and the $lambda$-Number for Outerplanar Graphs. SIAM Journal on Discrete Mathematics, 2005, 19, 281-293.	0.8	19
42	Distance graphs with missing multiples in the distance sets. Journal of Graph Theory, 1999, 30, 245-259.	0.9	18
43	Thue choosability of trees. Discrete Applied Mathematics, 2011, 159, 2045-2049.	0.9	17
44	Decomposition of Sparse Graphs into Forests and a Graph with Bounded Degree. Journal of Graph Theory, 2013, 74, 369-391.	0.9	17
45	Graphs Whose Circular Chromatic Number Equals the Chromatic Number. Combinatorica, 1999, 19, 139-149.	1.2	16
46	Weighted-1-antimagic graphs of prime power order. Discrete Mathematics, 2012, 312, 2162-2169.	0.7	16
47	Application of polynomial method to on-line list colouring of graphs. European Journal of Combinatorics, 2012, 33, 872-883.	0.8	16
48	Circular colouring and graph homomorphism. Bulletin of the Australian Mathematical Society, 1999, 59, 83-97.	0.5	14
49	Construction of uniquelyH-colorable graphs. Journal of Graph Theory, 1999, 30, 1-6.	0.9	14
50	The fractional chromatic number of the direct product of graphs. Glasgow Mathematical Journal, 2002, 44, 103.	0.3	14
51	The Two-Coloring Number and Degenerate Colorings of Planar Graphs. SIAM Journal on Discrete Mathematics, 2009, 23, 1548-1560.	0.8	14
52	Construction of graphs with given circular flow numbers. Journal of Graph Theory, 2003, 43, 304-318.	0.9	13
53	A refinement of choosability of graphs. Journal of Combinatorial Theory Series B, 2020, 141, 143-164.	1.0	13
54	The Alon-Tarsi number of a planar graph minus a matching. Journal of Combinatorial Theory Series B, 2020, 145, 511-520.	1.0	13

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55	Chromatic Ramsey numbers. Discrete Mathematics, 1998, 190, 215-222.	0.7	12
56	A simple proof of Moser's theorem. Journal of Graph Theory, 1999, 30, 19-26.	0.9	12
57	Construction of Kn-minor free graphs with given circular chromatic number. Discrete Mathematics, 2003, 263, 191-206.	0.7	12
58	Circular choosability of graphs. Journal of Graph Theory, 2005, 48, 210-218.	0.9	12
59	Circular chromatic index of graphs of maximum degree 3. Journal of Graph Theory, 2005, 49, 325-335.	0.9	12
60	Activation strategy for asymmetric marking games. European Journal of Combinatorics, 2008, 29, 1123-1132.	0.8	12
61	Improper Coloring of Sparse Graphs with a Given Girth, II: Constructions. Journal of Graph Theory, 2016, 81, 403-413.	0.9	12
62	The Alonâ€“Tarsi number of planar graphs. Journal of Combinatorial Theory Series B, 2019, 134, 354-358.	1.0	12
63	On-Line List Colouring of Complete Multipartite Graphs. Electronic Journal of Combinatorics, 2012, 19, .	0.4	12
64	The circular chromatic index of graphs of high girth. Journal of Combinatorial Theory Series B, 2007, 97, 1-13.	1.0	11
65	A Hypercube Variant with Small Diameter. Journal of Graph Theory, 2017, 85, 651-660.	0.9	11
66	Decomposition of sparse graphs, with application to game coloring number. Discrete Mathematics, 2010, 310, 1520-1523.	0.7	10
67	The game Grundy number of graphs. Journal of Combinatorial Optimization, 2013, 25, 752-765.	1.3	10
68	Multiple list colouring of planar graphs. Journal of Combinatorial Theory Series B, 2017, 122, 794-799.	1.0	10
69	The Alonâ€“Tarsi number of planar graphs without cycles of lengths 4 and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e108" altimg="si8.svg"><mml:mi>l</mml:mi></mml:math>. Discrete Mathematics, 2020, 343, 111797.	0.7	9
70	Total weight choosability of Cartesian product of graphs. European Journal of Combinatorics, 2012, 33, 1725-1738.	0.8	8
71	Towards an on-line version of Ohbaâ€™s conjecture. European Journal of Combinatorics, 2014, 36, 110-121.	0.8	8
72	Coloring, sparseness and girth. Israel Journal of Mathematics, 2016, 214, 315-331.	0.8	8

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73	Circular chromatic number of subgraphs. Journal of Graph Theory, 2003, 44, 95-105.	0.9	7
74	A short proof for ChenÊ¼s Alternative Kneser Coloring Lemma. Journal of Combinatorial Theory - Series A, 2013, 120, 159-163.	0.8	7
75	The fault-diameter and wide-diameter of twisted hypercubes. Discrete Applied Mathematics, 2018, 235, 154-160.	0.9	7
76	Multiple list colouring triangle free planar graphs. Journal of Combinatorial Theory Series B, 2019, 137, 112-117.	1.0	7
77	List Total Weighting of Graphs. Bolyai Society Mathematical Studies, 2010, , 337-353.	0.3	7
78	An Analogue of Hajï¿½s' Theorem for the Circular Chromatic Number (II). Graphs and Combinatorics, 2003, 19, 419-432.	0.4	6
79	Density of the circular chromatic numbers of series-parallel graphs. Journal of Graph Theory, 2004, 46, 57-68.	0.9	6
80	Circular chromatic index of Cartesian products of graphs. Journal of Graph Theory, 2008, 57, 7-18.	0.9	6
81	Short cycle covers of graphs and nowhere-zero flows. Journal of Graph Theory, 2011, 68, 340-348.	0.9	6
82	A connected version of the graph coloring game. Discrete Applied Mathematics, 2020, 283, 744-750.	0.9	6
83	Relatively small counterexamples to Hedetniemi's conjecture. Journal of Combinatorial Theory Series B, 2021, 146, 141-150.	1.0	6
84	List circular coloring of trees and cycles. Journal of Graph Theory, 2007, 55, 249-265.	0.9	5
85	ON-LINE 3-CHOOSABLE PLANAR GRAPHS. Taiwanese Journal of Mathematics, 2012, 16, .	0.4	5
86	Anti-magic labelling of Cartesian product of graphs. Theoretical Computer Science, 2013, 477, 1-5.	0.9	5
87	Locally planar graphs are 5-paintable. Discrete Mathematics, 2015, 338, 1740-1749.	0.7	5
88	Decomposition of sparse graphs into forests: The Nine Dragon Tree Conjecture for kâ‰¤ 2. Journal of Combinatorial Theory Series B, 2017, 122, 741-756.	1.0	5
89	Graphs are <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e18" altimg="si20.gif"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>,</mml:mo><mml:mi>î”</mml:mi><mml:mo Discrete Mathematics, 2019, 342, 279-284.	0.7	5
90	Fractional DPâ€colorings of sparse graphs. Journal of Graph Theory, 2020, 93, 203-221.	0.9	5

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91	On-line DP-coloring of graphs. Discrete Applied Mathematics, 2020, 285, 443-453.	0.9	5
92	The strong fractional choice number of seriesâ€“parallel graphs. Discrete Mathematics, 2020, 343, 111796.	0.7	5
93	Game Colouring Directed Graphs. Electronic Journal of Combinatorics, 2010, 17, .	0.4	5
94	Decomposing planar graphs into graphs with degree restrictions. Journal of Graph Theory, 2022, 101, 165-181.	0.9	5
95	Circular choosability via combinatorial Nullstellensatz. Journal of Graph Theory, 2008, 59, 190-204.	0.9	4
96	Choosability of toroidal graphs without short cycles. Journal of Graph Theory, 2010, 65, 1-15.	0.9	4
97	Partial Online List Coloring of Graphs. Journal of Graph Theory, 2013, 74, 359-367.	0.9	4
98	Choosability of Graphs with Bounded Order: OhbaÊ¼s Conjecture and Beyond. Electronic Notes in Discrete Mathematics, 2013, 43, 89-95.	0.4	4
99	Circular flow number of highly edge connected signed graphs. Journal of Combinatorial Theory Series B, 2015, 112, 93-103.	1.0	4
100	Strong Chromatic Index of Sparse Graphs. Journal of Graph Theory, 2016, 83, 334-339.	0.9	4
101	Locally planar graphs are 2-defective 4-paintable. European Journal of Combinatorics, 2016, 54, 35-50.	0.8	4
102	Total weight choosability of Mycielski graphs. Journal of Combinatorial Optimization, 2017, 33, 165-182.	1.3	4
103	The wide-diameter of <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:mi>n</mml:mi></mml:mrow></mml:msub><mml:mo>,</mml:mo> Discrete Applied Mathematics, 2017, 219, 193-201.	0.9	4
104	Total Weight Choosability of Trees. SIAM Journal on Discrete Mathematics, 2017, 31, 669-686.	0.8	4
105	Extremal problems on saturation for the family ofk-edge-connected graphs. Discrete Applied Mathematics, 2019, 260, 278-283.	0.9	4
106	Colouring of generalized signed triangle-free planar graphs. Discrete Mathematics, 2019, 342, 836-843.	0.7	4
107	Colouring of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e139" altimg="si44.svg"><mml:mi>S</mml:mi></mml:math>-labelled planar graphs. European Journal of Combinatorics, 2021, 92, 103198.	0.8	4
108	Multiâ€coloring the Mycielskian of graphs. Journal of Graph Theory, 2010, 63, 311-323.	0.9	3

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109	Clawâ€free circularâ€perfect graphs. Journal of Graph Theory, 2010, 65, 163-172.	0.9	3
110	The strong game colouring number of directed graphs. Discrete Mathematics, 2013, 313, 1070-1077.	0.7	3
111	Circular Chromatic Indices of Regular Graphs. Journal of Graph Theory, 2014, 76, 169-193.	0.9	3
112	A combinatorial proof for the circular chromatic number of Kneser graphs. Journal of Combinatorial Optimization, 2016, 32, 765-774.	1.3	3
113	Total Weight Choosability of Cone Graphs. Graphs and Combinatorics, 2016, 32, 1203-1216.	0.4	3
114	On (4, 2)-Choosable Graphs. Journal of Graph Theory, 2017, 85, 412-428.	0.9	3
115	Defective 3-Paintability of Planar Graphs. Electronic Journal of Combinatorics, 2018, 25, .	0.4	3
116	The circular chromatic numbers of signed series-parallel graphs. Discrete Mathematics, 2022, 345, 112733.	0.7	3
117	Sparse H -Colourable Graphs of Bounded Maximum Degree. Graphs and Combinatorics, 2004, 20, 65-71.	0.4	2
118	On the circular chromatic number of circular partitionable graphs. Journal of Graph Theory, 2006, 52, 294-306.	0.9	2
119	Distinguishing labeling of the actions of almost simple groups. Combinatorica, 2011, 31, 489-506.	1.2	2
120	Backbone coloring for graphs with large girths. Discrete Mathematics, 2013, 313, 1799-1804.	0.7	2
121	Total weight choosability of graphs with bounded maximum average degree. Discrete Mathematics, 2017, 340, 2033-2042.	0.7	2
122	Bounded Greedy Nim. Theoretical Computer Science, 2018, 746, 1-5.	0.9	2
123	Graphs with maximum average degree less than <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml2" display="inline" overflow="scroll" altimg="si2.gif"><mml:mfrac><mml:mrow><mml:mn>11</mml:mn></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mfrac></mml:math> are <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml3" display="inline" overflow="scroll" altimg="si3.gif"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>,</mml:mo><mml:mn>3</mml:mn><mml:mo>	0.7	2
124	Extensions of matroid covering and packing. European Journal of Combinatorics, 2019, 76, 117-122.	0.8	2
125	Permanent Index of Matrices Associated with Graphs. Electronic Journal of Combinatorics, 2017, 24, .	0.4	2
126	Oriented walk double covering and bidirectional double tracing. Journal of Graph Theory, 1998, 29, 89-102.	0.9	1

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127	Graphs of Large Girth with Prescribed Partial Circular Colourings. Graphs and Combinatorics, 2005, 21, 119-129.	0.4	1
128	List backbone colouring of graphs. Discrete Applied Mathematics, 2014, 167, 45-51.	0.9	1
129	Beyond Ohbaâ€™s Conjecture: A bound on the choice number of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-chromatic graphs with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>n</mml:mi></mml:math>vertices. European Journal of Combinatorics, 2015, 43, 295-305.	0.8	1
130	$$(2+epsilon)$$ (2 + Ïµ) -Nonrepetitive List Colouring of Paths. Graphs and Combinatorics, 2016, 32, 1635-1640.	0.4	1
131	Fractional Thue chromatic number of graphs. Discrete Applied Mathematics, 2016, 200, 191-199.	0.9	1
132	Greedy Nim $$_mathrm{{k}}$$ k Game. Journal of Combinatorial Optimization, 2018, 35, 1241-1249.	1.3	1
133	List colouring of graphs and generalized Dyck paths. Discrete Mathematics, 2018, 341, 810-819.	0.7	1
134	Randomly twisted hypercubes. European Journal of Combinatorics, 2018, 70, 364-373.	0.8	1
135	List coloring triangleâ€free planar graphs. Journal of Graph Theory, 2020, 94, 278-298.	0.9	1
136	Multiple list coloring of 3â€choice critical graphs. Journal of Graph Theory, 2020, 95, 638-654.	0.9	1
137	Every planar graph is 1-defective (9,2)-paintable. Discrete Applied Mathematics, 2021, 294, 257-264.	0.9	1
138	Note on Hedetniemiâ€™s Conjecture and the Poljak-RÃ¶dl Function. MATRIX Book Series, 2021, , 499-511.	0.2	1
139	Uniquely Hâ€colorable graphs with large girth. Journal of Graph Theory, 1996, 23, 33-41.	0.9	1
140	D. Liu and X. Zhu, Erratum to: ?Fractional chromatic number and circular chromatic number for distance graphs with large clique size?.Journal of Graph Theory47(2) 2004, 129-146. Journal of Graph Theory, 2005, 48, 329-330.	0.9	0
141	Preface: optimization in graphs. Journal of Combinatorial Optimization, 2013, 25, 499-500.	1.3	0
142	Circular chromatic indices of even degree regular graphs. Discrete Mathematics, 2015, 338, 1154-1162.	0.7	0
143	The game Grundy indices of graphs. Journal of Combinatorial Optimization, 2015, 30, 596-611.	1.3	0
144	Circular total chromatic numbers of graphs. Discrete Mathematics, 2016, 339, 857-865.	0.7	0

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145	Total list weighting of graphs with bounded maximum average degree. Discrete Mathematics, 2018, 341, 2672-2675.	0.7	0
146	Hamiltonian Spectra of Graphs. Graphs and Combinatorics, 2019, 35, 827-836.	0.4	0
147	Generalized List Colouring of Graphs. Graphs and Combinatorics, 2021, 37, 2121.	0.4	0
148	Chromatic Î»â€cchoosable and Î»â€paintable graphs. Journal of Graph Theory, 2021, 98, 642.	0.9	0
149	3â€Degenerate induced subgraph of a planar graph. Journal of Graph Theory, 2022, 99, 251.	0.9	0
150	Signed colouring and list colouring of kâ€chromatic graphs. Journal of Graph Theory, 2022, 99, 637-650.	0.9	0
151	Circular chromatic Ramsey number. Electronic Journal of Combinatorics, 2017, 8, 189-208.	0.1	0
152	Generalized signed graphs of large girth and large chromatic number. Discrete Mathematics, 2022, 345, 112980.	0.7	0
153	Signed planar graphs with given circular chromatic numbers. Discrete Mathematics, 2022, 345, 113020.	0.7	0