Xuding Zhu

List of Publications by Year
in descending order

153 papers	2,453 citations	236925 25 h-index	254184 43 g-index
156 all docs	156 docs citations	156 times ranked	485 citing authors

#	Article	IF	Citations
1	3‐Degenerate induced subgraph of a planar graph. Journal of Graph Theory, 2022, 99, 251.	0.9	0
2	Signed colouring and list colouring of k‐chromatic graphs. Journal of Graph Theory, 2022, 99, 637-650.	0.9	0
3	The circular chromatic numbers of signed series-parallel graphs. Discrete Mathematics, 2022, 345, 112733.	0.7	3
4	Decomposing planar graphs into graphs with degree restrictions. Journal of Graph Theory, 2022, 101, 165-181.	0.9	5
5	Generalized signed graphs of large girth and large chromatic number. Discrete Mathematics, 2022, 345, 112980.	0.7	0
6	Signed planar graphs with given circular chromatic numbers. Discrete Mathematics, 2022, 345, 113020.	0.7	0
7	Relatively small counterexamples to Hedetniemi's conjecture. Journal of Combinatorial Theory Series B, 2021, 146, 141-150.	1.0	6
8	Colouring of S-labelled planar graphs. European Journal of Combinatorics, 2021, 92, 103198.	0.8	4
9	Generalized List Colouring of Graphs. Graphs and Combinatorics, 2021, 37, 2121.	0.4	0
10	Every planar graph is 1-defective (9,2)-paintable. Discrete Applied Mathematics, 2021, 294, 257-264.	0.9	1
11	Chromatic λ‐choosable and λ‐paintable graphs. Journal of Graph Theory, 2021, 98, 642.	0.9	0
12	Note on Hedetniemi's Conjecture and the Poljak-Rödl Function. MATRIX Book Series, 2021, , 499-511.	0.2	1
13	A refinement of choosability of graphs. Journal of Combinatorial Theory Series B, 2020, 141, 143-164.	1.0	13
14	Fractional DP‐colorings of sparse graphs. Journal of Graph Theory, 2020, 93, 203-221.	0.9	5
15	List coloring triangle‐free planar graphs. Journal of Graph Theory, 2020, 94, 278-298.	0.9	1
16	Multiple list coloring of 3‐choice critical graphs. Journal of Graph Theory, 2020, 95, 638-654.	0.9	1
17	On-line DP-coloring of graphs. Discrete Applied Mathematics, 2020, 285, 443-453.	0.9	5
18	The strong fractional choice number of series–parallel graphs. Discrete Mathematics, 2020, 343, 111796.	0.7	5

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19	The Alon–Tarsi number of planar graphs without cycles of lengths 4 and l. Discrete Mathematics, 2020, 343, 111797.	0.7	9
20	The Alon-Tarsi number of a planar graph minus a matching. Journal of Combinatorial Theory Series B, 2020, 145, 511-520.	1.0	13
21	A connected version of the graph coloring game. Discrete Applied Mathematics, 2020, 283, 744-750.	0.9	6
22	The Alon–Tarsi number of planar graphs. Journal of Combinatorial Theory Series B, 2019, 134, 354-358.	1.0	12
23	Hamiltonian Spectra of Graphs. Graphs and Combinatorics, 2019, 35, 827-836.	0.4	0
24	Extremal problems on saturation for the family of k-edge-connected graphs. Discrete Applied Mathematics, 2019, 260, 278-283.	0.9	4
25	Multiple list colouring triangle free planar graphs. Journal of Combinatorial Theory Series B, 2019, 137, 112-117.	1.0	7
26	Graphs are $(1, \hat{1} +$. Discrete Mathematics, 2019, 342, 279-284.	0.7	5
27	Extensions of matroid covering and packing. European Journal of Combinatorics, 2019, 76, 117-122.	0.8	2
28	Colouring of generalized signed triangle-free planar graphs. Discrete Mathematics, 2019, 342, 836-843.	0.7	4
29	Greedy Nim $_\mathrm{k}$ k Game. Journal of Combinatorial Optimization, 2018, 35, 1241-1249.	1.3	1
30	List colouring of graphs and generalized Dyck paths. Discrete Mathematics, 2018, 341, 810-819.	0.7	1
31	The fault-diameter and wide-diameter of twisted hypercubes. Discrete Applied Mathematics, 2018, 235, 154-160.	0.9	7
32	Bounded Greedy Nim. Theoretical Computer Science, 2018, 746, 1-5.	0.9	2
33	Total list weighting of graphs with bounded maximum average degree. Discrete Mathematics, 2018, 341, 2672-2675.	0.7	0
34	Graphs with maximum average degree less than $\frac{11}{4}$ are $(1, 3)$.	0.7	2
35	Randomly twisted hypercubes. European Journal of Combinatorics, 2018, 70, 364-373.	0.8	1
36	Defective 3-Paintability of Planar Graphs. Electronic Journal of Combinatorics, 2018, 25, .	0.4	3

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37	Total weight choosability of Mycielski graphs. Journal of Combinatorial Optimization, 2017, 33, 165-182.	1.3	4
38	Total weight choosability of graphs with bounded maximum average degree. Discrete Mathematics, 2017, 340, 2033-2042.	0.7	2
39	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:`. Discrete Applied Mathematics, 2017, 219, 193-201.	0.9	4
40	Total Weight Choosability of Trees. SIAM Journal on Discrete Mathematics, 2017, 31, 669-686.	0.8	4
41	DP-colorings of graphs with high chromatic number. European Journal of Combinatorics, 2017, 65, 122-129.	0.8	20
42	On (4, 2)-Choosable Graphs. Journal of Graph Theory, 2017, 85, 412-428.	0.9	3
43	A Hypercube Variant with Small Diameter. Journal of Graph Theory, 2017, 85, 651-660.	0.9	11
44	Multiple list colouring of planar graphs. Journal of Combinatorial Theory Series B, 2017, 122, 794-799.	1.0	10
45	Decomposition of sparse graphs into forests: The Nine Dragon Tree Conjecture for $k \leq 2$. Journal of Combinatorial Theory Series B, 2017, 122, 741-756.	1.0	5
46	Permanent Index of Matrices Associated with Graphs. Electronic Journal of Combinatorics, 2017, 24, .	0.4	2
47	Circular chromatic Ramsey number. Electronic Journal of Combinatorics, 2017, 8, 189-208.	0.1	0
48	Improper Coloring of Sparse Graphs with a Given Girth, II: Constructions. Journal of Graph Theory, 2016, 81, 403-413.	0.9	12
49	Antimagic Labeling of Regular Graphs. Journal of Graph Theory, 2016, 82, 339-349.	0.9	48
50	Strong Chromatic Index of Sparse Graphs. Journal of Graph Theory, 2016, 83, 334-339.	0.9	4
51	Coloring, sparseness and girth. Israel Journal of Mathematics, 2016, 214, 315-331.	0.8	8
52	$$(2+epsilon)$$ (2 + ϵ) -Nonrepetitive List Colouring of Paths. Graphs and Combinatorics, 2016, 32, 1635-1640.	0.4	1
53	Every graph is (2,3)-choosable. Combinatorica, 2016, 36, 121-127.	1.2	26
54	A combinatorial proof for the circular chromatic number of Kneser graphs. Journal of Combinatorial Optimization, 2016, 32, 765-774.	1.3	3

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55	Locally planar graphs are 2-defective 4-paintable. European Journal of Combinatorics, 2016, 54, 35-50.	0.8	4
56	Circular total chromatic numbers of graphs. Discrete Mathematics, 2016, 339, 857-865.	0.7	0
57	Total Weight Choosability of Cone Graphs. Graphs and Combinatorics, 2016, 32, 1203-1216.	0.4	3
58	Fractional Thue chromatic number of graphs. Discrete Applied Mathematics, 2016, 200, 191-199.	0.9	1
59	Regular Graphs of Odd Degree Are Antimagic. Journal of Graph Theory, 2015, 80, 28-33.	0.9	37
60	Circular chromatic indices of even degree regular graphs. Discrete Mathematics, 2015, 338, 1154-1162.	0.7	0
61	Circular flow number of highly edge connected signed graphs. Journal of Combinatorial Theory Series B, 2015, 112, 93-103.	1.0	4
62	Locally planar graphs are 5-paintable. Discrete Mathematics, 2015, 338, 1740-1749.	0.7	5
63	Beyond Ohba's Conjecture: A bound on the choice number of k-chromatic graphs with n vertices. European Journal of Combinatorics, 2015, 43, 295-305.	0.8	1
64	The game Grundy indices of graphs. Journal of Combinatorial Optimization, 2015, 30, 596-611.	1.3	0
65	Antimagic Labeling of Cubic Graphs. Journal of Graph Theory, 2014, 75, 31-36.	0.9	24
66	Anti-magic labeling of trees. Discrete Mathematics, 2014, 331, 9-14.	0.7	36
67	Circular Chromatic Indices of Regular Graphs. Journal of Graph Theory, 2014, 76, 169-193.	0.9	3
68	Towards an on-line version of Ohba's conjecture. European Journal of Combinatorics, 2014, 36, 110-121.	0.8	8
69	List backbone colouring of graphs. Discrete Applied Mathematics, 2014, 167, 45-51.	0.9	1
70	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
71	Preface: optimization in graphs. Journal of Combinatorial Optimization, 2013, 25, 499-500.	1.3	0
72	The game Grundy number of graphs. Journal of Combinatorial Optimization, 2013, 25, 752-765.	1.3	10

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73	Partial Online List Coloring of Graphs. Journal of Graph Theory, 2013, 74, 359-367.	0.9	4
74	Backbone coloring for graphs with large girths. Discrete Mathematics, 2013, 313, 1799-1804.	0.7	2
75	Choosability of Graphs with Bounded Order: OhbaÊ¼s Conjecture and Beyond. Electronic Notes in Discrete Mathematics, 2013, 43, 89-95.	0.4	4
76	The strong game colouring number of directed graphs. Discrete Mathematics, 2013, 313, 1070-1077.	0.7	3
77	Anti-magic labelling of Cartesian product of graphs. Theoretical Computer Science, 2013, 477, 1-5.	0.9	5
78	A short proof for ChenÊ¼s Alternative Kneser Coloring Lemma. Journal of Combinatorial Theory - Series A, 2013, 120, 159-163.	0.8	7
79	Decomposition of Sparse Graphs into Forests and a Graph with Bounded Degree. Journal of Graph Theory, 2013, 74, 369-391.	0.9	17
80	Total weight choosability of Cartesian product of graphs. European Journal of Combinatorics, 2012, 33, 1725-1738.	0.8	8
81	ON-LINE 3-CHOOSABLE PLANAR GRAPHS. Taiwanese Journal of Mathematics, 2012, 16, .	0.4	5
82	Weighted-1-antimagic graphs of prime power order. Discrete Mathematics, 2012, 312, 2162-2169.	0.7	16
83	Application of polynomial method to on-line list colouring of graphs. European Journal of Combinatorics, 2012, 33, 872-883.	0.8	16
84	Decomposing a graph into forests. Journal of Combinatorial Theory Series B, 2012, 102, 38-52.	1.0	27
85	Antimagic labelling of vertex weighted graphs. Journal of Graph Theory, 2012, 70, 348-350.	0.9	25
86	On-Line List Colouring of Complete Multipartite Graphs. Electronic Journal of Combinatorics, 2012, 19, .	0.4	12
87	Entire colouring of plane graphs. Journal of Combinatorial Theory Series B, 2011, 101, 490-501.	1.0	24
88	Circular flow on signed graphs. Journal of Combinatorial Theory Series B, 2011, 101, 464-479.	1.0	31
89	Thue choosability of trees. Discrete Applied Mathematics, 2011, 159, 2045-2049.	0.9	17
90	The fractional version of Hedetniemiâ€™s conjecture is true. European Journal of Combinatorics, 2011, 32, 1168-1175.	0.8	30

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91	Distinguishing labeling of the actions of almost simple groups. Combinatorica, 2011, 31, 489-506.	1.2	2
92	Nonrepetitive list colourings of paths. Random Structures and Algorithms, 2011, 38, 162-173.	1.1	23
93	Total weight choosability of graphs. Journal of Graph Theory, 2011, 66, 198-212.	0.9	48
94	Short cycle covers of graphs and nowhere-zero flows. Journal of Graph Theory, 2011, 68, 340-348.	0.9	6
95	Multi‐coloring the Mycielskian of graphs. Journal of Graph Theory, 2010, 63, 311-323.	0.9	3
96	Choosability of toroidal graphs without short cycles. Journal of Graph Theory, 2010, 65, 1-15.	0.9	4
97	Claw‐free circular‐perfect graphs. Journal of Graph Theory, 2010, 65, 163-172.	0.9	3
98	Decomposition of sparse graphs, with application to game coloring number. Discrete Mathematics, 2010, 310, 1520-1523.	0.7	10
99	List Total Weighting of Graphs. Bolyai Society Mathematical Studies, 2010, , 337-353.	0.3	7
100	Game Colouring Directed Graphs. Electronic Journal of Combinatorics, 2010, 17, .	0.4	5
101	The Two-Coloring Number and Degenerate Colorings of Planar Graphs. SIAM Journal on Discrete Mathematics, 2009, 23, 1548-1560.	0.8	14
102	On-Line List Colouring of Graphs. Electronic Journal of Combinatorics, 2009, 16, .	0.4	52
103	Circular chromatic index of Cartesian products of graphs. Journal of Graph Theory, 2008, 57, 7-18.	0.9	6
104	Circular choosability via combinatorial Nullstellensatz. Journal of Graph Theory, 2008, 59, 190-204.	0.9	4
105	Game coloring the Cartesian product of graphs. Journal of Graph Theory, 2008, 59, 261-278.	0.9	28
106	Refined activation strategy for the marking game. Journal of Combinatorial Theory Series B, 2008, 98, 1-18.	1.0	71
107	Lower bounds for the game colouring number of partial k-trees and planar graphs. Discrete Mathematics, 2008, 308, 2637-2642.	0.7	29
108	Activation strategy for asymmetric marking games. European Journal of Combinatorics, 2008, 29, 1123-1132.	0.8	12

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109	The Map-Coloring Game. American Mathematical Monthly, 2007, 114, 793-803.	0.3	61
110	List circular coloring of trees and cycles. Journal of Graph Theory, 2007, 55, 249-265.	0.9	5
111	The circular chromatic index of graphs of high girth. Journal of Combinatorial Theory Series B, 2007, 97, 1-13.	1.0	11
112	Distinguishing labellings of group action on vector spaces and graphs. Journal of Algebra, 2006, 303, 626-641.	0.7	40
113	On the circular chromatic number of circular partitionable graphs. Journal of Graph Theory, 2006, 52, 294-306.	0.9	2
114	Recent Developments in Circular Colouring of Graphs. , 2006, , 497-550.		44
115	Circular perfect graphs. Journal of Graph Theory, 2005, 48, 186-209.	0.9	24
116	Circular choosability of graphs. Journal of Graph Theory, 2005, 48, 210-218.	0.9	12
117	Circular chromatic index of graphs of maximum degree 3. Journal of Graph Theory, 2005, 49, 325-335.	0.9	12
118	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
119	Graphs of Large Girth with Prescribed Partial Circular Colourings. Graphs and Combinatorics, 2005, 21, 119-129.	0.4	1
120	Circular Distance Two Labeling and the $lambda$-Number for Outerplanar Graphs. SIAM Journal on Discrete Mathematics, 2005, 19, 281-293.	0.8	19
121	Sparse H -Colourable Graphs of Bounded Maximum Degree. Graphs and Combinatorics, 2004, 20, 65-71.	0.4	2
122	Density of the circular chromatic numbers of series-parallel graphs. Journal of Graph Theory, 2004, 46, 57-68.	0.9	6
123	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
124	An Analogue of Hajï¿½s' Theorem for the Circular Chromatic Number (II). Graphs and Combinatorics, 2003, 19, 419-432.	0.4	6
125	Construction of graphs with given circular flow numbers. Journal of Graph Theory, 2003, 43, 304-318.	0.9	13
126	Circular chromatic number of subgraphs. Journal of Graph Theory, 2003, 44, 95-105.	0.9	7

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127	Circular chromatic number and Mycielski construction. Journal of Graph Theory, 2003, 44, 106-115.	0.9	21
128	Circular chromatic number of Kneser graphs. Journal of Combinatorial Theory Series B, 2003, 88, 299-303.	1.0	21
129	Construction of Kn-minor free graphs with given circular chromatic number. Discrete Mathematics, 2003, 263, 191-206.	0.7	12
130	The fractional chromatic number of the direct product of graphs. Glasgow Mathematical Journal, 2002, 44, 103.	0.3	14
131	Circular chromatic number of distance graphs with distance sets of cardinality 3. Journal of Graph Theory, 2002, 41, 195-207.	0.9	22
132	Edge-partitions of planar graphs and their game coloring numbers. Journal of Graph Theory, 2002, 41, 307-317.	0.9	45
133	The circular chromatic number of series-parallel graphs of large odd girth. Discrete Mathematics, 2002, 245, 235-246.	0.7	19
134	Game chromatic index of k-degenerate graphs. Journal of Graph Theory, 2001, 36, 144-155.	0.9	39
135	Circular chromatic number. Discrete Mathematics, 2001, 229, 371-410.	0.7	250
136	The circular chromatic number of series-parallel graphs. Journal of Graph Theory, 2000, 33, 14-24.	0.9	24
137	The game coloring number of pseudo partial k-trees. Discrete Mathematics, 2000, 215, 245-262.	0.7	65
138	Circular colouring and graph homomorphism. Bulletin of the Australian Mathematical Society, 1999, 59, 83-97.	0.5	14
139	A bound for the game chromatic number of graphs. Discrete Mathematics, 1999, 196, 109-115.	0.7	78
140	Graphs Whose Circular Chromatic Number Equals the Chromatic Number. Combinatorica, 1999, 19, 139-149.	1.2	16
141	The Game Coloring Number of Planar Graphs. Journal of Combinatorial Theory Series B, 1999, 75, 245-258.	1.0	112
142	Planar Graphs with Circular Chromatic Numbers between 3 and 4. Journal of Combinatorial Theory Series B, 1999, 76, 170-200.	1.0	27
143	Construction of uniquely H-colorable graphs. Journal of Graph Theory, 1999, 30, 1-6.	0.9	14
144	A simple proof of Moser's theorem. Journal of Graph Theory, 1999, 30, 19-26.	0.9	12

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145	Game chromatic number of outerplanar graphs. Journal of Graph Theory, 1999, 30, 67-70.	0.9	75
146	Distance graphs with missing multiples in the distance sets. Journal of Graph Theory, 1999, 30, 245-259.	0.9	18
147	Chromatic Ramsey numbers. Discrete Mathematics, 1998, 190, 215-222.	0.7	12
148	Oriented walk double covering and bidirectional double tracing. Journal of Graph Theory, 1998, 29, 89-102.	0.9	1
149	A SURVEY ON HEDETNIEMI'S CONJECTURE. Taiwanese Journal of Mathematics, 1998, 2, 1.	0.4	49
150	UniquelyH-colorable graphs with large girth. Journal of Graph Theory, 1996, 23, 33-41.	0.9	41
151	Star-extremal graphs and the lexicographic product. Discrete Mathematics, 1996, 152, 147-156.	0.7	41
152	Uniquely Hâ€colorable graphs with large girth. Journal of Graph Theory, 1996, 23, 33-41.	0.9	1
153	Star chromatic numbers and products of graphs. Journal of Graph Theory, 1992, 16, 557-569.	0.9	92