Shenggui Zhang

List of Publications by Year
in descending order

84	666	759055	677027
papers	citations	12	22
		h-index	g-index

85	85	85	253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Topology Optimization for Event-Triggered Consensus With Triggered Events Reducing and Convergence Rate Improving. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1223-1227.	2.2	1
2	Color neighborhood union conditions for proper edge-pancyclicity of edge-colored complete graphs. Discrete Applied Mathematics, 2022, 307, 145-152.	0.5	1
3	Determining Redundant Links of Multiagent Systems in Keeping or Improving Consensus Convergence Rates. IEEE Systems Journal, 2022, 16, 6153-6163.	2.9	3
4	A Novel COVID-19-Related Drug Discovery Approach Based on Non-Equidimensional Data Clustering. Frontiers in Pharmacology, 2022, 13, 813391.	1.6	0
5	Rainbow triangles in arc-colored digraphs. Discrete Applied Mathematics, 2022, 314, 169-180.	0.5	1
6	Perfect state transfer in NEPS of complete graphs. Discrete Applied Mathematics, 2021, 289, 98-114.	0.5	11
7	Flow number of signed Halin graphs. Applied Mathematics and Computation, 2021, 393, 125751.	1.4	0
8	Identifying Disease Related Genes by Network Representation and Convolutional Neural Network. Frontiers in Cell and Developmental Biology, 2021, 9, 629876.	1.8	3
9	Edge-Colored Complete Graphs Containing No Properly Colored Odd Cycles. Graphs and Combinatorics, 2021, 37, 1129-1138.	0.2	2
10	Rainbow Triangles in Arc-Colored Tournaments. Graphs and Combinatorics, 2021, 37, 1271-1290.	0.2	1
11	Edge DP-coloring in planar graphs. Discrete Mathematics, 2021, 344, 112314.	0.4	0
12	Maximum values of degree-based entropies of bipartite graphs. Applied Mathematics and Computation, 2021, 401, 126094.	1.4	1
13	Laplacian Perfect State Transfer in Extended Neighborhood Coronas. Acta Mathematica Sinica, English Series, 2021, 37, 1921-1932.	0.2	1
14	Perfect state transfer in NEPS of some graphs. Linear and Multilinear Algebra, 2020, 68, 1518-1533.	0.5	9
15	Vertexâ€disjoint properly edgeâ€colored cycles in edgeâ€colored complete graphs. Journal of Graph Theory, 2020, 94, 476-493.	0.5	9
16	Edge coloring of signed graphs. Discrete Applied Mathematics, 2020, 282, 234-242.	0.5	7
17	Kernels by rainbow paths in arc-colored tournaments. Discrete Applied Mathematics, 2020, 282, 14-21.	0.5	3
18	On graph entropy measures based on the number of independent sets and matchings. Information Sciences, 2020, 516, 491-504.	4.0	9

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19	Properly colored C4's in edge-colored graphs. Discrete Mathematics, 2020, 343, 112116.	0.4	4
20	Sub-Ramsey Numbers for Matchings. Graphs and Combinatorics, 2020, 36, 1675-1685.	0.2	0
21	On characterizing the critical graphs for matching Ramsey numbers. Discrete Applied Mathematics, 2020, 287, 15-20.	0.5	3
22	Some algorithmic results for finding compatible spanning circuits in edge-colored graphs. Journal of Combinatorial Optimization, 2020, 40, 1008-1019.	0.8	2
23	Neighbor Sum Distinguishing Total Choosability of Cubic Graphs. Graphs and Combinatorics, 2020, 36, 1545-1562.	0.2	3
24	A classification of edge-colored graphs based on properly colored walks. Discrete Applied Mathematics, 2020, 283, 590-595.	0.5	2
25	Laplacian state transfer in edge coronas. Linear and Multilinear Algebra, 2020, , 1-24.	0.5	2
26	Graph entropy based on the number of spanning forests of c-cyclic graphs. Applied Mathematics and Computation, 2019, 363, 124616.	1.4	7
27	Extremality of Graph Entropy Based on Degrees of Uniform Hypergraphs with Few Edges. Acta Mathematica Sinica, English Series, 2019, 35, 1238-1250.	0.2	6
28	On sufficient conditions for rainbow cycles in edge-colored graphs. Discrete Mathematics, 2019, 342, 1956-1965.	0.4	9
29	Six-flows on almost balanced signed graphs. Journal of Graph Theory, 2019, 92, 394-404.	0.5	3
30	Properly Edge-colored Theta Graphs in Edge-colored Complete Graphs. Graphs and Combinatorics, 2019, 35, 261-286.	0.2	9
31	Fractional chromatic numbers of tensor products of three graphs. Discrete Mathematics, 2019, 342, 1310-1317.	0.4	1
32	Kernels by properly colored paths in arc-colored digraphs. Discrete Mathematics, 2018, 341, 1523-1533.	0.4	9
33	Laplacian spectral moment and Laplacian Estrada index of random graphs. Journal of Mathematical Analysis and Applications, 2018, 461, 1299-1307.	0.5	2
34	Computing the numbers of independent sets and matchings of all sizes for graphs with bounded treewidth. Applied Mathematics and Computation, 2018, 332, 42-47.	1.4	4
35	Color degree and monochromatic degree conditions for short properly colored cycles in edge-colored graphs. Journal of Graph Theory, 2018, 87, 362-373.	0.5	24
36	Coulson-type integral formulas for the general energy of polynomials with real roots. Applied Mathematics and Computation, 2018, 320, 202-212.	1.4	1

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37	Families of vector spaces with r-wise L-intersections. Discrete Mathematics, 2018, 341, 1041-1054.	0.4	2
38	The spectral distribution of random mixed graphs. Linear Algebra and Its Applications, 2017, 519, 343-365.	0.4	14
39	Coulson-type integral formulas for the general Laplacian energy-like invariant of graphs II. Journal of Mathematical Analysis and Applications, 2017, 449, 1725-1740.	0.5	5
40	Cycle extension in edge-colored complete graphs. Discrete Mathematics, 2017, 340, 1235-1241.	0.4	6
41	The von Neumann entropy of random multipartite graphs. Discrete Applied Mathematics, 2017, 232, 201-206.	0.5	2
42	The Laplacian energy and Laplacian Estrada index of random multipartite graphs. Journal of Mathematical Analysis and Applications, 2016, 443, 675-687.	0.5	4
43	Induced subgraphs with large degrees at end-vertices for hamiltonicity of claw-free graphs. Acta Mathematica Sinica, English Series, 2016, 32, 845-855.	0.2	4
44	Color Degree Sum Conditions for Rainbow Triangles in Edge-Colored Graphs. Graphs and Combinatorics, 2016, 32, 2001-2008.	0.2	13
45	Solution to a Problem on Hamiltonicity of Graphs Under Ore- and Fan-Type Heavy Subgraph Conditions. Graphs and Combinatorics, 2016, 32, 1125-1135.	0.2	2
46	Coulson-type integral formulas for the general Laplacian-energy-like invariant of graphs I. Journal of Mathematical Analysis and Applications, 2016, 435, 1249-1261.	0.5	8
47	Rainbow cliques in edge-colored graphs. European Journal of Combinatorics, 2016, 54, 193-200.	0.5	10
48	Long Paths and Cycles Passing Through Specified Vertices Under the Average Degree Condition. Graphs and Combinatorics, 2016, 32, 279-295.	0.2	0
49	On the maximum arc-chromatic number of digraphs with bounded outdegrees or indegrees. Information Processing Letters, 2015, 115, 939-944.	0.4	0
50	A note on the number of spanning trees of line digraphs. Discrete Mathematics, 2015, 338, 688-694.	0.4	1
51	Characterizing Heavy Subgraph Pairs for Pancyclicity. Graphs and Combinatorics, 2015, 31, 649-667.	0.2	1
52	Degree and neighborhood intersection conditions restricted to induced subgraphs ensuring Hamiltonicity of graphs. Discrete Mathematics, Algorithms and Applications, 2014, 06, 1450043.	0.4	1
53	Extreme Tenacity of Graphs with Given Order and Size. Journal of the Operations Research Society of China, 2014, 2, 307-315.	0.9	1
54	Rainbow triangles in edge-colored graphs. European Journal of Combinatorics, 2014, 36, 453-459.	0.5	32

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55	Covering digraphs with small indegrees or outdegrees by directed cuts. Discrete Mathematics, 2013, 313, 1648-1654.	0.4	2
56	Ore- and Fan-type heavy subgraphs for Hamiltonicity of 2-connected graphs. Discrete Mathematics, 2013, 313, 1715-1725.	0.4	11
57	Pairs of Heavy Subgraphs for Hamiltonicity of 2-Connected Graphs. SIAM Journal on Discrete Mathematics, 2012, 26, 1088-1103.	0.4	15
58	On the reciprocal degree distance of graphs. Discrete Applied Mathematics, 2012, 160, 1152-1163.	0.5	38
59	Covering the edges of digraphs in <mml:math altimg="si29.gif" display="inline" 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://. Discrete Mathematics.	0.4	3
60	Integrated Importance Measure of Component States Based on Loss of System Performance. IEEE Transactions on Reliability, 2012, 61, 192-202.	3.5	88
61	Spanning Cyclic Subdivisions of Vertex-Disjoint Cycles and Chorded Cycles in Graphs. Graphs and Combinatorics, 2012, 28, 277-285.	0.2	2
62	An Improved Graph Entropy-based Method for Identifying Protein Complexes. , 2011, , .		6
63	Heavy cycles and spanning trees with few leaves in weighted graphs. Applied Mathematics Letters, 2011, 24, 908-910.	1.5	1
64	Extremal graphs with given order and the rupture degree. Computers and Mathematics With Applications, 2010, 60, 1706-1710.	1.4	3
65	Integrated importance measures of multi-state systems under uncertainty. Computers and Industrial Engineering, 2010, 59, 921-928.	3.4	37
66	Computing the connectivity indices of α- and β-cyclodextrins. , 2010, , .		0
67	Computing the Scattering Number of Bicyclic Graphs. , 2010, , .		0
68	Extreme values of the sum of squares of degrees of bipartite graphs. Discrete Mathematics, 2009, 309, 1557-1564.	0.4	11
69	Heavy cycles in k-connected weighted graphs with large weighted degree sums. Discrete Mathematics, 2008, 308, 4531-4543.	0.4	1
70	Vulnerability parameters of split graphs. International Journal of Computer Mathematics, 2008, 85, 19-23.	1.0	14
71	Vertex-neighbour-integrity of composition graphs of paths and cycles. International Journal of Computer Mathematics, 2008, 85, 727-733.	1.0	3
72	The upper bound of the number of cycles in a 2-factor of a line graph. Journal of Graph Theory, 2007, 55, 72-82.	0.5	12

#	Article	IF	Citations
73	Heavy Cycles in 2-Connected Weighted Graphs with Large Weighted Degree Sums. Lecture Notes in Computer Science, 2007, , 338-346.	1.0	1
74	An Implicit Weighted Degree Condition for Heavy Cycles in Weighted Graphs. , 2007, , 21-29.		0
75	An implicit degree condition for long cycles in 2-connected graphs. Applied Mathematics Letters, 2006, 19, 1148-1151.	1.5	8
76	Heavy cycles passing through some specified vertices in weighted graphs. Journal of Graph Theory, 2005, 49, 93-103.	0.5	7
77	Rupture degree of graphs. International Journal of Computer Mathematics, 2005, 82, 793-803.	1.0	51
78	Relationships between scattering number and other vulnerability parameters. International Journal of Computer Mathematics, 2004, 81, 291-298.	1.0	6
79	Heavy cycles in k-connected weighted graphs. Electronic Notes in Discrete Mathematics, 2004, 17, 293-296.	0.4	1
80	Computing the Scattering Number of Graphs. International Journal of Computer Mathematics, 2002, 79, 179-187.	1.0	23
81	A Fan Type Condition For Heavy Cycles in Weighted Graphs. Graphs and Combinatorics, 2002, 18, 193-200.	0.2	9
82	Scattering number in graphs. Networks, 2001, 37, 102-106.	1.6	28
83	A Ïƒ_3 type condition for heavy cycles in weighted graphs. Discussiones Mathematicae - Graph Theory, 2001, 21, 159.	0.2	7
84	Heavy paths and cycles in weighted graphs. Discrete Mathematics, 2000, 223, 327-336.	0.4	19