

Sanming Zhou

List of Publications by Year in descending order

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103
papers

1,136
citations

394421

19
h-index

501196

28
g-index

108
all docs

108
docs citations

108
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Networking for Big Data: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 531-549.	39.4	174
2	Optimal radio labellings of complete m -ary trees. Discrete Applied Mathematics, 2010, 158, 507-515.	0.9	38
3	Quotient FCMs - A decomposition theory for fuzzy cognitive maps. IEEE Transactions on Fuzzy Systems, 2003, 11, 593-604.	9.8	34
4	A class of finite symmetric graphs with 2-arc transitive quotients. Mathematical Proceedings of the Cambridge Philosophical Society, 2000, 129, 19-34.	0.4	33
5	A Class of Arc-Transitive Cayley Graphs as Models for Interconnection Networks. SIAM Journal on Discrete Mathematics, 2009, 23, 694-714.	0.8	31
6	Fuzzy causal networks: general model, inference, and convergence. IEEE Transactions on Fuzzy Systems, 2006, 14, 412-420.	9.8	29
7	Perfect Codes in Cayley Graphs. SIAM Journal on Discrete Mathematics, 2018, 32, 548-559.	0.8	29
8	Decycling numbers of random regular graphs. Random Structures and Algorithms, 2002, 21, 397-413.	1.1	28
9	Finite symmetric graphs with two-arc transitive quotients. Journal of Combinatorial Theory Series B, 2005, 94, 79-99.	1.0	28
10	Finite locally-quasiprimitive graphs. Discrete Mathematics, 2002, 246, 197-218.	0.7	27
11	Spectra of the neighbourhood corona of two graphs. Linear and Multilinear Algebra, 2014, 62, 1205-1219.	1.0	26
12	Dynamic domination in fuzzy causal networks. IEEE Transactions on Fuzzy Systems, 2006, 14, 42-57.	9.8	25
13	Labelling Cayley Graphs on Abelian Groups. SIAM Journal on Discrete Mathematics, 2005, 19, 985-1003.	0.8	23
14	Perfect codes in circulant graphs. Discrete Mathematics, 2017, 340, 1522-1527.	0.7	23
15	Constructing a Class of Symmetric Graphs. European Journal of Combinatorics, 2002, 23, 741-760.	0.8	22
16	A channel assignment problem for optical networks modelled by Cayley graphs. Theoretical Computer Science, 2004, 310, 501-511.	0.9	22
17	Almost Covers Of 2-Arc Transitive Graphs. Combinatorica, 2004, 24, 731.	1.2	21
18	Total perfect codes in Cayley graphs. Designs, Codes, and Cryptography, 2016, 81, 489-504.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Spectral Properties of Unitary Cayley Graphs of Finite Commutative Rings. <i>Electronic Journal of Combinatorics</i> , 2012, 19, .	0.4	21
20	Imprimitive symmetric graphs, 3-arc graphs and 1-designs. <i>Discrete Mathematics</i> , 2002, 244, 521-537.	0.7	19
21	FROBENIUS CIRCULANT GRAPHS OF VALENCY FOUR. <i>Journal of the Australian Mathematical Society</i> , 2008, 85, 269-282.	0.4	19
22	A distance-labelling problem for hypercubes. <i>Discrete Applied Mathematics</i> , 2008, 156, 2846-2854.	0.9	18
23	Tree Connectivities of Cayley Graphs on Abelian Groups with Small Degrees. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2016, 39, 1673-1685.	0.9	18
24	CROSS RATIO GRAPHS. <i>Journal of the London Mathematical Society</i> , 2001, 64, 257-272.	1.0	17
25	Gossiping and routing in undirected triple-loop networks. <i>Networks</i> , 2010, 55, 341-349.	2.7	14
26	Frobenius circulant graphs of valency six, Eisenstein-Jacobi networks, and hexagonal meshes. <i>European Journal of Combinatorics</i> , 2014, 38, 61-78.	0.8	12
27	Distance labellings of Cayley graphs of semigroups. <i>Semigroup Forum</i> , 2015, 91, 611-624.	0.6	12
28	Radio number of trees. <i>Discrete Applied Mathematics</i> , 2017, 217, 110-122.	0.9	12
29	On subgroup perfect codes in Cayley graphs. <i>European Journal of Combinatorics</i> , 2021, 91, 103228.	0.8	12
30	Upper bounds for \mathcal{A}' -domination number of graphs. <i>Discrete Mathematics</i> , 1998, 185, 239-243.	0.7	11
31	Symmetric Graphs and Flag Graphs. <i>Monatshefte Fur Mathematik</i> , 2003, 139, 69-81.	0.9	11
32	Finite symmetric graphs with two-arc transitive quotients II. <i>Journal of Graph Theory</i> , 2007, 56, 167-193.	0.9	11
33	The L(2,1)-labelling problem for cubic Cayley graphs on dihedral groups. <i>Journal of Combinatorial Optimization</i> , 2013, 25, 716-736.	1.3	11
34	Subgroup Perfect Codes in Cayley Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 1909-1921.	0.8	11
35	Perfect state transfer in NEPS of complete graphs. <i>Discrete Applied Mathematics</i> , 2021, 289, 98-114.	0.9	11
36	Distance-two labellings of Hamming graphs. <i>Discrete Applied Mathematics</i> , 2009, 157, 1896-1904.	0.9	10

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37	Quadratic unitary Cayley graphs of finite commutative rings. Linear Algebra and Its Applications, 2015, 479, 73-90.	0.9	10
38	Cyclotomic graphs and perfect codes. Journal of Pure and Applied Algebra, 2019, 223, 931-947.	0.6	10
39	Bounding the bandwidths for graphs. Theoretical Computer Science, 2000, 249, 357-368.	0.9	9
40	A Local Analysis of Imprimitive Symmetric Graphs. Journal of Algebraic Combinatorics, 2005, 22, 435-449.	0.8	9
41	Distance Labelling Problems for Hypercubes and Hamming Graphs – A Survey. Electronic Notes in Discrete Mathematics, 2007, 28, 527-534.	0.4	9
42	The $\langle \mathbb{Z}_m \rangle$ graphs. Discrete Mathematics, 2007, 28, 527-534.	0.8	9
43	A Survey on Approximation Mechanism Design Without Money for Facility Games. Springer Proceedings in Mathematics and Statistics, 2015, , 117-128.	0.2	9
44	Stability of circulant graphs. Journal of Combinatorial Theory Series B, 2019, 136, 154-169.	1.0	9
45	Spectral characterizations of propeller graphs. Electronic Journal of Linear Algebra, 0, 27, .	0.6	9
46	POLYNOMIAL TIME SOLVABILITY OF THE WEIGHTED RING ARC-LOADING PROBLEM WITH INTEGER SPLITTING. Journal of Interconnection Networks, 2004, 05, 193-200.	1.0	8
47	No-hole 2-distant colorings for Cayley graphs on finitely generated abelian groups. Discrete Mathematics, 2007, 307, 1808-1817.	0.7	8
48	Radio number of trees. Electronic Notes in Discrete Mathematics, 2015, 48, 135-141.	0.4	7
49	Recursive cubes of rings as models for interconnection networks. Discrete Applied Mathematics, 2017, 217, 639-662.	0.9	7
50	On $\$$ -domination number of a graph. Czechoslovak Mathematical Journal, 1996, 46, 489-499.	0.3	7
51	Interpolation theorems for graphs, hypergraphs and matroids. Discrete Mathematics, 1998, 185, 221-229.	0.7	6
52	Hamiltonicity of random graphs produced by 2-processes. Random Structures and Algorithms, 2007, 31, 450-481.	1.1	6
53	On a class of finite symmetric graphs. European Journal of Combinatorics, 2008, 29, 630-640.	0.8	6
54	Diameter and connectivity of 3-arc graphs. Discrete Mathematics, 2010, 310, 37-42.	0.7	6

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55	Forwarding and optical indices of 4-regular circulant networks. <i>Journal of Discrete Algorithms</i> , 2015, 35, 27-39.	0.7	6
56	Gossiping and routing in second-kind Frobenius graphs. <i>European Journal of Combinatorics</i> , 2012, 33, 1001-1014.	0.8	5
57	Canonical double covers of generalized Petersen graphs, and double generalized Petersen graphs. <i>Journal of Graph Theory</i> , 2021, 97, 70-81.	0.9	5
58	A study of 3-arc graphs. <i>Discrete Applied Mathematics</i> , 2011, 159, 344-353.	0.9	4
59	Labeling outerplanar graphs with maximum degree three. <i>Discrete Applied Mathematics</i> , 2013, 161, 200-211.	0.9	4
60	Linear and cyclic distance-three labellings of trees. <i>Discrete Applied Mathematics</i> , 2014, 178, 109-120.	0.9	4
61	Harper-type lower bounds and the bandwidths of the compositions of graphs. <i>Discrete Mathematics</i> , 1998, 181, 255-266.	0.7	3
62	Classifying a family of symmetric graphs. <i>Bulletin of the Australian Mathematical Society</i> , 2001, 63, 329-335.	0.5	3
63	On Isomorphisms of Minimal Cayley Graphs and Digraphs. <i>Graphs and Combinatorics</i> , 2001, 17, 307-314.	0.4	3
64	ROUTING BALANCED COMMUNICATIONS ON HAMILTON DECOMPOSABLE NETWORKS. <i>Parallel Processing Letters</i> , 2004, 14, 377-385.	0.6	3
65	Imprimitive symmetric graphs with cyclic blocks. <i>European Journal of Combinatorics</i> , 2010, 31, 362-367.	0.8	3
66	SOLUTION TO A QUESTION ON A FAMILY OF IMPRIMITIVE SYMMETRIC GRAPHS. <i>Bulletin of the Australian Mathematical Society</i> , 2010, 82, 79-83.	0.5	3
67	Hamiltonicity of 3-Arc Graphs. <i>Graphs and Combinatorics</i> , 2014, 30, 1283-1299.	0.4	3
68	Rotational circulant graphs. <i>Discrete Applied Mathematics</i> , 2014, 162, 296-305.	0.9	3
69	Group distance magic and antimagic graphs. <i>Acta Mathematica Sinica, English Series</i> , 2016, 32, 1159-1176.	0.6	3
70	Weak metacirculants of odd prime power order. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 155, 225-243.	0.8	3
71	Matroid tree graphs and interpolation theorems. <i>Discrete Mathematics</i> , 1995, 137, 395-397.	0.7	2
72	A sequential coloring algorithm for finite sets. <i>Discrete Mathematics</i> , 1999, 199, 291-297.	0.7	2

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73	Domination number and neighbourhood conditions. Discrete Mathematics, 1999, 195, 81-91.	0.7	2
74	Inequalities involving independence domination, f-domination, connected and total f-domination numbers. Czechoslovak Mathematical Journal, 2000, 50, 321-330.	0.3	2
75	Trivalent 2-Arc Transitive Graphs of Type G^1_2 are Near Polygonal. Annals of Combinatorics, 2010, 14, 397-405.	0.6	2
76	Unitary graphs and classification of a family of symmetric graphs with complete quotients. Journal of Algebraic Combinatorics, 2013, 38, 745-765.	0.8	2
77	SYMMETRIC GRAPHS WITH 2-ARC TRANSITIVE QUOTIENTS. Journal of the Australian Mathematical Society, 2014, 96, 275-288.	0.4	2
78	Vertex-imprimitive symmetric graphs with exactly one edge between any two distinct blocks. Journal of Combinatorial Theory - Series A, 2017, 152, 303-340.	0.8	2
79	Hadwiger's Conjecture for 3-Arc Graphs. Electronic Journal of Combinatorics, 2016, 23, .	0.4	2
80	A Family of Symmetric Graphs with Complete Quotients. Electronic Journal of Combinatorics, 2016, 23, .	0.4	2
81	Subgroup regular sets in Cayley graphs. Discrete Mathematics, 2022, 345, 113023.	0.7	2
82	Routing permutations and involutions on optical ring networks: complexity results and solution to an open problem. Journal of Discrete Algorithms, 2007, 5, 609-621.	0.7	1
83	Classification of a family of symmetric graphs with complete 2-arc-transitive quotients. Discrete Mathematics, 2009, 309, 5404-5410.	0.7	1
84	Minimum partition of an independence system into independent sets. Discrete Optimization, 2009, 6, 125-133.	0.9	1
85	Unitary Graphs. Journal of Graph Theory, 2014, 75, 37-47.	0.9	1
86	Group distance magic and antimagic graphs. Electronic Notes in Discrete Mathematics, 2015, 48, 41-48.	0.4	1
87	Hadwiger's Conjecture for the Complements of Kneser Graphs. Journal of Graph Theory, 2017, 84, 5-16.	0.9	1
88	Affine flag graphs and classification of a family of symmetric graphs with complete quotients. Discrete Mathematics, 2019, 342, 1792-1798.	0.7	1
89	CLASSIFICATION OF TETRAVALENT -TRANSITIVE NONNORMAL CAYLEY GRAPHS OF FINITE SIMPLE GROUPS. Bulletin of the Australian Mathematical Society, 2021, 104, 263-271.	0.5	1
90	A Graph Symmetrization Bound on Channel Information Leakage Under Blowfish Privacy. IEEE Transactions on Information Theory, 2022, 68, 538-548.	2.4	1

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91	Nowhere-zero 3-flows in graphs admitting solvable arc-transitive groups of automorphisms. <i>Ars Mathematica Contemporanea</i> , 2016, 10, 85-90.	0.6	1
92	Interpolation theorems for a family of spanning subgraphs. <i>Czechoslovak Mathematical Journal</i> , 1998, 48, 45-53.	0.3	0
93	An inequality between the diameter and the inverse dual degree of a tree. <i>Discrete Mathematics</i> , 2002, 259, 351-358.	0.7	0
94	Large forbidden trade volumes and edge packings of random graphs. <i>Discrete Mathematics</i> , 2008, 308, 2751-2755.	0.7	0
95	Three-arc graphs: Characterization and domination. <i>Discrete Applied Mathematics</i> , 2015, 193, 200-207.	0.9	0
96	Cores of Imprimitive Symmetric Graphs of Order a Product of Two Distinct Primes. <i>Journal of Graph Theory</i> , 2016, 81, 364-392.	0.9	0
97	A linear-time algorithm for the orbit problem over cyclic groups. <i>Acta Informatica</i> , 2016, 53, 493-508.	0.5	0
98	RESOLVABLE MENDELSON DESIGNS AND FINITE FROBENIUS GROUPS. <i>Bulletin of the Australian Mathematical Society</i> , 2018, 98, 1-13.	0.5	0
99	Hadwiger's conjecture for squares of 2-trees. <i>European Journal of Combinatorics</i> , 2019, 76, 159-174.	0.8	0
100	The vertex-isoperimetric number of the incidence and non-incidence graphs of unitals. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 957-970.	1.6	0
101	Distance-constrained labellings of Cartesian products of graphs. <i>Discrete Applied Mathematics</i> , 2021, 304, 375-383.	0.9	0
102	A Linear-Time Algorithm for the Orbit Problem over Cyclic Groups. <i>Lecture Notes in Computer Science</i> , 2014, , 327-341.	1.3	0
103	Hadwiger's Conjecture and Squares of Chordal Graphs. <i>Lecture Notes in Computer Science</i> , 2016, , 417-428.	1.3	0