Weihua Yang

List of Publications by Year
in descending order

65 papers	1,018 citations	394421 19 h-index	454955 30 g-index

| 65 all docs | 65 docs citations | 65 times ranked | 167 citing authors |

#	Article	IF	Citations
1	Extraconnectivity of hypercubes. Applied Mathematics Letters, 2009, 22, 887-891.	2.7	99
2	The *g*-extra conditional diagnosability and sequential *t/k*-diagnosability of hypercubes. International Journal of Computer Mathematics, 2016, 93, 482-497.	1.8	92
3	Conditional connectivity of Cayley graphs generated by transposition trees. Information Processing Letters, 2010, 110, 1027-1030.	0.6	80
4	Reliability Evaluation of BC Networks in Terms of the Extra Vertex- and Edge-Connectivity. IEEE Transactions on Computers, 2014, 63, 2540-2548.	3.4	69
5	Component connectivity of hypercubes. Theoretical Computer Science, 2016, 640, 115-118.	0.9	65
6	Bounding the size of the subgraph induced by m vertices and extra edge-connectivity of hypercubes. Discrete Applied Mathematics, 2013, 161, 2753-2757.	0.9	45
7	A kind of conditional fault tolerance of alternating group graphs. Information Processing Letters, 2010, 110, 998-1002.	0.6	44
8	Conditional connectivity of folded hypercubes. Discrete Applied Mathematics, 2019, 257, 388-392.	0.9	39
9	Edge disjoint paths in hypercubes and folded hypercubes with conditional faults. Applied Mathematics and Computation, 2017, 294, 96-101.	2.2	36
10	A kind of conditional vertex connectivity of Cayley graphs generated by 2-trees. Information Sciences, 2011, 181, 4300-4308.	6.9	34
11	A kind of conditional fault tolerance of -star graphs. Information Processing Letters, 2010, 110, 1007-1011.	0.6	33
12	Reliability analysis of bijective connection networks in terms of the extra edge-connectivity. Information Sciences, 2014, 279, 374-382.	6.9	32
13	Strong Menger connectivity with conditional faults of folded hypercubes. Information Processing Letters, 2017, 125, 30-34.	0.6	32
14	Generalized measures of fault tolerance in hypercube networks. Applied Mathematics Letters, 2012, 25, 1335-1339.	2.7	28
15	On reliability of the folded hypercubes in terms of the extra edge-connectivity. Information Sciences, 2014, 272, 238-243.	6.9	27
16	Component Edge Connectivity of Hypercubes. International Journal of Foundations of Computer Science, 2018, 29, 995-1001.	1.1	25
17	Reliability analysis of the augmented cubes in terms of the extra edge-connectivity and the component edge-connectivity. Journal of Parallel and Distributed Computing, 2021, 147, 124-131.	4.1	25
18	On the -diagnosability of BC networks. Applied Mathematics and Computation, 2013, 225, 366-371.	2.2	24

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19	The generalized 3-connectivity of graph products. Applied Mathematics and Computation, 2017, 295, 77-83.	2.2	24
20	Equal relation between g-good-neighbor diagnosability under the PMC model and g-good-neighbor diagnosability under the MM...	0.9	18
21	The Component Diagnosability of Hypercubes with Large-Scale Faulty Nodes. Computer Journal, 2022, 65, 1129-1143.	2.4	16
22	Fault-tolerant Hamiltonian laceability of Cayley graphs generated by transposition trees. Discrete Mathematics, 2012, 312, 3087-3095.	0.7	13
23	Reliability analysis of subsystem in dual cubes. Theoretical Computer Science, 2020, 816, 249-259.	0.9	13
24	Structure fault tolerance of k-ary n-cube networks. Theoretical Computer Science, 2019, 795, 213-218.	0.9	12
25	Component connectivity of Cayley graphs generated by transposition trees. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 103-110.	1.0	12
26	On super 2-restricted and 3-restricted edge-connected vertex transitive graphs. Discrete Mathematics, 2011, 311, 2683-2689.	0.7	9
27	A Note on Edge-Disjoint Hamilton Cycles in Line Graphs. Graphs and Combinatorics, 2016, 32, 741-744.	0.4	8
28	Embedding planar 5-graphs in three pages. Discrete Applied Mathematics, 2020, 282, 108-121.	0.9	8
29	Collapsible graphs and Hamiltonian connectedness of line graphs. Discrete Applied Mathematics, 2012, 160, 1837-1844.	0.9	6
30	Fault-Tolerant Maximal Local-Connectivity on Cayley Graphs Generated by Transpositions. International Journal of Foundations of Computer Science, 2019, 30, 1301-1315.	1.1	6
31	Every 3-connected essentially 10-connected line graph is Hamilton-connected. Discrete Mathematics, 2012, 312, 3670-3674.	0.7	4
32	The g-Extra Edge-Connectivity of Balanced Hypercubes. Journal of Interconnection Networks, 2021, 21, .	1.0	4
33	Embedding connected double-loop networks with even cardinality in books. Applied Mathematics Letters, 2009, 22, 1458-1461.	2.7	3
34	Hamiltonicity of 3-connected line graphs. Applied Mathematics Letters, 2012, 25, 1835-1838.	2.7	3
35	Number of proper paths in edge-colored hypercubes. Applied Mathematics and Computation, 2018, 332, 420-424.	2.2	3
36	The Generalized Connectivity of Data Center Networks. Parallel Processing Letters, 2019, 29, 1950007.	0.6	3

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37	Fault-Tolerant Maximal Local-Edge-Connectivity of Augmented Cubes. Parallel Processing Letters, 2020, 30, 2040001.	0.6	3
38	Edge fault-tolerance analysis of maximally edge-connected graphs and super edge-connected graphs. Journal of Computer and System Sciences, 2021, 115, 64-72.	1.2	3
39	Charging Path Optimization in Mobile Networks. IEEE/ACM Transactions on Networking, 2022, 30, 2262-2273.	3.8	3
40	On the edge-connectivity of graphs with two orbits of the same size. Discrete Mathematics, 2011, 311, 1768-1777.	0.7	2
41	Collapsible Graphs and Hamiltonicity of Line Graphs. Graphs and Combinatorics, 2014, 30, 501-510.	0.4	2
42	On Cyclic Edge-Connectivity and Super-Cyclic Edge-Connectivity of Double-Orbit Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 13-27.	0.9	2
43	Edge-fault-tolerant bipancyclicity of Cayley graphs generated by transposition-generating trees. International Journal of Computer Mathematics, 2015, 92, 1345-1352.	1.8	1
44	Hamiltonian cycles in spanning subgraphs of line graphs. Discrete Applied Mathematics, 2016, 209, 287-295.	0.9	1
45	A conditional edge connectivity of double-orbit networks. Future Generation Computer Systems, 2018, 83, 445-449.	7.5	1
46	On 3-Regular Subgraphs in Cartesian Product of Paths. Journal of Interconnection Networks, 2018, 18, 1850009.	1.0	1
47	Regular Connected Bipancyclic Spanning Subgraphs of Torus Networks. Parallel Processing Letters, 2018, 28, 1850013.	0.6	1
48	Reliability Analysis of the Generalized Exchanged Hypercube. Parallel Processing Letters, 2020, 30, 2050009.	0.6	1
49	Hybrid Fault Diagnosis Capability Analysis of Highly Connected Graphs. Computer Journal, 2023, 66, 221-228.	2.4	1
50	A Brief Account on the Development and Future Research Directions of Connectivity Properties of Interconnection Networks. Parallel Processing Letters, 2020, 30, 2040009.	0.6	1
51	A stability theorem for maximal C_{2k+1} C_{2k+1}–free graphs. Journal of Graph Theory, 2022, 101, 274-287.	0.9	1
52	The contractible subgraph of 5-connected graphs. Czechoslovak Mathematical Journal, 2013, 63, 671-677.	0.3	0
53	Properties of Chip-Firing Games on Complete Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 1463-1469.	0.9	0
54	Hamiltonian paths in spanning subgraphs of line graphs. Discrete Mathematics, 2017, 340, 1359-1366.	0.7	0

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55	A kind of conditional connectivity of transposition networks generated by k-trees. Discrete Applied Mathematics, 2018, 237, 132-138.	0.9	0
56	A Remark on Rainbow 6-Cycles in Hypercubes. Parallel Processing Letters, 2018, 28, 1850007.	0.6	0
57	Matching Preclusion for Enhanced Pyramid Networks. Journal of Interconnection Networks, 2019, 19, 1940009.	1.0	0
58	How to Contract a Vertex Transitive 5-Connected Graph. Discrete Dynamics in Nature and Society, 2020, 2020, 1-10.	0.9	0
59	Construction of several classes of maximum codes. Discrete Mathematics, Algorithms and Applications, 2022, 14, .	0.6	0
60	Contractible Edges in 3-Connected Cubic Graphs. Parallel Processing Letters, 2021, 31, 2150014.	0.6	0
61	Maintaining Constrained Path Problem for Directed Acyclic Graphs. Journal of Interconnection Networks, 2021, 21, .	1.0	0
62	5-Shredders of Contraction-Critical 5-Connected Graphs. Parallel Processing Letters, 2020, 30, 2040008.	0.6	0
63	The Sufficient Conditions of $(\kappa(G) - 2)$-($|F|$-)Fault-Tolerant Maximal Local-(Edge-)Connectivity of Connected Graphs. Journal of Interconnection Networks, 2022, 22, .	1.0	0
64	A Note on Oct1+-Minor-Free Graphs and Oct2+-Minor-Free Graphs. Journal of Interconnection Networks, 0, , .	1.0	0
65	A survey on book-embedding of planar graphs. Frontiers of Mathematics in China, 2022, 17, 255-273.	0.7	0