

Shuming Zhou

List of Publications by Year in descending order

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83
all docs

83
docs citations

83
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	The Extra Connectivity and Conditional Diagnosability of Alternating Group Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2352-2362.	5.6	78
2	The Extra, Restricted Connectivity and Conditional Diagnosability of Split-Star Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 533-545.	5.6	64
3	The t/k -Diagnosability of Star Graph Networks. IEEE Transactions on Computers, 2015, 64, 547-555.	3.4	57
4	The Extra Connectivity, Extra Conditional Diagnosability, and m -Diagnosability of Arrangement Graphs. IEEE Transactions on Reliability, 2016, 65, 1248-1262.	4.6	52
5	The conditional fault diagnosability of (n,k) -star graphs. Applied Mathematics and Computation, 2012, 218, 9742-9749.	2.2	43
6	Fault diagnosability of arrangement graphs. Information Sciences, 2013, 246, 177-190.	6.9	43
7	The g -good-neighbor diagnosability of (n,k) -star graphs. Theoretical Computer Science, 2017, 659, 53-63.	0.9	41
8	The g -Good-Neighbor Conditional Diagnosability of Arrangement Graphs. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 542-548.	5.4	40
9	Reliability of (n,k) -star network based on g -extra conditional fault. Theoretical Computer Science, 2019, 757, 44-55.	0.9	40
10	Conditional diagnosability of alternating group networks. Information Processing Letters, 2010, 110, 403-409.	0.6	38
11	Conditional diagnosability and strong diagnosability of Split-Star Networks under the PMC model. Theoretical Computer Science, 2015, 562, 565-580.	0.9	38
12	Conditional diagnosability of arrangement graphs under the PMC model. Theoretical Computer Science, 2014, 548, 79-97.	0.9	33
13	The t -Diagnosability for Regular Networks. IEEE Transactions on Computers, 2016, 65, 3157-3170.	3.4	32
14	The relationship between extra connectivity and conditional diagnosability of regular graphs under the PMC model. Journal of Computer and System Sciences, 2018, 95, 1-18.	1.2	32
15	The Reliability Analysis Based on Subsystems of (n,k) -Star Graph. IEEE Transactions on Reliability, 2016, 65, 1700-1709.	4.6	31
16	Relating the extra connectivity and the conditional diagnosability of regular graphs under the comparison model. Theoretical Computer Science, 2016, 618, 21-29.	0.9	31
17	Conditional fault tolerance of arrangement graphs. Information Processing Letters, 2011, 111, 1037-1043.	0.6	27
18	Construction of vertex-disjoint paths in alternating group networks. Journal of Supercomputing, 2010, 54, 206-228.	3.6	26

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19	On conditional fault tolerance and diagnosability of hierarchical cubic networks. Theoretical Computer Science, 2016, 609, 421-433.	0.9	26
20	Communities detection in social network based on local edge centrality. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121552.	2.6	24
21	Fault tolerance and diagnosability of burnt pancake networks under the comparison model. Theoretical Computer Science, 2015, 582, 48-59.	0.9	23
22	Fault diagnosability of data center networks. Theoretical Computer Science, 2019, 776, 138-147.	0.9	21
23	Conditional diagnosability and strong diagnosability of shuffle-cubes under the comparison model. International Journal of Computer Mathematics, 2015, 92, 230-249.	1.8	20
24	The conditional diagnosability of crossed cubes under the comparison model. International Journal of Computer Mathematics, 2010, 87, 3387-3396.	1.8	19
25	CONDITIONAL FAULT DIAGNOSABILITY OF DUAL-CUBES. International Journal of Foundations of Computer Science, 2012, 23, 1729-1747.	1.1	19
26	Fault diagnosability of DQcube under the PMC model. Discrete Applied Mathematics, 2019, 259, 180-192.	0.9	19
27	Conditional fault diagnosis of hierarchical hypercubes. International Journal of Computer Mathematics, 2012, 89, 2152-2164.	1.8	16
28	Fault diagnosability of Bicube networks under the PMC diagnostic model. Theoretical Computer Science, 2021, 851, 14-23.	0.9	16
29	Fault tolerance analysis of hierarchical folded cube. Theoretical Computer Science, 2019, 790, 117-130.	0.9	15
30	Structure and substructure connectivity of alternating group graphs. Applied Mathematics and Computation, 2021, 391, 125639.	2.2	15
31	Reliability measure of multiprocessor system based on enhanced hypercubes. Discrete Applied Mathematics, 2021, 289, 125-138.	0.9	14
32	Reliability analysis of subsystem in dual cubes. Theoretical Computer Science, 2020, 816, 249-259.	0.9	13
33	Hybrid Recovery Strategy Based on Random Terrain in Wireless Sensor Networks. Scientific Programming, 2017, 2017, 1-19.	0.7	12
34	Component connectivity of Cayley graphs generated by transposition trees. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 103-110.	1.0	12
35	On Reliability of Multiprocessor System Based on Star Graph. IEEE Transactions on Reliability, 2020, 69, 715-724.	4.6	12
36	Reliability evaluation of DQcube based on g-good neighbor and g-component fault pattern. Discrete Applied Mathematics, 2021, 305, 179-190.	0.9	12

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37	Reliability Assessment of Multiprocessor System Based on (n,k) -Star Network. IEEE Transactions on Reliability, 2017, 66, 1025-1035.	4.6	10
38	Influential node detection of social networks based on network invulnerability. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126879.	2.1	10
39	Subgraph-based Strong Menger Connectivity of Hypercube and Exchanged Hypercube. International Journal of Foundations of Computer Science, 2021, 32, 305-330.	1.1	10
40	On conditional fault tolerant of dual-cubes. International Journal of Parallel, Emergent and Distributed Systems, 2013, 28, 199-213.	1.0	9
41	A novel sleep scheduling scheme in green wireless sensor networks. Journal of Supercomputing, 2015, 71, 1067-1094.	3.6	9
42	A Kind of Conditional Connectivity of Cayley Graphs Generated by 2-trees. Computer Journal, 2018, 61, 714-721.	2.4	9
43	Component diagnosability in terms of component connectivity of hypercube-based compound networks. Journal of Parallel and Distributed Computing, 2022, 162, 17-26.	4.1	9
44	An $O(\log^2 N)$ algorithm for reliability assessment of augmented cubes based on h -extra edge-connectivity. Journal of Supercomputing, 2022, 78, 6739-6751.	3.6	8
45	Reliability Evaluation of Data Center Network DCell. Parallel Processing Letters, 2018, 28, 1850015.	0.6	7
46	Note on R -conditional diagnosability of hypercube. Theoretical Computer Science, 2021, 849, 197-201.	0.9	7
47	Shapley Distance and Shapley Index for Some Special Graphs. Parallel Processing Letters, 2020, 30, 2050012.	0.6	7
48	An insertion-deletion compensation model with Poisson process for scale-free networks. Future Generation Computer Systems, 2018, 83, 425-430.	7.5	6
49	Reliability Analysis of Subsystem in Balanced Hypercubes. IEEE Access, 2020, 8, 26478-26486.	4.2	6
50	An $O(\log_3 N)$ Algorithm for Reliability Assessment of 3-Ary n -Cubes Based on h -Extra Edge Connectivity. IEEE Transactions on Reliability, 2022, 71, 1230-1240.	4.6	6
51	Restoration Strategy Based on Optimal Relay Node Placement in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 409085.	2.2	6
52	A Straight Skeleton Based Connectivity Restoration Strategy in the Presence of Obstacles for WSNs. Sensors, 2017, 17, 2299.	3.8	5
53	The (g, l) -good-neighbour conditional diagnosability of multiprocessor system based on half hypercube. International Journal of Computer Mathematics: Computer Systems Theory, 2018, 3, 160-176.	1.1	5
54	Characterization of Diagnosabilities on the Bounded PMC Model. Computer Journal, 2020, 63, 1397-1405.	2.4	4

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55	Phase transition in spectral clustering based on resistance matrix. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125598.	2.6	4
56	Conditional Diagnosability of Burnt Pancake Networks Under the PMC Model. <i>Computer Journal</i> , 0, , bxv066.	2.4	3
57	Reliability of Complete Cubic Networks under the Condition of g -Good-Neighbor. <i>Computer Journal</i> , 0, , .	2.4	3
58	Probabilistic diagnosis of clustered faults for hypercube-based multiprocessor system. <i>Theoretical Computer Science</i> , 2019, 793, 113-131.	0.9	3
59	Phase transitions in normalized cut of social networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 3037-3042.	2.1	3
60	Reliability Evaluation of Bicube-Based Multiprocessor System under the g -Good-Neighbor Restriction. <i>Parallel Processing Letters</i> , 2021, 31, .	0.6	3
61	A new metric to quantify influence of nodes in social networks. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950186.	2.0	2
62	Reliability evaluation of complete cubic networks. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2020, 35, 42-56.	1.0	2
63	Persistence of Hybrid Diagnosability of Regular Networks Under Testing Diagnostic Model. <i>Computer Journal</i> , 2021, 64, 1401-1411.	2.4	2
64	Reliability analysis of the cactus-based networks. <i>Theoretical Computer Science</i> , 2021, 888, 95-107.	0.9	2
65	Identifying key nodes in interdependent networks based on Supra-Laplacian energy. <i>Journal of Computational Science</i> , 2022, 61, 101657.	2.9	2
66	The Cayley network of expanded Pancake graphs. <i>International Journal of Computer Mathematics</i> , 2005, 82, 1371-1378.	1.8	1
67	Intermittent Fault Diagnosability of Some General Regular Networks. <i>Computer Journal</i> , 0, , .	2.4	1
68	The h -Restricted Connectivity of a Class of Hypercube-Based Compound Networks. <i>Computer Journal</i> , 0, , .	2.4	1
69	The g -component connectivity of graphs. <i>Theoretical Computer Science</i> , 2021, 889, 96-104.	0.9	1
70	A New Measure of Network Robustness: Network Cluster Entropy. <i>Communications in Computer and Information Science</i> , 2021, , 175-191.	0.5	1
71	Novel Resistive Distance Descriptors on Complex Network. <i>IEEE Access</i> , 2022, 10, 14548-14563.	4.2	1
72	Reliability of Divide-and-Swap Cube Based on r -Component Connectivity and Diagnosability. <i>Journal of Interconnection Networks</i> , 2022, 22, .	1.0	1

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73	Vulnerability analysis of multiprocessor system based on burnt pancake networks. Discrete Applied Mathematics, 2022, 314, 304-320.	0.9	1
74	Cluster Connectivity And Super Cluster Connectivity Of DQcube. Computer Journal, 2023, 66, 826-841.	2.4	1
75	Fault-Tolerant Strong Menger (Edge) Connectivity of DCC Linear Congruential Graphs. International Journal of Foundations of Computer Science, 2022, 33, 1019-1032.	1.1	1
76	Assemblies of Software Components. , 2009, , .		0
77	A Note of Independent Number and Domination Number of $Q_{n,k,m}$ -Graph. Parallel Processing Letters, 2019, 29, 1950011.	0.6	0
78	Reliability and conditional diagnosability of hyper bijective connection networks. International Journal of Computer Mathematics: Computer Systems Theory, 2020, 5, 25-47.	1.1	0
79	The Hermitian Kirchhoff Index and Robustness of Mixed Graph. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	0
80	Conditional Diagnosability of Complete Josephus Cubes. Lecture Notes in Computer Science, 2013, , 220-231.	1.3	0
81	Extra (component) connectivity and diagnosability of bubble sort networks. , 2021, , .		0
82	Subgraph reliability of the cactus-based networks. , 2021, , .		0
83	The Component (Edge) Connectivity of Round Matching Composition Networks. International Journal of Foundations of Computer Science, 0, , 1-14.	1.1	0