

# Shiying Wang

## List of Publications by Year in descending order

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57  
papers

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citations

516215

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h-index

552369

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g-index

58  
all docs

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docs citations

58  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2-Extra Connectivity and 2-Extra Diagnosability of Bubble-Sort Star Graph Networks. Computer Journal, 2016, 59, 1839-1856.	1.5	67
2	The g-good-neighbor conditional diagnosability of n-dimensional hypercubes under the MM $\tilde{Z}$ model. Information Processing Letters, 2016, 116, 574-577.	0.4	58
3	Matching preclusion for $k$ -ary $n$ -cubes. Discrete Applied Mathematics, 2010, 158, 2066-2070.	0.5	55
4	The 1-good-neighbour diagnosability of Cayley graphs generated by transposition trees under the PMC model and MM $\tilde{Z}$ model. International Journal of Computer Mathematics, 2017, 94, 620-631.	1.0	47
5	The 2-good-neighbor diagnosability of Cayley graphs generated by transposition trees under the PMC model and MM $\tilde{Z}$ model. Theoretical Computer Science, 2016, 628, 92-100.	0.5	45
6	The 2-good-neighbor (2-extra) diagnosability of alternating group graph networks under the PMC model and MM $\tilde{Z}$ model. Applied Mathematics and Computation, 2017, 305, 241-250.	1.4	43
7	The 2-good-neighbor connectivity and 2-good-neighbor diagnosability of bubble-sort star graph networks. Discrete Applied Mathematics, 2017, 217, 691-706.	0.5	40
8	The g-extra connectivity and diagnosability of crossed cubes. Applied Mathematics and Computation, 2018, 336, 60-66.	1.4	38
9	On g-extra conditional diagnosability of hypercubes and folded hypercubes. Theoretical Computer Science, 2017, 704, 62-73.	0.5	29
10	Sufficient conditions for super $k$ -restricted edge connectivity in graphs of diameter 2. Discrete Mathematics, 2009, 309, 908-919.	0.4	27
11	Conditional connectivity of star graph networks under embedding restriction. Information Sciences, 2012, 199, 187-192.	4.0	27
12	The g-good-neighbor and g-extra diagnosability of networks. Theoretical Computer Science, 2019, 773, 107-114.	0.5	26
13	Many-to-many disjoint path covers in $k$ -ary $n$ -cubes. Theoretical Computer Science, 2013, 491, 103-118.	0.5	23
14	The h-extra connectivity of $k$ -ary $n$ -cubes. Theoretical Computer Science, 2019, 784, 21-45.	0.5	22
15	The g-good-neighbor diagnosability of locally twisted cubes. Theoretical Computer Science, 2017, 697, 91-97.	0.5	21
16	The Tightly Super 2-extra Connectivity and 2-extra Diagnosability of Locally Twisted Cubes. Journal of Interconnection Networks, 2017, 17, 1750006.	0.6	18
17	The 1-good-neighbor connectivity and diagnosability of Cayley graphs generated by complete graphs. Discrete Applied Mathematics, 2018, 246, 108-118.	0.5	18
18	Some Properties of the $(g, g)$ -Good-Neighbor ( $(g, g)$ -Extra) Diagnosability of a Multiprocessor System. American Journal of Computational Mathematics, 2016, 06, 259-266.	0.2	13

#	ARTICLE	IF	CITATIONS
19	Conditional fault tolerance in a class of Cayley graphs. International Journal of Computer Mathematics, 2016, 93, 67-82.	1.0	12
20	g-good-neighbor conditional diagnosability of star graph networks under PMC model and MM* model. Frontiers of Mathematics in China, 2017, 12, 1221-1234.	0.4	12
21	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/co	0.4	11
22	Strong matching preclusion for torus networks. Theoretical Computer Science, 2014, 520, 97-110.	0.5	8
23	The connectivity and nature diagnosability of expandedk-aryn-cubes. RAIRO - Theoretical Informatics and Applications, 2017, 51, 71-89.	0.5	8
24	The $h$ -Extra Connectivity and Diagnosability of Locally Twisted Cubes. IEEE Access, 2019, 7, 102113-102118.	2.6	8
25	The 2-Extra Diagnosability of Alternating Group Graphs under the PMC Model and MM* Model. American Journal of Computational Mathematics, 2018, 08, 42-54.	0.2	8
26	Edge Fault Tolerance of Cartesian Product Graphs on Super Restricted Edge Connectivity. Computer Journal, 2018, 61, 761-772.	1.5	7
27	The strong connectivity of bubble-sort star graphs. Computer Journal, 2019, 62, 715-729.	1.5	7
28	The Tightly Super 3-Extra Connectivity and Diagnosability of Locally Twisted Cubes. American Journal of Computational Mathematics, 2017, 07, 127-144.	0.2	7
29	Strong matching preclusion for two-dimensional torus networks. International Journal of Computer Mathematics, 2015, 92, 473-485.	1.0	6
30	g-Good-Neighbor Diagnosability of Arrangement Graphs under the PMC Model and MM* Model. Information (Switzerland), 2018, 9, 275.	1.7	6
31	The $r$ -Restricted Connectivity of Hyper Petersen Graphs. IEEE Access, 2019, 7, 109539-109543.	2.6	5
32	The Diagnosability of Wheel Networks with Missing Edges under the Comparison Model. Mathematics, 2020, 8, 1818.	1.1	5
33	The diagnosability of MÃ¶bius cubes for the g-extra condition. Theoretical Computer Science, 2022, 908, 76-88.	0.5	5
34	Degree conditions for graphs to be maximally k-restricted edge connected and super k-restricted edge connected. Discrete Applied Mathematics, 2015, 184, 258-263.	0.5	4
35	A Note on the Nature Diagnosability of Alternating Group Graphs Under the PMC Model and MM* Model. Journal of Interconnection Networks, 2018, 18, 1850005.	0.6	4
36	Diagnosability of arrangement graphs with missing edges under the MM* model. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 69-80.	0.7	4

#	ARTICLE	IF	CITATIONS
37	The g-Extra Conditional Diagnosability of Graphs in Terms of g-Extra Connectivity. Parallel Processing Letters, 2020, 30, 2040006.	0.4	4
38	A sufficient condition for graphs to be super k-restricted edge connected. Discussiones Mathematicae - Graph Theory, 2017, 37, 537.	0.2	4
39	Diagnosability of Bubble-Sort Star Graphs with Missing Edges. Journal of Interconnection Networks, 2019, 19, 1950002.	0.6	3
40	The 1-Good-Neighbor Diagnosability of Alternating Group Graph Networks Under the PMC Model and MM* Model. Recent Patents on Computer Science, 2017, 10, .	0.5	3
41	Reliability analysis of godan graphs. Discrete Applied Mathematics, 2022, 307, 180-190.	0.5	3
42	Diagnosability of Bubble-Sort Graph Networks under the Comparison Diagnosis Model. , 2015, , .		2
43	The g-Good-Neighbor Diagnosability of Bubble-Sort Graphs under Preparata, Metzger, and Chien's (PMC) Model and Maeng and Malek's (MM)* Model. Information (Switzerland), 2019, 10, 21.	1.7	2
44	Diagnosability of expanded $k$ -ary $n$ -cubes with missing edges under the comparison model. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 16-28.	0.7	2
45	The 2-good-neighbour diagnosability of modified bubble-sort graphs under the PMC and MM* model. Systems Science and Control Engineering, 2020, 8, 258-264.	1.8	2
46	Sufficient Conditions for Maximally $k$ -Isoperimetric Edge Connectivity of Graphs. International Journal of Foundations of Computer Science, 2015, 26, 583-598.	0.8	1
47	The Edge Connectivity of Expanded $k$ -ary $n$ -Cubes. Discrete Dynamics in Nature and Society, 2018, 2018, 1-7.	0.5	1
48	The Two-Good-Neighbor Connectivity and Diagnosability of the Augmented Three-Ary $n$ -Cubes. Computer Journal, 0, , .	1.5	1
49	A short note on strong local diagnosability property of exchanged hypercubes under the comparison model. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 9-15.	0.7	1
50	The r-Extra Diagnosability of Hyper Petersen Graphs. International Journal of Foundations of Computer Science, 0, , 1-12.	0.8	1
51	The Matching Preclusion of Enhanced Hypercubes. Computer Journal, 2022, 65, 1874-1890.	1.5	1
52	Connectivity and diagnosability of center $k$ -ary $n$ -cubes. Discrete Applied Mathematics, 2021, 294, 98-107.	0.5	1
53	Connectivity and Nature Diagnosability of Leaf-Sort Graphs. Journal of Interconnection Networks, 2020, 20, 2050011.	0.6	1
54	Unchanging the diameter of $k$ -ary $n$ -cube networks with faulty vertices. International Journal of Computer Mathematics, 2015, 92, 15-28.	1.0	0

#	ARTICLE	IF	CITATIONS
55	Vertex-Disjoint Paths in a 3-Ary $n$ -Cube with Faulty Vertices. Mathematical Problems in Engineering, 2020, 2020, 1-14.	0.6	0
56	Connectivity and Diagnosability of Leaf-Sort Graphs. Parallel Processing Letters, 2020, 30, 2040004.	0.4	0
57	The Local Diagnosability of Folded Hypercubes with Conditional Faulty Edges Under the PMC Model. Journal of Interconnection Networks, 0, , .	0.6	0