

Xiaoyan Zhang

List of Publications by Year in descending order

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33
papers

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1684188

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Image Encryption Scheme Based on Balanced Two-Dimensional Cellular Automata. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	1.1	16
2	A PTAS for minimum weighted connected vertex cover P_3 problem in 3-dimensional wireless sensor networks. <i>Journal of Combinatorial Optimization</i> , 2017, 33, 106-122.	1.3	15
3	Directed Hamilton Cycles in Digraphs and Matching Alternating Hamilton Cycles in Bipartite Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2013, 27, 274-289.	0.8	10
4	Strong subgraph k -connectivity. <i>Journal of Graph Theory</i> , 2019, 92, 5-18.	0.9	10
5	Maximization problems of balancing submodular relevance and supermodular diversity. <i>Journal of Global Optimization</i> , 2022, 82, 179-194.	1.8	6
6	An SDP randomized approximation algorithm for max hypergraph cut with limited unbalance. <i>Science China Mathematics</i> , 2014, 57, 2437-2462.	1.7	5
7	Convergence and correctness of belief propagation for the Chinese postman problem. <i>Journal of Global Optimization</i> , 2019, 75, 813-831.	1.8	5
8	Approximation algorithm for a generalized Roman domination problem in unit ball graphs. <i>Journal of Combinatorial Optimization</i> , 2020, 39, 138-148.	1.3	3
9	Randomized selection algorithm for online stochastic unrelated machines scheduling. <i>Journal of Combinatorial Optimization</i> , 2022, 44, 1796-1811.	1.3	3
10	Hamiltonicity, pancyclicity, and full cycle extendability in multipartite tournaments. <i>Journal of Graph Theory</i> , 2021, 96, 171-191.	0.9	3
11	Note on the Vertex-Rainbow Index of a Graph. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2021, 44, 2957-2969.	0.9	3
12	Approximation Algorithms for General Cluster Routing Problem. <i>Lecture Notes in Computer Science</i> , 2020, , 472-483.	1.3	3
13	Minimum Size of n -Factor-Critical Graphs and k -Extendable Graphs. <i>Graphs and Combinatorics</i> , 2012, 28, 433-448.	0.4	2
14	Extremal and Degree Conditions for Path Extendability in Digraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2017, 31, 1990-2014.	0.8	2
15	Two-Stage Submodular Maximization Problem Beyond Non-negative and Monotone. <i>Lecture Notes in Computer Science</i> , 2020, , 144-155.	1.3	2
16	Iterative Message Passing Algorithm for Vertex-Disjoint Shortest Paths. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 3870-3878.	2.4	2
17	Delay Optimization Via Packet Scheduling for Multi-Path Routing in Wireless Networks. <i>Wireless Personal Communications</i> , 2015, 82, 2637-2654.	2.7	1
18	ISOLATED SCATTERING NUMBER OF SPLIT GRAPHS AND GRAPH PRODUCTS. <i>ANZIAM Journal</i> , 2017, 58, 350-358.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Solutions to All-Colors Problem on Graph Cellular Automata. Complexity, 2019, 2019, 1-11.	1.6	1
20	Computing the Weighted Isolated Scattering Number of Interval Graphs in Polynomial Time. Complexity, 2019, 2019, 1-8.	1.6	1
21	Randomized mechanism design for decentralized network scheduling. Optimization Methods and Software, 2020, 35, 722-740.	2.4	1
22	Computation and algorithm for the minimum k-edge-connectivity of graphs. Journal of Combinatorial Optimization, 2022, 44, 1741-1752.	1.3	1
23	Approximation algorithms for stochastic set cover and single sink rent-or-buy with submodular penalty. Journal of Combinatorial Optimization, 2022, 44, 2626-2641.	1.3	1
24	Two-Stage Submodular Maximization Under Curvature. Lecture Notes in Computer Science, 2021, , 25-34.	1.3	1
25	Convergence and correctness of belief propagation for weighted min-max flow. Discrete Applied Mathematics, 2022, , .	0.9	1
26	A distributed message passing algorithm for the capacitated directed Chinese postman problem. Computers and Electrical Engineering, 2022, 99, 107755.	4.8	1
27	Distributed Approximation Algorithms for Spectrum Allocation in Wireless ad Hoc Networks. Mobile Networks and Applications, 2016, 21, 962-973.	3.3	0
28	Polynomial algorithms for computing the isolated toughness of interval and split graphs. Concurrency Computation Practice and Experience, 0, , e6345.	2.2	0
29	Approximation algorithms with constant ratio for general cluster routing problems. Journal of Combinatorial Optimization, 0, , 1.	1.3	0
30	Demo: Resource Allocation for Wafer-Scale Deep Learning Accelerator. , 2021, , .		0
31	Two-stage submodular maximization problem beyond nonnegative and monotone. Mathematical Structures in Computer Science, 0, , 1-16.	0.6	0
32	A maximum hypergraph 3-cut problem with limited unbalance: approximation and analysis. Journal of Global Optimization, 0, , .	1.8	0
33	A Two-Stage Method for Routing in Field-Programmable Gate Arrays with Time-Division Multiplexing. Tsinghua Science and Technology, 2022, 27, 902-911.	6.1	0