Vladimir Boginski

List of Publications by Year
in descending order

41 papers	1,197 citations	623188 14 h-index	395343 33 g-index
42 all docs	42 docs citations	42 times ranked	840 citing authors

#	Article	IF	Citations
1	Continuous cubic formulations for cluster detection problems in networks. Mathematical Programming, 2022, 196, 279-307.	1.6	3
2	On integer programming models for the maximum 2-club problem and its robust generalizations in sparse graphs. European Journal of Operational Research, 2022, 297, 86-101.	3.5	2
3	Networks of causal relationships in the U.S. stock market. Dependence Modeling, 2022, 10, 177-190.	0.2	0
4	Failure Mitigation and Restoration in Interdependent Networks via Mixed-Integer Optimization. IEEE Transactions on Network Science and Engineering, 2021, 8, 1293-1304.	4.1	6
5	Networks of materials: Construction and structural analysis. AICHE Journal, 2021, 67, e17051.	1.8	2
6	On the maximum small-world subgraph problem. European Journal of Operational Research, 2020, 280, 818-831.	3.5	3
7	A Cutting Plane Method for Least Cost Influence Maximization. Lecture Notes in Computer Science, 2020, , 499-511.	1.0	4
8	Critical Nodes in River Networks. Scientific Reports, 2019, 9, 11178.	1.6	64
9	A cutting plane method for risk-constrained traveling salesman problem with random arc costs. Journal of Global Optimization, 2019, 74, 839-859.	1.1	3
10	Critical nodes in interdependent networks with deterministic and probabilistic cascading failures. Journal of Global Optimization, 2019, 74, 803-838.	1.1	8
11	On maximum degreeâ€based â€quasiâ€clique problem: Complexity and exact approaches. Networks, 2018, 71, 136-152.	1.6	18
12	A DC programming approach for solving multicast network design problems via the Nesterov smoothing technique. Journal of Global Optimization, 2018, 72, 705-729.	1.1	4
13	A simple greedy heuristic for linear assignment interdiction. Annals of Operations Research, 2017, 249, 39-53.	2.6	5
14	New analytical lower bounds on the clique number of a graph. Optimization Methods and Software, 2017, 32, 336-368.	1.6	1
15	The Minimum Spanning <i>k</i>-Core Problem with Bounded CVaR Under Probabilistic Edge Failures. INFORMS Journal on Computing, 2016, 28, 295-307.	1.0	5
16	Special issue on optimization in military applications. Optimization Letters, 2015, 9, 1475-1476.	0.9	2
17	Potential energy principles in networked systems and their connections to optimization problems on graphs. Optimization Letters, 2015, 9, 585-600.	0.9	3
18	Minimum edge blocker dominating set problem. European Journal of Operational Research, 2015, 247, 16-26.	3.5	14

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19	Analytical characterizations of some classes of optimal strongly attack-tolerant networks and their Laplacian spectra. Journal of Global Optimization, 2015, 61, 109-138.	1.1	1
20	Minimum vertex blocker clique problem. Networks, 2014, 64, 48-64.	1.6	37
21	Optimization of discrete broadcast under uncertainty using conditional value-at-risk. Optimization Letters, 2014, 8, 45-59.	0.9	3
22	Minimum vertex cover problem for coupled interdependent networks with cascading failures. European Journal of Operational Research, 2014, 232, 499-511.	3.5	29
23	On connected dominating sets of restricted diameter. European Journal of Operational Research, 2014, 236, 410-418.	3.5	13
24	Optimal design and augmentation of strongly attack-tolerant two-hop clusters in directed networks. Journal of Combinatorial Optimization, 2014, 27, 462-486.	0.8	6
25	Exact identification of critical nodes in sparse networks via new compact formulations. Optimization Letters, 2014, 8, 1245-1259.	0.9	75
26	A network-based data mining approach to portfolio selection via weighted clique relaxations. Annals of Operations Research, 2014, 216, 23-34.	2.6	28
27	Finding maximum subgraphs with relatively large vertex connectivity. European Journal of Operational Research, 2014, 239, 349-362.	3.5	16
28	A note on transmission switching in electric grids with uncertain line failures. Energy Systems, 2013, 4, 419-430.	1.8	3
29	Topology design for on-demand dual-path routing in wireless networks. Optimization Letters, 2013, 7, 695-707.	0.9	3
30	Computational study of the US stock market evolution: a rank correlation-based network model. Computational Management Science, 2013, 10, 81-103.	0.8	29
31	Computational risk management techniques for fixed charge network flow problems with uncertain arc failures. Journal of Combinatorial Optimization, 2013, 25, 99-122.	0.8	11
32	On the maximum quasi-clique problem. Discrete Applied Mathematics, 2013, 161, 244-257.	0.5	83
33	Dense Percolation in Large-Scale Mean-Field Random Networks Is Provably "Explosive". PLoS ONE, 2012, 7, e51883.	1.1	6
34	Identifying large robust network clusters via new compact formulations of maximum k-club problems. European Journal of Operational Research, 2012, 218, 316-326.	3.5	59
35	Differentiation of Closely Related Isomers: Application of Data Mining Techniques in Conjunction with Variable Wavelength Infrared Multiple Photon Dissociation Mass Spectrometry for Identification of Glucose-Containing Disaccharide Ions. Analytical Chemistry, 2011, 83, 8468-8476.	3.2	24
36	Robust multi-sensor scheduling for multi-site surveillance. Journal of Combinatorial Optimization, 2011, 22, 35-51.	0.8	8

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37	Mathematical Programming Techniques for Sensor Networks. Algorithms, 2009, 2, 565-581.	1.2	18
38	Identifying Critical Nodes in Protein-Protein Interaction Networks. , 2009, , 153-167.		40
39	Mining market data: A network approach. Computers and Operations Research, 2006, 33, 3171-3184.	2.4	219
40	Statistical analysis of financial networks. Computational Statistics and Data Analysis, 2005, 48, 431-443.	0.7	321
41	Network models of massive datasets. Computer Science and Information Systems, 2004, 1, 75-89.	0.7	15