

Vladimir Boginski

List of Publications by Year in descending order

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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	Statistical analysis of financial networks. Computational Statistics and Data Analysis, 2005, 48, 431-443.	0.7	321
2	Mining market data: A network approach. Computers and Operations Research, 2006, 33, 3171-3184.	2.4	219
3	On the maximum quasi-clique problem. Discrete Applied Mathematics, 2013, 161, 244-257.	0.5	83
4	Exact identification of critical nodes in sparse networks via new compact formulations. Optimization Letters, 2014, 8, 1245-1259.	0.9	75
5	Critical Nodes in River Networks. Scientific Reports, 2019, 9, 11178.	1.6	64
6	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
7	Identifying Critical Nodes in Protein-Protein Interaction Networks. , 2009, , 153-167.		40
8	Minimum vertex blocker clique problem. Networks, 2014, 64, 48-64.	1.6	37
9	Computational study of the US stock market evolution: a rank correlation-based network model. Computational Management Science, 2013, 10, 81-103.	0.8	29
10	Minimum vertex cover problem for coupled interdependent networks with cascading failures. European Journal of Operational Research, 2014, 232, 499-511.	3.5	29
11	A network-based data mining approach to portfolio selection via weighted clique relaxations. Annals of Operations Research, 2014, 216, 23-34.	2.6	28
12	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
13	Mathematical Programming Techniques for Sensor Networks. Algorithms, 2009, 2, 565-581.	1.2	18
14	On maximum degree-based "quasi"clique problem: Complexity and exact approaches. Networks, 2018, 71, 136-152.	1.6	18
15	Finding maximum subgraphs with relatively large vertex connectivity. European Journal of Operational Research, 2014, 239, 349-362.	3.5	16
16	Network models of massive datasets. Computer Science and Information Systems, 2004, 1, 75-89.	0.7	15
17	Minimum edge blocker dominating set problem. European Journal of Operational Research, 2015, 247, 16-26.	3.5	14
18	On connected dominating sets of restricted diameter. European Journal of Operational Research, 2014, 236, 410-418.	3.5	13

#	ARTICLE	IF	CITATIONS
19	Computational risk management techniques for fixed charge network flow problems with uncertain arc failures. <i>Journal of Combinatorial Optimization</i> , 2013, 25, 99-122.	0.8	11
20	Robust multi-sensor scheduling for multi-site surveillance. <i>Journal of Combinatorial Optimization</i> , 2011, 22, 35-51.	0.8	8
21	Critical nodes in interdependent networks with deterministic and probabilistic cascading failures. <i>Journal of Global Optimization</i> , 2019, 74, 803-838.	1.1	8
22	Dense Percolation in Large-Scale Mean-Field Random Networks Is Provably "Explosive". <i>PLoS ONE</i> , 2012, 7, e51883.	1.1	6
23	Optimal design and augmentation of strongly attack-tolerant two-hop clusters in directed networks. <i>Journal of Combinatorial Optimization</i> , 2014, 27, 462-486.	0.8	6
24	Failure Mitigation and Restoration in Interdependent Networks via Mixed-Integer Optimization. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1293-1304.	4.1	6
25	The Minimum Spanning k -Core Problem with Bounded CVaR Under Probabilistic Edge Failures. <i>INFORMS Journal on Computing</i> , 2016, 28, 295-307.	1.0	5
26	A simple greedy heuristic for linear assignment interdiction. <i>Annals of Operations Research</i> , 2017, 249, 39-53.	2.6	5
27	A DC programming approach for solving multicast network design problems via the Nesterov smoothing technique. <i>Journal of Global Optimization</i> , 2018, 72, 705-729.	1.1	4
28	A Cutting Plane Method for Least Cost Influence Maximization. <i>Lecture Notes in Computer Science</i> , 2020, , 499-511.	1.0	4
29	A note on transmission switching in electric grids with uncertain line failures. <i>Energy Systems</i> , 2013, 4, 419-430.	1.8	3
30	Topology design for on-demand dual-path routing in wireless networks. <i>Optimization Letters</i> , 2013, 7, 695-707.	0.9	3
31	Optimization of discrete broadcast under uncertainty using conditional value-at-risk. <i>Optimization Letters</i> , 2014, 8, 45-59.	0.9	3
32	Potential energy principles in networked systems and their connections to optimization problems on graphs. <i>Optimization Letters</i> , 2015, 9, 585-600.	0.9	3
33	A cutting plane method for risk-constrained traveling salesman problem with random arc costs. <i>Journal of Global Optimization</i> , 2019, 74, 839-859.	1.1	3
34	On the maximum small-world subgraph problem. <i>European Journal of Operational Research</i> , 2020, 280, 818-831.	3.5	3
35	Continuous cubic formulations for cluster detection problems in networks. <i>Mathematical Programming</i> , 2022, 196, 279-307.	1.6	3
36	Special issue on optimization in military applications. <i>Optimization Letters</i> , 2015, 9, 1475-1476.	0.9	2

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37	Networks of materials: Construction and structural analysis. <i>AICHE Journal</i> , 2021, 67, e17051.	1.8	2
38	On integer programming models for the maximum 2-club problem and its robust generalizations in sparse graphs. <i>European Journal of Operational Research</i> , 2022, 297, 86-101.	3.5	2
39	Analytical characterizations of some classes of optimal strongly attack-tolerant networks and their Laplacian spectra. <i>Journal of Global Optimization</i> , 2015, 61, 109-138.	1.1	1
40	New analytical lower bounds on the clique number of a graph. <i>Optimization Methods and Software</i> , 2017, 32, 336-368.	1.6	1
41	Networks of causal relationships in the U.S. stock market. <i>Dependence Modeling</i> , 2022, 10, 177-190.	0.2	0