

Austin Buchanan

List of Publications by Year in descending order

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153
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the Maximum Clique and Vertex Coloring Problems on Very Large Sparse Networks. INFORMS Journal on Computing, 2015, 27, 164-177.	1.7	43
2	Imposing Contiguity Constraints in Political Districting Models. Operations Research, 2022, 70, 867-892.	1.9	26
3	An Integer Programming Approach for Fault-Tolerant Connected Dominating Sets. INFORMS Journal on Computing, 2015, 27, 178-188.	1.7	25
4	On imposing connectivity constraints in integer programs. Mathematical Programming, 2017, 166, 241-271.	2.4	24
5	Why Is Maximum Clique Often Easy in Practice?. Operations Research, 2020, 68, 1866-1895.	1.9	18
6	Solving maximum clique in sparse graphs: an $O(nm+n^{2\lceil d/4 \rceil})$ algorithm for d -degenerate graphs. Optimization Letters, 2014, 8, 1611-1617.	1.6	16
7	On connected dominating sets of restricted diameter. European Journal of Operational Research, 2014, 236, 410-418.	5.7	13
8	Algorithms for node-weighted Steiner tree and maximum weight connected subgraph. Networks, 2018, 72, 238-248.	2.7	11
9	On provably best construction heuristics for hard combinatorial optimization problems. Networks, 2016, 67, 238-245.	2.7	9
10	Parsimonious formulations for low-diameter clusters. Mathematical Programming Computation, 2020, 12, 493-528.	4.8	8
11	Political districting to minimize cut edges. Mathematical Programming Computation, 2022, 14, 623-672.	4.8	8
12	A Bayesian framework for functional calibration of expensive computational models through non-isometric matching. IISE Transactions, 2021, 53, 352-364.	2.4	7
13	Solving the Distance-Based Critical Node Problem. INFORMS Journal on Computing, 2022, 34, 1309-1326.	1.7	7
14	A note on a linear programming model for the minimum spanning tree problem in planar graphs. Networks, 2019, 73, 135-142.	2.7	6
15	Extended formulations for vertex cover. Operations Research Letters, 2016, 44, 374-378.	0.7	4
16	Continuous cubic formulations for cluster detection problems in networks. Mathematical Programming, 2022, 196, 279-307.	2.4	3
17	The Optimal Design of Low-Latency Virtual Backbones. INFORMS Journal on Computing, 0, , .	1.7	2
18	Worst-case analysis of clique MIPs. Mathematical Programming, 0, , 1.	2.4	2