Igor Vasilyev

List of Publications by Year
in descending order

39 papers	**752** citations

706676

14 h-index	

591227

27 g-index	

39 all docs	**39** docs citations
39 times ranked	**665** citing authors

#	Article	IF	Citations
1	Multiple Project Scheduling for a Network Roll-Out Problem: MIP Formulation and Heuristic. Lecture Notes in Computer Science, 2022, , 123-136.	1.0	2
2	Near-optimal large-scale k-medoids clustering. Information Sciences, 2021, 545, 344-362.	4.0	43
3	Fast Heuristic Algorithms for the Multiple Strip Packing Problem. Communications in Computer and Information Science, 2021, , 284-297.	0.4	1
4	Integer Programming Approach to the Data Traffic Paths Recovering Problem. Lecture Notes in Computer Science, 2020, , 455-469.	1.0	0
5	Locating Facilities Under Deliberate Disruptive Attacks. Lecture Notes in Computer Science, 2020, , 359-372.	1.0	0
6	An effective heuristic for large-scale fault-tolerant k-median problem. Soft Computing, 2019, 23, 2959-2967.	2.1	6
7	A three‐stage p‐median based exact method for the optimal diversity management problem. Networks, 2019, 74, 174-189.	1.6	15
8	A Local Branching MIP Heuristic for a Real-World Curriculum-Based Course Timetabling Problem. Communications in Computer and Information Science, 2019, , 438-451.	0.4	1
9	A Computational Comparison of Parallel and Distributed K-median Clustering Algorithms on Large-Scale Image Data. Communications in Computer and Information Science, 2019, , 119-130.	0.4	1
10	Bi-level and Bi-objective p-Median Type Problems for Integrative Clustering: Application to Analysis of Cancer Gene-Expression and Drug-Response Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 46-59.	1.9	5
11	Time-Indexed Formulations for the Runway Scheduling Problem. Transportation Science, 2017, 51, 1196-1209.	2.6	30
12	A Shared Memory Parallel Heuristic Algorithm for the Large-Scale p-Median Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 295-302.	0.1	3
13	A branch and cut heuristic for a runway scheduling problem. Automation and Remote Control, 2016, 77, 1985-1993.	0.4	3
14	An implementation of exact knapsack separation. Journal of Global Optimization, 2016, 66, 127-150.	1.1	7
15	Threshold robustness in discrete facility location problems: a bi-objective approach. Optimization Letters, 2015, 9, 1297-1314.	0.9	12
16	New computational results with an exact knapsack separation procedure for structured Binary Integer Programming problems. , 2013, , .		1
17	Polyhedral study of simple plant location problem with order. Operations Research Letters, 2013, 41, 153-158.	0.5	14
18	Lifted and Local Reachability Cuts for the Vehicle Routing Problem with Time Windows. Computers and Operations Research, 2013, 40, 2004-2010.	2.4	8

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19	A Branch-and-Cut Algorithm for the Multilevel Generalized Assignment Problem. IEEE Access, 2013, 1, 475-479.	2.6	13
20	The dispatching problem on multitrack territories: Heuristic approaches based on mixed integer linear programming. Networks, 2013, 62, 315-326.	1.6	22
21	Computational Testing of a Separation Procedure for the Knapsack Set with a Single Continuous Variable. INFORMS Journal on Computing, 2012, 24, 165-171.	1.0	8
22	An aggregation heuristic for large scale p-median problem. Computers and Operations Research, 2012, 39, 1625-1632.	2.4	57
23	A computational study of a nonlinear minsum facility location problem. Computers and Operations Research, 2012, 39, 2625-2633.	2.4	11
24	The branch and cut method for the facility location problem with client's preferences. Journal of Applied and Industrial Mathematics, 2010, 4, 441-454.	0.1	29
25	A computational study of exact knapsack separation for the generalized assignment problem. Computational Optimization and Applications, 2010, 45, 543-555.	0.9	79
26	An effective heuristic for large-scale capacitated facility location problems. Journal of Heuristics, 2009, 15, 597-615.	1.1	44
27	Computational experience with general cutting planes for the Set Covering problem. Operations Research Letters, 2009, 37, 16-20.	0.5	20
28	A cutting plane method for knapsack polytope. Journal of Computer and Systems Sciences International, 2009, 48, 70-77.	0.2	3
29	New lower bounds for the facility location problem with clients' preferences. Computational Mathematics and Mathematical Physics, 2009, 49, 1010-1020.	0.2	25
30	A grid-aware MIP solver: Implementation and case studies. Future Generation Computer Systems, 2008, 24, 133-141.	4.9	9
31	A Cut and Branch Approach for the Capacitated p-Median Problem Based on Fenchel Cutting Planes. Mathematical Modelling and Algorithms, 2008, 7, 43-58.	0.5	35
32	Automatic defects classification with p-median clustering technique. , 2008, , .		4
33	A computational study of local search algorithms for Italian high-school timetabling. Journal of Heuristics, 2007, 13, 543-556.	1.1	31
34	Computational study of large-scale p-Median problems. Mathematical Programming, 2007, 109, 89-114.	1.6	138
35	A decomposition approach for a very large scale optimal diversity management problem. 4or, 2005, 3, 23-37.	1.0	13
36	A Computational Study of a Cutting Plane Algorithm for University Course Timetabling. Journal of Scheduling, 2005, 8, 497-514.	1.3	39

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37	A Branch-and-Cut Algorithm for the Median-Path Problem. Computational Optimization and Applications, 2005, 32, 215-230.	0.9	10
38	A Grid-Aware Branch, Cut and Price Implementation. Lecture Notes in Computer Science, 2005, , 38-47.	1.0	3
39	A heuristic for large-scale p-median instances. Electronic Notes in Discrete Mathematics, 2003, 13, 14-17.	0.4	7