Mikhail V Batsyn

List of Publications by Year
in descending order

25 papers	272 citations	10 h-index	16 g-index
29 all docs	29 docs citations	29 times ranked	230 citing authors

#	Article	IF	Citations
1	Improvements to MCS algorithm for the maximum clique problem. Journal of Combinatorial Optimization, 2014, 27, 397-416.	1.3	45
2	Dynamics of cluster structures in a financial market network. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 523-533.	2.6	35
3	Infra-chromatic bound for exact maximum clique search. Computers and Operations Research, 2015, 64, 293-303.	4.0	31
4	Speeding up branch and bound algorithms for solving the maximum clique problem. Journal of Global Optimization, 2014, 59, 1-21.	1.8	26
5	Exact model for the cell formation problem. Optimization Letters, 2014, 8, 2203-2210.	1.6	16
6	Improved initial vertex ordering for exact maximum clique search. Applied Intelligence, 2016, 45, 868-880.	5.3	16
7	An efficient exact model for the cell formation problem with a variable number of production cells. Computers and Operations Research, 2018, 91, 112-120.	4.0	15
8	Online heuristic for the preemptive single machine scheduling problem of minimizing the total weighted completion time. Optimization Methods and Software, 2014, 29, 955-963.	2.4	11
9	A branch-and-bound algorithm for the cell formation problem. International Journal of Production Research, 2018, 56, 3262-3273.	7.5	11
10	Heuristic for a Real-life Truck and Trailer Routing Problem. Procedia Computer Science, 2014, 31, 778-792.	2.0	10
11	A fast greedy sequential heuristic for the vertex colouring problem based on bitwise operations. Journal of Combinatorial Optimization, 2016, 31, 1665-1677.	1.3	7
12	NP-completeness of cell formation problem with grouping efficacy objective. International Journal of Production Research, 2020, 58, 6159-6169.	7.5	6
13	Vehicle assignment in site-dependent vehicle routing problems with split deliveries. Operational Research, 2021, 21, 399-423.	2.0	6
14	Initial Sorting of Vertices in the Maximum Clique Problem Reviewed. Lecture Notes in Computer Science, 2014, , 111-120.	1.3	6
15	An enhanced bitstring encoding for exact maximum clique search in sparse graphs. Optimization Methods and Software, 2017, 32, 312-335.	2.4	4
16	Pattern-Based Heuristic for the Cell Formation Problem in Group Technology. Springer Proceedings in Mathematics and Statistics, 2013, , 11-50.	0.2	4
17	A Branch and Bound Algorithm for a Fractional 0-1 Programming Problem. Lecture Notes in Computer Science, 2016, , 244-255.	1.3	4
18	A Dynamic Programming Heuristic for Optimizing Slot Sizes in a Warehouse. Procedia Computer Science, 2014, 31, 773-777.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Heuristic for Site-Dependent Truck and Trailer Routing Problem with Soft and Hard Time Windows and Split Deliveries. Lecture Notes in Computer Science, 2015, , 65-79.	1.3	2
20	Tolerance-Based vs. Cost-Based Branching for the Asymmetric Capacitated Vehicle Routing Problem. Springer Proceedings in Mathematics and Statistics, 2013, , 1-10.	0.2	1
21	A Branch and Bound Algorithm for the Cell Formation Problem. Springer Proceedings in Mathematics and Statistics, 2016, , 115-124.	0.2	1
22	Speeding up MCS Algorithm for the Maximum Clique Problem with ILS Heuristic and Other Enhancements. Springer Proceedings in Mathematics and Statistics, 2013, , 93-99.	0.2	1
23	Power Index axiomatics in the problem of voting with quota. Automation and Remote Control, 2011, 72, 600-614.	0.8	0
24	Heuristic for Maximizing Grouping Efficiency in the Cell Formation Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 11-26.	0.2	0
25	Fast Heuristic for Vehicle Routing Problem on Trees. Communications in Computer and Information Science, 2020, , 379-386.	0.5	0