Nodari Vakhania

List of Publications by Year
in descending order

		1039406	839053
37 papers	359 citations	9 h-index	18 g-index
38 all docs	38 docs citations	38 times ranked	189 citing authors

#	Article	IF	Citations
1	An optimal rounding gives a better approximation for scheduling unrelated machines. Operations Research Letters, 2005, 33, 127-133.	0.5	113
2	Restarts can help in the on-line minimization of the maximum delivery time on a single machine. Journal of Scheduling, 2000, 3, 333-341.	1.3	33
3	A better algorithm for sequencing with release and delivery times on identical machines. Journal of Algorithms, 2003, 48, 273-293.	0.9	20
4	Preemptive scheduling in overloaded systems. Journal of Computer and System Sciences, 2003, 67, 183-197.	0.9	19
5	Single-Machine Scheduling with Release Times and Tails. Annals of Operations Research, 2004, 129, 253-271.	2.6	18
6	Preemptive scheduling of equal-length jobs to maximize weighted throughput. Operations Research Letters, 2004, 32, 258-264.	0.5	17
7	On the geometry, preemptions and complexity of multiprocessor and shop scheduling. Annals of Operations Research, 2008, 159, 183-213.	2.6	14
8	Concurrent operations can be parallelized in scheduling multiprocessor job shop. Journal of Scheduling, 2002, 5, 227-245.	1.3	12
9	Scheduling jobs with release times preemptively on a single machine to minimize the number of late jobs. Operations Research Letters, 2009, 37, 405-410.	0.5	10
10	Minimizing maximum lateness of jobs with naturally bounded job data on a single machine in polynomial time. Theoretical Computer Science, 2013, 501, 72-81.	0.5	10
11	Branch less, cut more and minimize the number of late equal-length jobs on identical machines. Theoretical Computer Science, 2012, 465, 49-60.	0.5	9
12	Scheduling unrelated machines with two types of jobs. International Journal of Production Research, 2014, 52, 3793-3801.	4.9	9
13	Simple Constructive, Insertion, and Improvement Heuristics Based on the Girding Polygon for the Euclidean Traveling Salesman Problem. Algorithms, 2020, 13, 5.	1.2	9
14	A study of single-machine scheduling problem to maximize throughput. Journal of Scheduling, 2013, 16, 395-403.	1.3	7
15	Scheduling a Single Machine with Primary and Secondary Objectives. Algorithms, 2018, 11, 80.	1.2	7
16	Theoretical Expectation versus Practical Performance of Jackson's Heuristic. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	6
17	Dynamic Restructuring Framework for Scheduling with Release Times and Due-Dates. Mathematics, 2019, 7, 1104.	1.1	6
18	A note on the proof of the complexity of the little-preemptive open-shop problem. Annals of Operations Research, 2011, 191, 251-253.	2.6	5

#	Article	IF	Citations
19	Scheduling Equal-Length Jobs with Delivery times on Identical Processors. International Journal of Computer Mathematics, 2002, 79, 715-728.	1.0	4
20	Reducing efficiently the search tree for multiprocessor job-shop scheduling problems. International Journal of Production Research, 2013, 51, 7105-7119.	4.9	4
21	Adjusting scheduling model with release and due dates in production planning. Cogent Engineering, 2017, 4, 1321175.	1.1	4
22	f-Polynomial on Some Graph Operations. Mathematics, 2019, 7, 1074.	1.1	4
23	Little-Preemptive Scheduling on Unrelated Processors. Mathematical Modelling and Algorithms, 2002, 1, 43-56.	0.5	3
24	Fast solution of single-machine scheduling problem with embedded jobs. Theoretical Computer Science, 2019, 782, 91-106.	0.5	3
25	A Brief Look at Multi-Criteria Problems: Multi-Threshold Optimization versus Pareto-Optimization. , 0, , .		3
26	A Simple Heuristic for Basic Vehicle Routing Problem. Journal of Computer Science Technology Updates, 2016, 3, .	0.2	3
27	Properties of the Global Total k-Domination Number. Mathematics, 2021, 9, 480.	1.1	2
28	Branch Less, Cut More and Schedule Jobs with Release and Delivery Times on Uniform Machines. Mathematics, 2021, 9, 633.	1.1	2
29	Probabilistic quality estimations for combinatorial optimization problems. Georgian Mathematical Journal, 2018, 25, 123-134.	0.2	1
30	Fast Approximation for Scheduling One Machine. Mathematics, 2020, 8, 1524.	1.1	1
31	Multimetric Index to Evaluate Water Quality in Lagoons: A Biological and Geomorphological Approach. Sustainability, 2021, 13, 4631.	1.6	1
32	Tight Performance Bounds of CP-Scheduling on Out-Trees. Journal of Combinatorial Optimization, 2001, 5, 445-464.	0.8	0
33	Efficient Heuristics for Scheduling with Release and Delivery Times. , 2017, , .		0
34	Fast Algorithms for Basic Supply Chain Scheduling Problems. Mathematics, 2020, 8, 1919.	1.1	0
35	Theoretical and practical issues in single-machine scheduling with two job release and delivery times. Journal of Scheduling, 0, , 1.	1.3	0
36	Simple Methods for Traveling Salesman Problems. , 2021, 2, .		0

#	Article	IF	Citations
37	Polynomially Solvable and NP-hard Special Cases for Scheduling with Heads and Tails. , 2022, 4, 10-14.		0