Natalia Shakhlevich

List of Publications by Year
in descending order

36	539	567144	677027
papers	citations	15	22
		h-index	g-index

37	37	37	355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Minimizing total weighted completion time in a proportionate flow shop. Journal of Scheduling, 1998, 1, 157-168.	1.3	51
2	Complexity of mixed shop scheduling problems: A survey. European Journal of Operational Research, 2000, 120, 343-351.	3.5	45
3	Preemptive models of scheduling with controllable processing times and of scheduling with imprecise computation: A review of solution approaches. European Journal of Operational Research, 2018, 266, 795-818.	3.5	35
4	Single machine scheduling with controllable release and processing parameters. Discrete Applied Mathematics, 2006, 154, 2178-2199.	0.5	34
5	Pre-Emptive Scheduling Problems with Controllable Processing Times. Journal of Scheduling, 2005, 8, 233-253.	1.3	32
6	Complexity results for storage loading problems with stacking constraints. European Journal of Operational Research, 2016, 249, 1074-1081.	3.5	32
7	Inverse scheduling with maximum lateness objective. Journal of Scheduling, 2009, 12, 475-488.	1.3	31
8	Inverse scheduling: two-machine flow-shop problem. Journal of Scheduling, 2011, 14, 239-256.	1.3	28
9	Tabu search and lower bounds for a combined production–transportation problem. Computers and Operations Research, 2013, 40, 886-900.	2.4	26
10	Parallel batch scheduling of equal-length jobs with release andÂdue dates. Journal of Scheduling, 2010, 13, 463-477.	1.3	22
11	Scheduling with controllable release dates and processing times: Makespan minimization. European Journal of Operational Research, 2006, 175, 751-768.	3.5	21
12	Application of Submodular Optimization to Single Machine Scheduling with Controllable Processing Times Subject to Release Dates and Deadlines. INFORMS Journal on Computing, 2016, 28, 148-161.	1.0	19
13	Decomposition algorithms for submodular optimization with applications to parallel machine scheduling with controllable processing times. Mathematical Programming, 2015, 153, 495-534.	1.6	18
14	Scheduling with controllable release dates and processing times: Total completion time minimization. European Journal of Operational Research, 2006, 175, 769-781.	3.5	17
15	SINGLE MACHINE SCHEDULING WITH CONTROLLABLE PROCESSING TIMES BY SUBMODULAR OPTIMIZATION. International Journal of Foundations of Computer Science, 2009, 20, 247-269.	0.8	16
16	Scheduling two jobs with fixed and nonfixed routes. Computing (Vienna/New York), 1994, 52, 17-30.	3.2	15
17	Preemptive Scheduling on Uniform Parallel Machines with Controllable Job Processing Times. Algorithmica, 2008, 51, 451-473.	1.0	14
18	Two-machine open shop problem with controllable processing times. Discrete Optimization, 2007, 4, 175-184.	0.6	11

#	Article	IF	Citations
19	A Submodular Optimization Approach to Bicriteria Scheduling Problems with Controllable Processing Times on Parallel Machines. SIAM Journal on Discrete Mathematics, 2013, 27, 186-204.	0.4	9
20	A note on reverse scheduling with maximum lateness objective. Journal of Scheduling, 2013, 16, 417-422.	1.3	7
21	Machine Speed Scaling by Adapting Methods for Convex Optimization with Submodular Constraints. INFORMS Journal on Computing, 2017, 29, 724-736.	1.0	7
22	On the solution region for certainscheduling problems with preemption. Annals of Operations Research, 1998, 83, 1-22.	2.6	4
23	Single Machine Scheduling of Unit-time Jobs with Controllable Release Dates. Journal of Global Optimization, 2003, 27, 293-311.	1.1	4
24	Minimizing non-decreasing separable objective functions for the unit-time open shop scheduling problem. European Journal of Operational Research, 2005, 165, 444-456.	3.5	4
25	Necessary and sufficient optimality conditions for scheduling unit time jobs on identical parallel machines. Journal of Scheduling, 2016, 19, 659-685.	1.3	4
26	Shop scheduling problems with pliable jobs. Journal of Scheduling, 2019, 22, 635-661.	1.3	4
27	Scheduling problems with controllable processing times and a common deadline to minimize maximum compression cost. Journal of Global Optimization, 2020, 76, 471-490.	1.1	4
28	Scheduling Bag-of-Tasks Applications to Optimize Computation Time and Cost. Lecture Notes in Computer Science, 2014, , 3-12.	1.0	4
29	A polynomial-time algorithm for a flow-shop batching problem withÂequal-length operations. Journal of Scheduling, 2011, 14, 371-389.	1.3	3
30	Models and algorithms for energy-efficient scheduling with immediate start of jobs. Journal of Scheduling, 2018, 21, 505-516.	1.3	3
31	Minimising the number of gap-zeros in binary matrices. European Journal of Operational Research, 2013, 229, 48-58.	3.5	2
32	Open Shop Scheduling with Synchronization. Journal of Scheduling, 2017, 20, 557-581.	1.3	2
33	Scheduling divisible loads with time and cost constraints. Journal of Scheduling, 2019, , 1.	1.3	2
34	Fast Divide-and-Conquer Algorithms for Preemptive Scheduling Problems with Controllable Processing Times â€" A Polymatroid Optimization Approach. Lecture Notes in Computer Science, 2008, , 756-767.	1.0	2
35	Open shop unit-time scheduling problems with symmetric objective functions. 4or, 2005, 3, 117-131.	1.0	1
36	Handling Scheduling Problems with Controllable Parameters by Methods of Submodular Optimization. Lecture Notes in Computer Science, 2016, , 74-90.	1.0	1