

# Natalia Shakhlevich

## List of Publications by Year in descending order

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36  
papers

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citations

643344

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759306

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times ranked

402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scheduling problems with controllable processing times and a common deadline to minimize maximum compression cost. <i>Journal of Global Optimization</i> , 2020, 76, 471-490.	1.1	4
2	Shop scheduling problems with pliable jobs. <i>Journal of Scheduling</i> , 2019, 22, 635-661.	1.3	4
3	Scheduling divisible loads with time and cost constraints. <i>Journal of Scheduling</i> , 2019, , 1.	1.3	2
4	Preemptive models of scheduling with controllable processing times and of scheduling with imprecise computation: A review of solution approaches. <i>European Journal of Operational Research</i> , 2018, 266, 795-818.	3.5	35
5	Models and algorithms for energy-efficient scheduling with immediate start of jobs. <i>Journal of Scheduling</i> , 2018, 21, 505-516.	1.3	3
6	Open Shop Scheduling with Synchronization. <i>Journal of Scheduling</i> , 2017, 20, 557-581.	1.3	2
7	Machine Speed Scaling by Adapting Methods for Convex Optimization with Submodular Constraints. <i>INFORMS Journal on Computing</i> , 2017, 29, 724-736.	1.0	7
8	Necessary and sufficient optimality conditions for scheduling unit time jobs on identical parallel machines. <i>Journal of Scheduling</i> , 2016, 19, 659-685.	1.3	4
9	Application of Submodular Optimization to Single Machine Scheduling with Controllable Processing Times Subject to Release Dates and Deadlines. <i>INFORMS Journal on Computing</i> , 2016, 28, 148-161.	1.0	19
10	Complexity results for storage loading problems with stacking constraints. <i>European Journal of Operational Research</i> , 2016, 249, 1074-1081.	3.5	32
11	Handling Scheduling Problems with Controllable Parameters by Methods of Submodular Optimization. <i>Lecture Notes in Computer Science</i> , 2016, , 74-90.	1.0	1
12	Decomposition algorithms for submodular optimization with applications to parallel machine scheduling with controllable processing times. <i>Mathematical Programming</i> , 2015, 153, 495-534.	1.6	18
13	Scheduling Bag-of-Tasks Applications to Optimize Computation Time and Cost. <i>Lecture Notes in Computer Science</i> , 2014, , 3-12.	1.0	4
14	A note on reverse scheduling with maximum lateness objective. <i>Journal of Scheduling</i> , 2013, 16, 417-422.	1.3	7
15	Minimising the number of gap-zeros in binary matrices. <i>European Journal of Operational Research</i> , 2013, 229, 48-58.	3.5	2
16	Tabu search and lower bounds for a combined production-transportation problem. <i>Computers and Operations Research</i> , 2013, 40, 886-900.	2.4	26
17	A Submodular Optimization Approach to Bicriteria Scheduling Problems with Controllable Processing Times on Parallel Machines. <i>SIAM Journal on Discrete Mathematics</i> , 2013, 27, 186-204.	0.4	9
18	A polynomial-time algorithm for a flow-shop batching problem with equal-length operations. <i>Journal of Scheduling</i> , 2011, 14, 371-389.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Inverse scheduling: two-machine flow-shop problem. Journal of Scheduling, 2011, 14, 239-256.	1.3	28
20	Parallel batch scheduling of equal-length jobs with release and due dates. Journal of Scheduling, 2010, 13, 463-477.	1.3	22
21	SINGLE MACHINE SCHEDULING WITH CONTROLLABLE PROCESSING TIMES BY SUBMODULAR OPTIMIZATION. International Journal of Foundations of Computer Science, 2009, 20, 247-269.	0.8	16
22	Inverse scheduling with maximum lateness objective. Journal of Scheduling, 2009, 12, 475-488.	1.3	31
23	Preemptive Scheduling on Uniform Parallel Machines with Controllable Job Processing Times. Algorithmica, 2008, 51, 451-473.	1.0	14
24	Fast Divide-and-Conquer Algorithms for Preemptive Scheduling Problems with Controllable Processing Times – A Polymatroid Optimization Approach. Lecture Notes in Computer Science, 2008, , 756-767.	1.0	2
25	Two-machine open shop problem with controllable processing times. Discrete Optimization, 2007, 4, 175-184.	0.6	11
26	Single machine scheduling with controllable release and processing parameters. Discrete Applied Mathematics, 2006, 154, 2178-2199.	0.5	34
27	Scheduling with controllable release dates and processing times: Total completion time minimization. European Journal of Operational Research, 2006, 175, 769-781.	3.5	17
28	Scheduling with controllable release dates and processing times: Makespan minimization. European Journal of Operational Research, 2006, 175, 751-768.	3.5	21
29	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
30	Open shop unit-time scheduling problems with symmetric objective functions. 4or, 2005, 3, 117-131.	1.0	1
31	Pre-Emptive Scheduling Problems with Controllable Processing Times. Journal of Scheduling, 2005, 8, 233-253.	1.3	32
32	Single Machine Scheduling of Unit-time Jobs with Controllable Release Dates. Journal of Global Optimization, 2003, 27, 293-311.	1.1	4
33	Complexity of mixed shop scheduling problems: A survey. European Journal of Operational Research, 2000, 120, 343-351.	3.5	45
34	On the solution region for certain scheduling problems with preemption. Annals of Operations Research, 1998, 83, 1-22.	2.6	4
35	Minimizing total weighted completion time in a proportionate flow shop. Journal of Scheduling, 1998, 1, 157-168.	1.3	51
36	Scheduling two jobs with fixed and nonfixed routes. Computing (Vienna/New York), 1994, 52, 17-30.	3.2	15