

Alexander Kononov

List of Publications by Year in descending order

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68
all docs

68
docs citations

68
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity and approximability of scheduling resumable proportionally deteriorating jobs. European Journal of Operational Research, 2010, 200, 305-308.	5.7	55
2	On the approximate tradeoff for bicriteria batching and parallel machine scheduling problems. Theoretical Computer Science, 2003, 306, 319-338.	0.9	35
3	Customer order scheduling to minimize the number of late jobs. European Journal of Operational Research, 2007, 183, 944-948.	5.7	30
4	Scheduling Problems with Linear Increasing Processing Times. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 1997, , 208-212.	0.1	28
5	A FPTAS for Approximating the Unrelated Parallel Machines Scheduling Problem with Costs. Lecture Notes in Computer Science, 2001, , 194-205.	1.3	22
6	Competitive facility location models. Computational Mathematics and Mathematical Physics, 2009, 49, 994-1009.	0.8	21
7	Efficient approximation algorithms for the routing open shop problem. Computers and Operations Research, 2013, 40, 841-847.	4.0	21
8	Isomorphic scheduling problems. Annals of Operations Research, 2014, 213, 131-145.	4.1	19
9	Quantity-based buffer-constrained two-machine flowshop problem: active and passive prefetch models for multimedia applications. Journal of Scheduling, 2012, 15, 487-497.	1.9	17
10	Properties of optimal schedules in preemptive shop scheduling. Discrete Applied Mathematics, 2011, 159, 272-280.	0.9	16
11	On the routing open shop problem with two machines on a two-vertex network. Journal of Applied and Industrial Mathematics, 2012, 6, 318-331.	0.4	15
12	Energy-efficient scheduling and routing via randomized rounding. Journal of Scheduling, 2018, 21, 35-51.	1.9	14
13	Approximation Algorithms for Scheduling Problems with Exact Delays. Lecture Notes in Computer Science, 2007, , 1-14.	1.3	14
14	From preemptive to non-preemptive speed-scaling scheduling. Discrete Applied Mathematics, 2015, 181, 11-20.	0.9	13
15	Bicriteria approximation algorithms for scheduling problems with communications delays. Journal of Scheduling, 2005, 8, 281-294.	1.9	9
16	Minimizing the total weighted completion time in the relocation problem. Journal of Scheduling, 2010, 13, 123-129.	1.9	9
17	A Complete 4-parametric complexity classification of short shop scheduling problems. Journal of Scheduling, 2012, 15, 427-446.	1.9	9
18	On relocation problems with multiple identical working crews. Discrete Optimization, 2006, 3, 366-381.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Short Survey on Graph Correlation Clustering with Minimization Criteria. Lecture Notes in Computer Science, 2016, , 25-36.	1.3	8
20	Relocation scheduling subject to fixed processing sequences. Journal of Scheduling, 2016, 19, 153-163.	1.9	8
21	$O(\log m)$ -approximation for the routing open shop problem. RAIRO - Operations Research, 2015, 49, 383-391.	1.8	7
22	Efficient Lagrangian heuristics for the two-stage flow shop with job dependent buffer requirements. Journal of Discrete Algorithms, 2018, 52-53, 143-155.	0.7	7
23	Clustering on k -edge-colored graphs. Discrete Applied Mathematics, 2016, 211, 15-22.	0.9	6
24	From Preemptive to Non-preemptive Speed-Scaling Scheduling. Lecture Notes in Computer Science, 2013, , 134-146.	1.3	6
25	Min-Power Covering Problems. Lecture Notes in Computer Science, 2015, , 367-377.	1.3	6
26	A linear time approximation scheme for makespan minimization in an open shop with release dates. Operations Research Letters, 2002, 30, 276-280.	0.7	5
27	Integer preemptive scheduling on parallel machines. Operations Research Letters, 2012, 40, 440-444.	0.7	5
28	Improved Approximations for the Max k -Colored Clustering Problem. Lecture Notes in Computer Science, 2015, , 1-10.	1.3	4
29	Branch&bound approach for optima localization in scheduling multiprocessor jobs. International Transactions in Operational Research, 2020, 27, 381-393.	2.7	4
30	Flow Shop with Job-Dependent Buffer Requirements—a Polynomial-Time Algorithm and Efficient Heuristics. Lecture Notes in Computer Science, 2019, , 342-357.	1.3	4
31	Clustering on k -Edge-Colored Graphs. Lecture Notes in Computer Science, 2013, , 50-61.	1.3	4
32	On Speed Scaling Scheduling of Parallel Jobs with Preemption. Lecture Notes in Computer Science, 2016, , 309-321.	1.3	4
33	Approximation algorithms for energy-efficient scheduling of parallel jobs. Journal of Scheduling, 2020, 23, 693-709.	1.9	4
34	Bounded max-colorings of graphs. Journal of Discrete Algorithms, 2014, 26, 56-68.	0.7	3
35	A Bilevel Competitive Location and Pricing Model with Nonuniform Split of Demand. Journal of Applied and Industrial Mathematics, 2019, 13, 500-510.	0.4	3
36	Scheduling Malleable Jobs Under Topological Constraints. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
37	Makespan Minimization for Parallel Jobs with Energy Constraint. Lecture Notes in Computer Science, 2020, , 289-300.	1.3	3
38	Approximability and Inapproximability for Maximum k-Edge-Colored Clustering Problem. Lecture Notes in Computer Science, 2019, , 1-12.	1.3	3
39	Single-machine scheduling with supporting tasks. Discrete Optimization, 2015, 17, 69-79.	0.9	2
40	A polynomial-time algorithm for the preemptive mixed-shop problem with two unit operations per job. Journal of Scheduling, 2016, 19, 61-72.	1.9	2
41	Minimizing machine assignment costs over \hat{P} -approximate solutions of the scheduling problem $P C_{max}$. Theoretical Computer Science, 2019, 793, 70-78.	0.9	2
42	Open Block Scheduling in Optical Communication Networks. Lecture Notes in Computer Science, 2004, , 13-26.	1.3	2
43	Integrality Property in Preemptive Parallel Machine Scheduling. Lecture Notes in Computer Science, 2009, , 38-46.	1.3	2
44	On a borderline between the NP-hard and polynomial-time solvable cases of the flow shop with job-dependent storage requirements. Journal of Global Optimization, 0, , 1.	1.8	2
45	Bicriteria approximation algorithms for scheduling problems with communications. , 2003, , .		1
46	On minimizing dataset transfer time in an acyclic network with four servers. Journal of Applied and Industrial Mathematics, 2016, 10, 494-504.	0.4	1
47	Two-machine flow shop with dynamic storage space. Optimization Letters, 2020, 15, 2433.	1.6	1
48	Complete Complexity Classification of Short Shop Scheduling. Lecture Notes in Computer Science, 2009, , 227-236.	1.3	1
49	An Approximation Algorithm for Preemptive Speed Scaling Scheduling of Parallel Jobs with Migration. Lecture Notes in Computer Science, 2017, , 351-357.	1.3	1
50	A Polynomial-Time Algorithm for the Routing Flow Shop Problem with Two Machines: An Asymmetric Network with a Fixed Number of Nodes. Lecture Notes in Computer Science, 2020, , 301-312.	1.3	1
51	A 0.3622-Approximation Algorithm for the Maximum k-Edge-Colored Clustering Problem. Communications in Computer and Information Science, 2020, , 3-15.	0.5	1
52	Scheduling with Untrusted Predictions. , 2022, , .		1
53	Open block scheduling in optical communication networks. Theoretical Computer Science, 2006, 361, 257-274.	0.9	0
54	Graph Structure Analysis and Computational Tractability of Scheduling Problems. , 0, , 295-322.		0

#	ARTICLE	IF	CITATIONS
55	Two-stage multimedia scheduling problem with an active prefetch model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2001-2006.	0.4	0
56	Minimizing Total Completion Time in Multiprocessor Job Systems with Energy Constraint. Lecture Notes in Computer Science, 2021, , 267-279.	1.3	0
57	Speed Scaling with Explorable Uncertainty. , 2021, , .		0
58	Two-Stage Multimedia Scheduling Problem with an Active Prefetch Model. , 2009, , .		0
59	An 'almost-exact' solution to speed scaling scheduling of parallel jobs with preemption. , 2016, , .		0
60	Approximation algorithms for energy efficient scheduling of parallel jobs without migration. , 2018, , .		0
61	Approximation Algorithms for the Black and White Traveling Salesman Problem. Lecture Notes in Computer Science, 2007, , 559-567.	1.3	0
62	Speed scaling scheduling of multiprocessor jobs with energy constraint and makespan criterion. Journal of Global Optimization, 2022, 83, 539-564.	1.8	0
63	Algorithms for Flow Shop with Job-Dependent Buffer Requirements. Lecture Notes in Networks and Systems, 2022, , 63-74.	0.7	0
64	Bicriteria approximation algorithms for scheduling problems with communications. , 2003, , .		0