

Vladimir Kats

List of Publications by Year in descending order

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23
papers

685
citations

759055

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752573

20
g-index

23
all docs

23
docs citations

23
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity of cyclic scheduling problems: A state-of-the-art survey. Computers and Industrial Engineering, 2010, 59, 352-361.	3.4	169
2	An improved algorithm for cyclic flowshop scheduling in a robotic cell. European Journal of Operational Research, 1997, 97, 500-508.	3.5	99
3	Cyclic scheduling in a robotic production line. Journal of Scheduling, 2002, 5, 23-41.	1.3	59
4	A parametric critical path problem and an application for cyclic scheduling. Discrete Applied Mathematics, 1998, 87, 149-158.	0.5	57
5	Minimizing the cycle time of multiple-product processing networks with a fixed operation sequence, setups, and time-window constraints. European Journal of Operational Research, 2008, 187, 1196-1211.	3.5	40
6	A strongly polynomial algorithm for no-wait cyclic robotic flowshop scheduling. Operations Research Letters, 1997, 21, 171-179.	0.5	39
7	Minimizing the number of robots to meet a given cyclic schedule. Annals of Operations Research, 1997, 69, 209-226.	2.6	37
8	A faster algorithm for 2-cyclic robotic scheduling with a fixed robot route and interval processing times. European Journal of Operational Research, 2011, 209, 51-56.	3.5	34
9	Cyclic multiple-robot scheduling with time-window constraints using a critical path approach. European Journal of Operational Research, 2007, 177, 147-162.	3.5	33
10	An efficient bicriteria algorithm for stable robotic flow shop scheduling. European Journal of Operational Research, 2017, 260, 964-971.	3.5	27
11	A polynomial algorithm for 2-cyclic robotic scheduling: A non-Euclidean case. Discrete Applied Mathematics, 2009, 157, 339-355.	0.5	24
12	Title is missing!. , 1998, 10, 129-138.		18
13	Cyclic routing algorithms in graphs: Performance analysis and applications to robot scheduling. Computers and Industrial Engineering, 2011, 61, 279-288.	3.4	13
14	Parametric algorithms for 2-cyclic robot scheduling with interval processing times. Journal of Scheduling, 2011, 14, 267-279.	1.3	12
15	Minimizing the number of vehicles in periodic scheduling: The non-Euclidean case. European Journal of Operational Research, 1998, 107, 371-377.	3.5	7
16	On the existence of dominating 6-cyclic schedules in four-machine robotic cells. European Journal of Operational Research, 2018, 268, 755-759.	3.5	6
17	Cyclic scheduling in robotic flowshops with bounded workâ€™nâ€™process levels. Naval Research Logistics, 2011, 58, 1-16.	1.4	4
18	A Polynomial Algorithm for 2-Cyclic Robotic Scheduling. Lecture Notes in Computer Science, 2006, , 439-449.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Parametric Algorithms for Cyclic Scheduling Problems with Applications to Robotics. Lecture Notes in Computer Science, 2008, , 653-663.	1.0	2
20	A note on a quadratic algorithm for the 2-cyclic robotic scheduling problem. Theoretical Computer Science, 2009, 410, 5188-5190.	0.5	1
21	Cyclic Flowshop Scheduling with Operators and Robots: Vyacheslav Tanaev's Vision and Lasting Contributions. Journal of Scheduling, 2012, 15, 419-425.	1.3	1
22	The Howard-Romanovskii routing algorithm revisited, with applications to robot scheduling. , 2009, , .		0
23	A note on periodic schedules for linear precedence constraints. Discrete Applied Mathematics, 2013, 161, 430-434.	0.5	0