

Eugene Levner

List of Publications by Year in descending order

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41
papers

1,269
citations

471371

17
h-index

377752

34
g-index

44
all docs

44
docs citations

44
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Scheduling an autonomous robot searching for hidden targets. <i>Annals of Operations Research</i> , 2021, 298, 95-109.	2.6	7
2	Optimal bi-criterion planning of rescue and evacuation operations for marine accidents using an iterative scheduling algorithm. <i>Annals of Operations Research</i> , 2021, 296, 407-420.	2.6	9
3	Social Media Engagement and Influenza Vaccination During the COVID-19 Pandemic: Cross-sectional Survey Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e25977.	2.1	47
4	Change in Threads on Twitter Regarding Influenza, Vaccines, and Vaccination During the COVID-19 Pandemic: Artificial Intelligence-Based Infodemiology Study. <i>JMIR Infodemiology</i> , 2021, 1, e31983.	1.0	13
5	Entropy-based model for the ripple effect: managing environmental risks in supply chains. <i>International Journal of Production Research</i> , 2018, 56, 2539-2551.	4.9	64
6	A multi-criterion approach to optimal vaccination planning: Method and solution. <i>Computers and Industrial Engineering</i> , 2018, 126, 637-649.	3.4	18
7	Entropy-Based Algorithm for Supply-Chain Complexity Assessment. <i>Algorithms</i> , 2018, 11, 35.	1.2	10
8	An efficient bicriteria algorithm for stable robotic flow shop scheduling. <i>European Journal of Operational Research</i> , 2017, 260, 964-971.	3.5	27
9	A Fast Algorithm for Detecting Hidden Objects by Smart Mobile Robots. , 2017, , .		2
10	Integrated demand-responsive scheduling of maintenance and transportation operations in military supply chains. <i>International Journal of Production Research</i> , 2016, 54, 5798-5810.	4.9	10
11	Optimal Search for Hidden Targets by Unmanned Aerial Vehicles under Imperfect Inspections. <i>American Journal of Operations Research</i> , 2016, 06, 153-166.	0.2	9
12	An entropy-based approach to identifying vulnerable components in a supply chain. <i>International Journal of Production Research</i> , 2015, 53, 6888-6902.	4.9	16
13	An improved approximation algorithm for the ancient scheduling problem with deadlines. , 2014, , .		3
14	Efficient computation of evacuation routes on a three-dimensional geometric network. <i>Computers and Industrial Engineering</i> , 2014, 76, 231-242.	3.4	12
15	Routing and dispatching of multiple mobile agents in integrated enterprises. <i>International Journal of Production Economics</i> , 2013, 145, 96-106.	5.1	9
16	Exact approximation algorithms of scheduling in evacuation and recovery service. , 2013, , .		0
17	Cyclic routing algorithms in graphs: Performance analysis and applications to robot scheduling. <i>Computers and Industrial Engineering</i> , 2011, 61, 279-288.	3.4	13
18	Parametric algorithms for 2-cyclic robot scheduling with interval processing times. <i>Journal of Scheduling</i> , 2011, 14, 267-279.	1.3	12

#	ARTICLE	IF	CITATIONS
19	A faster algorithm for 2-cyclic robotic scheduling with a fixed robot route and interval processing times. <i>European Journal of Operational Research</i> , 2011, 209, 51-56.	3.5	34
20	Detection and improvement of deficiencies and failures in public-transportation networks using agent-enhanced distribution data mining. , 2011, , .		3
21	Complexity of cyclic scheduling problems: A state-of-the-art survey. <i>Computers and Industrial Engineering</i> , 2010, 59, 352-361.	3.4	169
22	The Howard-Romanovskii routing algorithm revisited, with applications to robot scheduling. , 2009, , .		0
23	A note on a quadratic algorithm for the 2-cyclic robotic scheduling problem. <i>Theoretical Computer Science</i> , 2009, 410, 5188-5190.	0.5	1
24	A polynomial algorithm for 2-cyclic robotic scheduling: A non-Euclidean case. <i>Discrete Applied Mathematics</i> , 2009, 157, 339-355.	0.5	24
25	A Parametric Algorithm for 2-Cyclic Robotic Scheduling with Interval Processing Times. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 780-785.	0.4	2
26	Minimizing the cycle time of multiple-product processing networks with a fixed operation sequence, setups, and time-window constraints. <i>European Journal of Operational Research</i> , 2008, 187, 1196-1211.	3.5	40
27	Parametric Algorithms for Cyclic Scheduling Problems with Applications to Robotics. <i>Lecture Notes in Computer Science</i> , 2008, , 653-663.	1.0	2
28	Cyclic multiple-robot scheduling with time-window constraints using a critical path approach. <i>European Journal of Operational Research</i> , 2007, 177, 147-162.	3.5	33
29	An efficient algorithm for multi-hoist cyclic scheduling with fixed processing times. <i>Operations Research Letters</i> , 2006, 34, 465-472.	0.5	28
30	A polynomial algorithm for 2-degree cyclic robot scheduling. <i>European Journal of Operational Research</i> , 2003, 145, 31-44.	3.5	52
31	On fast path-finding algorithms in AND-OR graphs. <i>Mathematical Problems in Engineering</i> , 2002, 8, 283-293.	0.6	4
32	Cyclic scheduling in a robotic production line. <i>Journal of Scheduling</i> , 2002, 5, 23-41.	1.3	59
33	Cyclic scheduling in robotic flowshops. <i>Annals of Operations Research</i> , 2000, 96, 97-124.	2.6	172
34	Multiple-part cyclic hoist scheduling using a sieve method. <i>IEEE Transactions on Automation Science and Engineering</i> , 1999, 15, 704-713.	2.4	82
35	Title is missing!. , 1998, 10, 129-138.		18
36	A parametric critical path problem and an application for cyclic scheduling. <i>Discrete Applied Mathematics</i> , 1998, 87, 149-158.	0.5	57

#	ARTICLE	IF	CITATIONS
37	An improved algorithm for cyclic flowshop scheduling in a robotic cell. European Journal of Operational Research, 1997, 97, 500-508.	3.5	99
38	Minimizing the number of robots to meet a given cyclic schedule. Annals of Operations Research, 1997, 69, 209-226.	2.6	37
39	A strongly polynomial algorithm for no-wait cyclic robotic flowshop scheduling. Operations Research Letters, 1997, 21, 171-179.	0.5	39
40	Infinite-horizon scheduling algorithms for optimal search for hidden objects. International Transactions in Operational Research, 1994, 1, 241-250.	1.8	11
41	Power-optimized scheduling server for real-time tasks. , 0, , .		14