

Shunji Umetani

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

283
citations

1478505

6
h-index

1199594

12
g-index

17
all docs

17
docs citations

17
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional cutting stock problem to minimize the number of different patterns. European Journal of Operational Research, 2003, 146, 388-402.	5.7	77
2	A linear programming based heuristic algorithm for charge and discharge scheduling of electric vehicles in a building energy management system. Omega, 2017, 67, 115-122.	5.9	72
3	RELAXATION HEURISTICS FOR THE SET COVERING PROBLEM(<Special Issue>the 50th Anniversary of the) Tj ETQq1 1 0.784314 rgBT 350-375.	0.2	35
4	Solving the irregular strip packing problem via guided local search for overlap minimization. International Transactions in Operational Research, 2009, 16, 661-683.	2.7	31
5	On the one-dimensional stock cutting problem in the paper tube industry. Journal of Scheduling, 2011, 14, 281-290.	1.9	25
6	One-Dimensional Cutting Stock Problem with a Given Number of Setups: A Hybrid Approach of Metaheuristics and Linear Programming. Mathematical Modelling and Algorithms, 2006, 5, 43-64.	0.5	20
7	Exploiting variable associations to configure efficient local search algorithms in large-scale binary integer programs. European Journal of Operational Research, 2017, 263, 72-81.	5.7	6
8	Coordinate descent heuristics for the irregular strip packing problem of rasterized shapes. European Journal of Operational Research, 2022, 303, 1009-1026.	5.7	5
9	Local Search Algorithms for the Two-Dimensional Cutting Stock Problem with a Given Number of Different Patterns. , 2005, , 181-202.		3
10	Sequence Alignment as a Set Partitioning Problem. Journal of Natural Language Processing, 2016, 23, 175-194.	0.2	2
11	A Heuristic Algorithm for the Set Multicover Problem with Generalized Upper Bound Constraints. Lecture Notes in Computer Science, 2013, , 75-80.	1.3	2
12	AN EFFICIENT BRANCH-AND-CUT ALGORITHM FOR SUBMODULAR FUNCTION MAXIMIZATION. Journal of the Operations Research Society of Japan, 2020, 63, 41-59.	0.2	2
13	Optimal Electric Power Management in a Residential Building Using Photovoltaic and Storage Battery. , 2012, , .		1
14	Relaxation heuristics for the set multicover problem with generalized upper bound constraints. Computers and Operations Research, 2018, 93, 90-100.	4.0	1
15	An Efficient Branch-and-Cut Algorithm for Approximately Submodular Function Maximization. , 2019, , .		1
16	A Combined Approach for Production Scheduling and Routing of Automated Guided Vehicles With Layered Time-Space Network. , 2012, , .		0
17	A Local Search Approach for the Pattern Restricted One Dimensional Cutting Stock Problem. Applied Optimization, 2003, , 673-698.	0.4	0