

Aiying Rong

List of Publications by Year in descending order

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34
papers

2,586
citations

257101

24
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimization approach for managing fresh food quality throughout the supply chain. International Journal of Production Economics, 2011, 131, 421-429.	5.1	487
2	A review of planning and scheduling systems and methods for integrated steel production. European Journal of Operational Research, 2001, 133, 1-20.	3.5	303
3	A multiple traveling salesman problem model for hot rolling scheduling in Shanghai Baoshan Iron & Steel Complex. European Journal of Operational Research, 2000, 124, 267-282.	3.5	275
4	A mathematical programming model for scheduling steelmaking-continuous casting production. European Journal of Operational Research, 2000, 120, 423-435.	3.5	195
5	An efficient linear programming model and optimization algorithm for trigeneration. Applied Energy, 2005, 82, 40-63.	5.1	141
6	Role of polygeneration in sustainable energy system development challenges and opportunities from optimization viewpoints. Renewable and Sustainable Energy Reviews, 2016, 53, 363-372.	8.2	96
7	Fuzzy chance constrained linear programming model for optimizing the scrap charge in steel production. European Journal of Operational Research, 2008, 186, 953-964.	3.5	95
8	An efficient envelope-based Branch and Bound algorithm for non-convex combined heat and power production planning. European Journal of Operational Research, 2007, 183, 412-431.	3.5	90
9	A dynamic regrouping based sequential dynamic programming algorithm for unit commitment of combined heat and power systems. Energy Conversion and Management, 2009, 50, 1108-1115.	4.4	75
10	CO2 emissions trading planning in combined heat and power production via multi-period stochastic optimization. European Journal of Operational Research, 2007, 176, 1874-1895.	3.5	71
11	Modelling and a genetic algorithm solution for the slab stack shuffling problem when implementing steel rolling schedules. International Journal of Production Research, 2002, 40, 1583-1595.	4.9	70
12	Efficient algorithms for combined heat and power production planning under the deregulated electricity market. European Journal of Operational Research, 2007, 176, 1219-1245.	3.5	64
13	Lagrangian relaxation based algorithm for trigeneration planning with storages. European Journal of Operational Research, 2008, 188, 240-257.	3.5	64
14	Polygeneration systems in buildings: A survey on optimization approaches. Energy and Buildings, 2017, 151, 439-454.	3.1	64
15	An efficient linear model and optimisation algorithm for multi-site combined heat and power production. European Journal of Operational Research, 2006, 168, 612-632.	3.5	54
16	A variant of the dynamic programming algorithm for unit commitment of combined heat and power systems. European Journal of Operational Research, 2008, 190, 741-755.	3.5	46
17	An effective heuristic for combined heat-and-power production planning with power ramp constraints. Applied Energy, 2007, 84, 307-325.	5.1	45
18	A methodology for controlling dispersion in food production and distribution. OR Spectrum, 2010, 32, 957-978.	2.1	45

#	ARTICLE	IF	CITATIONS
19	Dynamic programming based algorithms for the discounted $\{0\text{--}1\}$ knapsack problem. Applied Mathematics and Computation, 2012, 218, 6921-6933.	1.4	37
20	A Dynamic Regrouping Based Dynamic Programming Approach for Unit Commitment of the Transmission-Constrained Multi-Site Combined Heat and Power System. IEEE Transactions on Power Systems, 2018, 33, 714-722.	4.6	33
21	An effective heuristic algorithm to minimise stack shuffles in selecting steel slabs from the slab yard for heating and rolling. Journal of the Operational Research Society, 2001, 52, 1091-1097.	2.1	31
22	An improved unit decommitment algorithm for combined heat and power systems. European Journal of Operational Research, 2009, 195, 552-562.	3.5	29
23	Monthly tour scheduling models with mixed skills considering weekend off requirements. Computers and Industrial Engineering, 2010, 59, 334-343.	3.4	29
24	Shift designs for freight handling personnel at air cargo terminals. Transportation Research, Part E: Logistics and Transportation Review, 2009, 45, 725-739.	3.7	24
25	Dynamic programming algorithms for the bi-objective integer knapsack problem. European Journal of Operational Research, 2014, 236, 85-99.	3.5	18
26	An efficient model and algorithm for the transmission-constrained multi-site combined heat and power system. European Journal of Operational Research, 2017, 258, 1106-1117.	3.5	18
27	An efficient algorithm for bi-objective combined heat and power production planning under the emission trading scheme. Energy Conversion and Management, 2014, 88, 525-534.	4.4	16
28	Modeling the machine configuration and line-balancing problem of a PCB assembly line with modular placement machines. International Journal of Advanced Manufacturing Technology, 2011, 54, 349-360.	1.5	15
29	A two phase approach for the bi-objective non-convex combined heat and power production planning problem. European Journal of Operational Research, 2015, 245, 296-308.	3.5	15
30	A two state reduction based dynamic programming algorithm for the bi-objective $0\text{--}1$ knapsack problem. Computers and Mathematics With Applications, 2011, 62, 2913-2930.	1.4	13
31	A reduction dynamic programming algorithm for the bi-objective integer knapsack problem. European Journal of Operational Research, 2013, 231, 299-313.	3.5	13
32	Computational performance of basic state reduction based dynamic programming algorithms for bi-objective $0\text{--}1$ knapsack problems. Computers and Mathematics With Applications, 2012, 63, 1462-1480.	1.4	8
33	Multicriteria 0-1 knapsack problems with k-min objectives. Computers and Operations Research, 2013, 40, 1481-1496.	2.4	5
34	Modeling a PCB assembly line with modular reconfigurable placement machines. , 2009, , .		2