

Ran Liu

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

875
citations

687363

13
h-index

610901

24
g-index

38
all docs

38
docs citations

38
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Heuristic algorithms for a vehicle routing problem with simultaneous delivery and pickup and time windows in home health care. <i>European Journal of Operational Research</i> , 2013, 230, 475-486.	5.7	224
2	A branch-and-price algorithm for the home health care scheduling and routing problem with stochastic service times and skill requirements. <i>International Journal of Production Research</i> , 2015, 53, 7450-7464.	7.5	98
3	Hybridization of tabu search with feasible and infeasible local searches for periodic home health care logistics. <i>Omega</i> , 2014, 47, 17-32.	5.9	90
4	Mathematical model and exact algorithm for the home care worker scheduling and routing problem with lunch break requirements. <i>International Journal of Production Research</i> , 2017, 55, 558-575.	7.5	81
5	A hybrid genetic algorithm for the multi-depot open vehicle routing problem. <i>OR Spectrum</i> , 2014, 36, 401-421.	3.4	58
6	A hybrid large-neighborhood search algorithm for the cumulative capacitated vehicle routing problem with time-window constraints. <i>Applied Soft Computing Journal</i> , 2019, 80, 18-30.	7.2	46
7	A survey on simulation optimization for the manufacturing system operation. <i>International Journal of Modelling and Simulation</i> , 2018, 38, 116-127.	3.3	39
8	The bullwhip effect in hybrid supply chain. <i>International Journal of Production Research</i> , 2014, 52, 2062-2084.	7.5	31
9	A branch-and-price algorithm for the home-caregiver scheduling and routing problem with stochastic travel and service times. <i>Flexible Services and Manufacturing Journal</i> , 2019, 31, 989-1011.	3.4	29
10	Simulation-based optimisation approach for the stochastic two-echelon logistics problem. <i>International Journal of Production Research</i> , 2017, 55, 187-201.	7.5	26
11	Physician Staffing for Emergency Departments with Time-Varying Demand. <i>INFORMS Journal on Computing</i> , 2018, 30, 588-607.	1.7	20
12	Daily scheduling of caregivers with stochastic times. <i>International Journal of Production Research</i> , 2018, 56, 3245-3261.	7.5	18
13	The Large-Scale Periodic Home Health Care Server Assignment Problem: A Region-Partition-Based Algorithm. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, , 1-12.	5.2	13
14	Optimization of drug regimen in chemotherapy based on semi-mechanistic model for myelosuppression. <i>Journal of Biomedical Informatics</i> , 2015, 57, 20-27.	4.3	12
15	Optimal patient assignment for W queueing network in a diagnostic facility setting. <i>International Journal of Production Research</i> , 2017, 55, 5609-5631.	7.5	12
16	Data-Driven Optimization for Dynamic Shortest Path Problem Considering Traffic Safety. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 18237-18252.	8.0	10
17	Home health care crew scheduling and routing problem with stochastic service times. , 2014, , .		9
18	The Optimization of Combination Chemotherapy Schedules in the Presence of Drug Resistance. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 165-179.	5.2	9

#	ARTICLE	IF	CITATIONS
19	Optimization of combination chemotherapy with dose adjustment using a memetic algorithm. Information Sciences, 2018, 432, 63-78.	6.9	7
20	A constraint relaxation-based algorithm for the load-dependent vehicle routing problem with time windows. Flexible Services and Manufacturing Journal, 2019, 31, 331-353.	3.4	7
21	A variable neighborhood search algorithm with constraint relaxation for the two-echelon vehicle routing problem with simultaneous delivery and pickup demands. Soft Computing, 2022, 26, 8879-8896.	3.6	7
22	The Physician Scheduling of Fever Clinic in the COVID-19 Pandemic. IEEE Transactions on Automation Science and Engineering, 2022, 19, 709-723.	5.2	4
23	Dynamic Patient Admission Control With Time-Varying and Uncertain Demands in COVID-19 Pandemic. IEEE Transactions on Automation Science and Engineering, 2022, 19, 620-631.	5.2	4
24	Weekly scheduling of emergency department physicians to cope with time-varying demand. IISE Transactions, 0, , 1-30.	2.4	3
25	Physician Scheduling for Emergency Departments Under Time-Varying Demand and Patient Return. IEEE Transactions on Automation Science and Engineering, 2023, 20, 553-570.	5.2	3
26	Combined Location-Arc Routing Problems: A survey and suggestions for future research. , 2008, , .		2
27	A memetic algorithm for the close-open mixed Vehicle Routing Problem. , 2010, , .		2
28	Managing appointments of outpatients considering the presence of emergency patients: the combination of the analytical and data-driven approach. International Journal of Production Research, 2022, 60, 4214-4228.	7.5	2
29	A decentralized VPLs based control policy for semiconductor manufacturing. , 2010, , .		1
30	A memetic algorithm for optimization of combination chemotherapy with dose adjustment. , 2017, , .		1
31	The Layout Optimization Problem of Automobile Engine Production Line. , 2018, , .		1
32	A decomposition based algorithm for the scheduling problem in wafer fabrication system. , 2010, , .		0
33	A queuing approximation method for capacity planning of emergency department with time-varying demand. , 2014, , .		0
34	Real-time scheduling home caregivers based on disruption management. , 2015, , .		0
35	A heuristic algorithm for the Load-dependent Capacitated Vehicle Routing Problem with Time Windows. , 2015, , .		0
36	Modeling and Optimization for Emergency Medical Services Network. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3520-3535.	5.2	0