Tao Wu

List of Publications by Year
in descending order

38 papers	862 citations	516710 16 h-index	501196 28 g-index
38 all docs	38 docs citations	38 times ranked	707 citing authors

#	Article	IF	Citations
1	Predictive Search for Capacitated Multi-Item Lot Sizing Problems. INFORMS Journal on Computing, 2022, 34, 385-406.	1.7	2
2	A supervised learning-driven heuristic for solving the facility location and production planning problem. European Journal of Operational Research, 2022, 301, 785-796.	5.7	7
3	Unsupervised Learning-Driven Matheuristic for Production-Distribution Problems. Transportation Science, 2022, 56, 1677-1702.	4.4	0
4	Technical Note—On Nested Partitions Method for Global Optimization. Operations Research, 2021, 69, 1533-1539.	1.9	0
5	The hub location problem with market selection. Computers and Operations Research, 2021, 127, 105136.	4.0	4
6	Data-driven branching and selection for lot-sizing and scheduling problems with sequence-dependent setups and setup carryover. Computers and Operations Research, 2021, 132, 105289.	4.0	11
7	Dantzig-Wolfe decomposition for the facility location and production planning problem. Computers and Operations Research, 2020, 124, 105068.	4.0	9
8	Homogenous hydrolysis of cellulose to glucose in an inorganic ionic liquid catalyzed by zeolites. Cellulose, 2020, 27, 9201-9215.	4.9	18
9	Machine learning-driven algorithms for the container relocation problem. Transportation Research Part B: Methodological, 2020, 139, 102-131.	5.9	40
10	Regression and extrapolation guided optimization for production–distribution with ship–buy–exchange options. Transportation Research, Part E: Logistics and Transportation Review, 2019, 129, 15-37.	7.4	11
11	A Branch-and-Price Algorithm for the Integrated Berth Allocation and Quay Crane Assignment Problem. Transportation Science, 2019, 53, 1427-1454.	4.4	21
12	Distance and matching-induced search algorithm for the multi-level lot-sizing problem with substitutable bill of materials. European Journal of Operational Research, 2019, 277, 521-541.	5.7	14
13	Simultaneous Allocation of Berths and Quay Cranes under Discrete Berth Situation. Asia-Pacific Journal of Operational Research, 2018, 35, 1850011.	1.3	4
14	Analytics Branching and Selection for the Capacitated Multi-Item Lot Sizing Problem with Nonidentical Machines. INFORMS Journal on Computing, 2018, 30, 236-258.	1.7	18
15	The green capacitated multi-item lot sizing problem with parallel machines. Computers and Operations Research, 2018, 98, 149-164.	4.0	17
16	MIP models and a hybrid method for the capacitated air-cargo network planning and scheduling problems. Transportation Research, Part E: Logistics and Transportation Review, 2017, 103, 158-173.	7.4	13
17	Progressive Selection Method for the Coupled Lot-Sizing and Cutting-Stock Problem. INFORMS Journal on Computing, 2017, 29, 523-543.	1.7	19
18	Local Cuts and Two-Period Convex Hull Closures for Big-Bucket Lot-Sizing Problems. INFORMS Journal on Computing, 2016, 28, 766-780.	1.7	25

#	Article	IF	Citations
19	Robust weekly aircraft maintenance routing problem and the extension to the tail assignment problem. Transportation Research Part B: Methodological, 2015, 78, 238-259.	5.9	63
20	An improved MIP heuristic for the intermodal hub location problem. Omega, 2015, 57, 203-211.	5.9	29
21	An informative column generation and decomposition method for a production planning and facility location problem. International Journal of Production Economics, 2015, 170, 88-96.	8.9	21
22	An energy-responsive optimization method for machine tool selection and operation sequence in flexible machining job shops. Journal of Cleaner Production, 2015, 87, 245-254.	9.3	154
23	Conservative allocation models for outbound containers in container terminals. European Journal of Operational Research, 2014, 238, 155-165.	5.7	33
24	Location assignment for outbound containers with adjusted weight proportion. Computers and Operations Research, 2014, 52, 84-93.	4.0	20
25	A Lagrangian relaxation-based algorithm for the allocation of yard cranes for yard activities with different priorities. Journal of Systems Science and Systems Engineering, 2013, 22, 227-252.	1.6	3
26	A Lagrangian relaxation-based method and models evaluation for multi-level lot sizing problems with backorders. Computers and Operations Research, 2013, 40, 1852-1863.	4.0	14
27	Mixed integer programming in production planning with backlogging and setup carryover: modeling and algorithms. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 211-239.	1.5	18
28	A hybrid simulated annealing metaheuristic algorithm for the two-dimensional knapsack packing problem. Computers and Operations Research, 2012, 39, 64-73.	4.0	88
29	On the equivalence of strong formulations for capacitated multi-level lot sizing problems with setup times. Journal of Global Optimization, 2012, 53, 615-639.	1.8	15
30	An MIP-based interval heuristic for the capacitated multi-level lot-sizing problem with setup times. Annals of Operations Research, 2012, 196, 635-650.	4.1	23
31	A novel mixed integer programming formulation and progressively stochastic search for capacitated lot sizing. Journal of Systems Science and Systems Engineering, 2011, 20, 173-192.	1.6	7
32	An optimization framework for solving capacitated multi-level lot-sizing problems with backlogging. European Journal of Operational Research, 2011, 214, 428-441.	5.7	68
33	A lower and upper bound guided nested partitions method for solving capacitated multi-level production planning problems. , 2011, , .		1
34	Mathematical models for capacitated multi-level production planning problems with linked lot sizes. International Journal of Production Research, 2011, 49, 6227-6247.	7.5	32
35	An HNP-MP Approach for the Capacitated Multi-Item Lot Sizing Problem With Setup Times. IEEE Transactions on Automation Science and Engineering, 2010, 7, 500-511.	5.2	28
36	Hybrid nested Partitions And Relax-And-Fix approach for capacitated multi-item lot sizing problem. , 2009, , .		2

#	Article	IF	Citations
37	A new heuristic method for capacitated multi-level lot sizing problem with backlogging. , 2009, , .		6
38	Integrated dynamic and simulation model on coupled closed-loop workstation capacity controls in a multi-workstation production system. , 2008, , .		4