Yiyong Xiao

List of Publications by Year
in descending order

75 papers	2,110 citations	318942 23 h-index	274796 44 g-index
75 all docs	75 docs citations	75 times ranked	1669 citing authors

#	Article	IF	Citations
1	Selective maintenance of multiâ€state systems with the repairperson fatigue effect and stochastic break duration. Quality and Reliability Engineering International, 2023, 39, 3350-3368.	1.4	2
2	Cost Modelling to Support Optimum Selection of Life Extension Strategy for Industrial Equipment in Smart Manufacturing. Circular Economy and Sustainability, 2022, 2, 1425-1444.	3.3	6
3	The aperiodic facility layout problem with time-varying demands and an optimal master-slave solution approach. International Journal of Production Research, 2021, 59, 5216-5235.	4.9	2
4	Prediction Model of Hypertension Complications Based on GBDT and LightGBM. Journal of Physics: Conference Series, 2021, 1813, 012008.	0.3	6
5	Prediction of Hypertension Outcomes Based on Gain Sequence Forward Tabu Search Feature Selection and XGBoost. Diagnostics, 2021, 11, 792.	1.3	4
6	Status Set Sequential Pattern Mining Considering Time Windows and Periodic Analysis of Patterns. Entropy, 2021, 23, 738.	1.1	1
7	Electric vehicle routing problem: A systematic review and a new comprehensive model with nonlinear energy recharging and consumption. Renewable and Sustainable Energy Reviews, 2021, 151, 111567.	8.2	127
8	Travel Characteristics Analysis and Traffic Prediction Modeling Based on Online Car-Hailing Operational Data Sets. Entropy, 2021, 23, 1305.	1.1	8
9	A Text-Driven Aircraft Fault Diagnosis Model Based on Word2vec and Stacking Ensemble Learning. Aerospace, 2021, 8, 357.	1.1	6
10	A FE-DE-FV Parallel Computing Method Based on OpenMP for the Hydraulic Fracturing. , 2021, , .		0
11	A Fast Approximate Method for the Large-scale One-source P-median Problem. , 2021, , .		0
12	Analysis of University Studentsâ€™ Behavior Based on a Fusion K-Means Clustering Algorithm. Applied Sciences (Switzerland), 2020, 10, 6566.	1.3	13
13	The continuous maximal covering location problem in large-scale natural disaster rescue scenes. Computers and Industrial Engineering, 2020, 146, 106608.	3.4	13
14	The continuous pollution routing problem. Applied Mathematics and Computation, 2020, 387, 125072.	1.4	52
15	Dynamic Gaming Case of the R-Interdiction Median Problem with Fortification and an MILP-Based Solution Approach. Sustainability, 2020, 12, 581.	1.6	1
16	An Effectiveness Evaluation Model for Satellite Observation and Data-Downlink Scheduling Considering Weather Uncertainties. Remote Sensing, 2019, 11, 1621.	1.8	11
17	A new formulation of the electric vehicle routing problem with time windows considering concave nonlinear charging function. Journal of Cleaner Production, 2019, 236, 117687.	4.6	53
18	Optimal mathematical programming for the warehouse location problem with Euclidean distance linearization. Computers and Industrial Engineering, 2019, 136, 70-79.	3.4	25

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19	Remaining Useful Life Prediction with Similarity Fusion of Multi-Parameter and Multi-Sample Based on the Vibration Signals of Diesel Generator Gearbox. Entropy, 2019, 21, 861.	1.1	3
20	A Machine-Learning-Based Prediction Method for Hypertension Outcomes Based on Medical Data. Diagnostics, 2019, 9, 178.	1.3	111
21	Text Similarity Measurement of Semantic Cognition Based on Word Vector Distance Decentralization With Clustering Analysis. IEEE Access, 2019, 7, 107247-107258.	2.6	15
22	Fractional-Order Modeling and Fuzzy Clustering of Improved Artificial Bee Colony Algorithms. IEEE Transactions on Industrial Informatics, 2019, 15, 5988-5998.	7.2	13
23	Optimal mathematical programming and variable neighborhood search for k-modes categorical data clustering. Pattern Recognition, 2019, 90, 183-195.	5.1	13
24	Skill Vehicle Routing Problem With Time Windows Considering Dynamic Service Times and Time-Skill-Dependent Costs. IEEE Access, 2019, 7, 77208-77221.	2.6	6
25	Modeling the Capacitated Multi-Level Lot-Sizing Problem under Time-Varying Environments and a Fix-and-Optimize Solution Approach. Entropy, 2019, 21, 377.	1.1	2
26	Probability Analysis of Hypertension-Related Symptoms Based on XGBoost and Clustering Algorithm. Applied Sciences (Switzerland), 2019, 9, 1215.	1.3	17
27	Development of energy consumption optimization model for the electric vehicle routing problem with time windows. Journal of Cleaner Production, 2019, 225, 647-663.	4.6	79
28	A two-stage flow-shop scheme for the multi-satellite observation and data-downlink scheduling problem considering weather uncertainties. Reliability Engineering and System Safety, 2019, 188, 263-275.	5.1	26
29	Decision-Making Method based on Mixed Integer Linear Programming and Rough Set: A Case Study of Diesel Engine Quality and Assembly Clearance Data. Sustainability, 2019, 11, 620.	1.6	3
30	A New Hybrid XGBSVM Model: Application for Hypertensive Heart Disease. IEEE Access, 2019, 7, 175248-175258.	2.6	32
31	A $\hat{I}^2$-accurate linearization method of Euclidean distance for the facility layout problem with heterogeneous distance metrics. European Journal of Operational Research, 2018, 265, 26-38.	3.5	21
32	A Bayesian Failure Prediction Network Based on Text Sequence Mining and Clustering. Entropy, 2018, 20, 923.	1.1	10
33	Quality Evaluation of Diesel Marine Engine Based on Fuzzy Analytic Hierarchy Process and Improved Close Value Method. , 2018, , .		0
34	The Uncapacitatied Dynamic Single-Level Lot-Sizing Problem under a Time-Varying Environment and an Exact Solution Approach. Sustainability, 2018, 10, 3867.	1.6	0
35	Modeling and solving the constrained multi-items lot-sizing problem with time-varying setup cost. Chaos, Solitons and Fractals, 2018, 116, 202-207.	2.5	5
36	A Linear MIP Model for the Electric Vehicle Routing Problem with Time Windows Considering Linear Charging. , 2018, , .		5

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37	A Novel Bearing Multi-Fault Diagnosis Approach Based on Weighted Permutation Entropy and an Improved SVM Ensemble Classifier. Sensors, 2018, 18, 1934.	2.1	75
38	A variable neighborhood search for the network design problem with relays. Journal of Heuristics, 2017, 23, 137-164.	1.1	5
39	An identification and prediction model of wear-out fault based on oil monitoring data using PSO-SVM method. , 2017, , .		7
40	Using AMPL/CPLEX to model and solve the electric vehicle routing problem (EVRP) with heterogeneous mixed fleet. , 2017, , .		11
41	A problem evolution algorithm with linear programming for the dynamic facility layout problemâ€"A general layout formulation. Computers and Operations Research, 2017, 88, 187-207.	2.4	29
42	A genetic algorithm with exact dynamic programming for the green vehicle routing & scheduling problem. Journal of Cleaner Production, 2017, 167, 1450-1463.	4.6	108
43	A new area linearization method for Unequal area facility layout problem. , 2016, , .		1
44	Mining approximate dependencies from diesel engine assembling data using clustering-based rough sets theory. , 2016, , .		1
45	Quality evaluation on diesel engine with improved TOPSIS based on information entropy. , 2016, , .		3
46	The heterogeneous green vehicle routing and scheduling problem with time-varying traffic congestion. Transportation Research, Part E: Logistics and Transportation Review, 2016, 88, 146-166.	3.7	210
47	Research on single-level lot-sizing problem under the time-varying environment. , 2015, , .		0
48	A simulating annealing algorithm to solve the green vehicle routing & scheduling problem with hierarchical objectives and weighted tardiness. Applied Soft Computing Journal, 2015, 34, 372-388.	4.1	61
49	A new method on finding optimal centers for improving K-means algorithm. , 2015, , .		1
50	Non-permutation flow shop scheduling with order acceptance and weighted tardiness. Applied Mathematics and Computation, 2015, 270, 312-333.	1.4	19
51	Green Vehicle Routing Problem with Time-Varying Traffic Congestion. , 2015, , 134-148.		11
52	Mining status-set Sequential Pattern based on frequent itemset for failure prediction in a temporal database with multiple status items monitored. , 2014, , .		0
53	Optimizing frequent time-window selection for association rules mining in a temporal database using a variable neighbourhood search. Computers and Operations Research, 2014, 52, 241-250.	2.4	9
54	A variable neighborhood search with an effective local search for uncapacitated multilevel lot-sizing problems. European Journal of Operational Research, 2014, 235, 102-114.	3.5	28

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55	Variable neighbourhood simulated annealing algorithm for capacitated vehicle routing problems. Engineering Optimization, 2014, 46, 562-579.	1.5	43
56	A Comparative Study on Meta Heuristic Algorithms for Solving Multilevel Lot-Sizing Problems. , 2013, , .		0
57	Multi-stage Order Acceptance Model and the Heuristic Algorithm Based on Simulated Annealing. , 2012, , .		0
58	Model and heuristic algorithm of the joint replenishment problem with complete backordering and correlated demand. International Journal of Production Economics, 2012, 139, 33-41.	5.1	35
59	A variable neighborhood decomposition search algorithm for multilevel capacitated lot-sizing problems. Electronic Notes in Discrete Mathematics, 2012, 39, 129-135.	0.4	11
60	Discovering Frequent Itemset with Maximum Time-Window on Temporal Transaction Database using Variable Neighborhood Search. Electronic Notes in Discrete Mathematics, 2012, 39, 137-144.	0.4	2
61	Neighborhood search techniques for solving uncapacitated multilevel lot-sizing problems. Computers and Operations Research, 2012, 39, 647-658.	2.4	18
62	The activity-based aggregate production planning with capacity expansion in manufacturing systems. Computers and Industrial Engineering, 2012, 62, 491-503.	3.4	37
63	Permutation flow shop scheduling with order acceptance and weighted tardiness. Applied Mathematics and Computation, 2012, 218, 7911-7926.	1.4	46
64	Development of a fuel consumption optimization model for the capacitated vehicle routing problem. Computers and Operations Research, 2012, 39, 1419-1431.	2.4	457
65	A new approach of inventory classification based on loss profit. Expert Systems With Applications, 2011, 38, 9382-9391.	4.4	40
66	A variable neighborhood search based approach for uncapacitated multilevel lot-sizing problems. Computers and Industrial Engineering, 2011, 60, 218-227.	3.4	23
67	Deterministic EOQ with partial backordering and correlated demand caused by cross-selling. European Journal of Operational Research, 2011, 210, 537-551.	3.5	54
68	A reduced variable neighborhood search algorithm for uncapacitated multilevel lot-sizing problems. European Journal of Operational Research, 2011, 214, 223-231.	3.5	32
69	A wavelet-analysis-based change point model for process monitoring. , 2011, , .		1
70	Neighborhood search techniques of evolutionary algorithms for solving multilevel lot-sizing problems. , 2010, , .		0
71	Implemental techniques and their effectives for evolutionary algorithms used to solve multilevel lot sizing problems. , 2010, , .		0
72	Human resources allocation for aircraft maintenance with predefined sequence. Journal of Systems Engineering and Electronics, 2010, 21, 1008-1013.	1.1	3

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73	A new algorithm of inventory classification based on the association rules. International Journal of Services Sciences, 2008, 1, 148.	0.0	20
74	Î¦-Rough Sets Theory and Its Usage on Mining Approximate Dependencies. Lecture Notes in Computer Science, 2008, , 922-934.	1.0	0
75	The Deterministic Annealing Algorithms for Vehicle Routing Problems. International Journal of Smart Engineering System Design, 2003, 5, 327-339.	0.2	18