Li-Ning Xing

List of Publications by Year
in descending order

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87 papers	2,032 citations	257450 24 h-index	254184 43 g-index
89 all docs	89 docs citations	89 times ranked	1458 citing authors

#	Article	IF	Citations
1	A Knowledge-Based Ant Colony Optimization for Flexible Job Shop Scheduling Problems. Applied Soft Computing Journal, 2010, 10, 888-896.	7.2	264
2	Behavior of crossover operators in NSGA-III for large-scale optimization problems. Information Sciences, 2020, 509, 470-487.	6.9	151
3	A Self-Adaptive Differential Evolution Algorithm for Scheduling a Single Batch-Processing Machine With Arbitrary Job Sizes and Release Times. IEEE Transactions on Cybernetics, 2021, 51, 1430-1442.	9.5	146
4	An efficient search method for multi-objective flexible job shop scheduling problems. Journal of Intelligent Manufacturing, 2009, 20, 283-293.	7.3	104
5	Multi-objective flexible job shop schedule: Design and evaluation by simulation modeling. Applied Soft Computing Journal, 2009, 9, 362-376.	7.2	97
6	Agile Earth Observation Satellite Scheduling Over 20 Years: Formulations, Methods, and Future Directions. IEEE Systems Journal, 2021, 15, 3881-3892.	4.6	70
7	Multi-clustering via evolutionary multi-objective optimization. Information Sciences, 2018, 450, 128-140.	6.9	60
8	A Hybrid Ant Colony Optimization Algorithm for the Extended Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1110-1123.	5.0	56
9	An Evolutionary Approach to the Multidepot Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2010, 14, 356-374.	10.0	49
10	Agile earth observation satellite scheduling: An orienteering problem with time-dependent profits and travel times. Computers and Operations Research, 2019, 111, 84-98.	4.0	49
11	An Adaptive Resource Allocation Strategy for Objective Space Partition-Based Multiobjective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-16.	9.3	49
12	Hierarchical scheduling for real-time agile satellite task scheduling in a dynamic environment. Advances in Space Research, 2019, 63, 897-912.	2.6	49
13	A Data-Driven Parallel Scheduling Approach for Multiple Agile Earth Observation Satellites. IEEE Transactions on Evolutionary Computation, 2020, 24, 679-693.	10.0	40
14	A Generic Markov Decision Process Model and Reinforcement Learning Method for Scheduling Agile Earth Observation Satellites. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1463-1474.	9.3	40
15	A Hybrid Decision Making Framework for Personnel Selection Using BWM, MABAC and PROMETHEE. International Journal of Fuzzy Systems, 2019, 21, 2421-2434.	4.0	36
16	MOEA based memetic algorithms for multi-objective satellite range scheduling problem. Swarm and Evolutionary Computation, 2019, 50, 100576.	8.1	34
17	Several variants of simulated annealing hyper-heuristic for a single-machine scheduling with two-scenario-based dependent processing times. Swarm and Evolutionary Computation, 2021, 60, 100765.	8.1	30
18	A population perturbation and elimination strategy based genetic algorithm for multi-satellite TT&C scheduling problem. Swarm and Evolutionary Computation, 2021, 65, 100912.	8.1	29

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19	Learning-guided nondominated sorting genetic algorithm II for multi-objective satellite range scheduling problem. Swarm and Evolutionary Computation, 2019, 49, 194-205.	8.1	28
20	Large-scale medical examination scheduling technology based on intelligent optimization. Journal of Combinatorial Optimization, 2019, 37, 385-404.	1.3	28
21	An improved genetic algorithm for the integrated satellite imaging and data transmission scheduling problem. Computers and Operations Research, 2022, 139, 105626.	4.0	28
22	An intelligent genetic algorithm designed for global optimization of multi-minima functions. Applied Mathematics and Computation, 2006, 178, 355-371.	2.2	27
23	An Exact Algorithm for Agile Earth Observation Satellite Scheduling with Time-Dependent Profits. Computers and Operations Research, 2020, 120, 104946.	4.0	27
24	Data-Driven Heuristic Assisted Memetic Algorithm for Efficient Inter-Satellite Link Scheduling in the BeiDou Navigation Satellite System. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1800-1816.	13.1	27
25	Multi-population interactive coevolutionary algorithm for flexible job shop scheduling problems. Computational Optimization and Applications, 2011, 48, 139-155.	1.6	24
26	A Branch and Bound Algorithm for Agile Earth Observation Satellite Scheduling. Discrete Dynamics in Nature and Society, 2017, 2017, 1-15.	0.9	24
27	A knowledge-based evolutionary algorithm for relay satellite system mission scheduling problem. Computers and Industrial Engineering, 2020, 150, 106830.	6.3	24
28	Identifying data streams anomalies by evolving spiking restricted Boltzmann machines. Neural Computing and Applications, 2020, 32, 6699-6713.	5.6	21
29	A Multi-objective Memetic Approach for Time-dependent Agile Earth Observation Satellite Scheduling Problem. Computers and Industrial Engineering, 2021, 159, 107530.	6.3	20
30	The Iterative Scheme and the Convergence Analysis of Unique Solution for a Singular Fractional Differential Equation from the Eco-Economic Complex Systemâ€™s Co-Evolution Process. Complexity, 2019, 2019, 1-15.	1.6	19
31	Comprehensive learning pigeon-inspired optimization with tabu list. Science China Information Sciences, 2019, 62, 1.	4.3	19
32	A novel mutation operator based on the immunity operation. European Journal of Operational Research, 2009, 197, 830-833.	5.7	18
33	Bi-objective design of household E-waste collection with public advertising and competition from informal sectors. Waste Management, 2020, 102, 65-75.	7.4	18
34	Intelligent Energy-Saving Supervision System of Urban Buildings Based on the Internet of Things: A Case Study. IEEE Systems Journal, 2020, 14, 4252-4261.	4.6	18
35	A Hybrid Multiobjective Evolutionary Approach for Flexible Job-Shop Scheduling Problems. Mathematical Problems in Engineering, 2012, 2012, 1-27.	1.1	17
36	A Multi Ant System based hybrid heuristic algorithm for Vehicle Routing Problem with Service Time Customization. Swarm and Evolutionary Computation, 2019, 50, 100563.	8.1	17

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37	A scheduling strategy to inter-satellite links assignment in GNSS. Advances in Space Research, 2021, 67, 198-208.	2.6	17
38	Picture Fuzzy Interaction Partitioned Heronian Aggregation Operators for Hotel Selection. Mathematics, 2020, 8, 3.	2.2	16
39	Selection of mine development scheme based on similarity measure under fuzzy environment. Neural Computing and Applications, 2020, 32, 5255-5266.	5.6	15
40	One-to-one ensemble mechanism for decomposition-based multi-Objective optimization. Swarm and Evolutionary Computation, 2022, 68, 101007.	8.1	15
41	Integrated scheduling problem for earth observation satellites based on three modeling frameworks: an adaptive bi-objective memetic algorithm. Memetic Computing, 2021, 13, 203-226.	4.0	14
42	Solving the Agile Earth Observation Satellite Scheduling Problem With Time-Dependent Transition Times. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1614-1625.	9.3	13
43	Large-scale and adaptive service composition based on deep reinforcement learning. Journal of Visual Communication and Image Representation, 2019, 65, 102687.	2.8	12
44	Analysis of production cycle-time distribution with a big-data approach. Journal of Intelligent Manufacturing, 2020, 31, 1889-1897.	7.3	12
45	Time-dependent autonomous task planning of agile imaging satellites. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1365-1375.	1.4	10
46	An intelligent scheduling algorithm for complex manufacturing system simulation with frequent synchronizations in a cloud environment. Memetic Computing, 2019, 11, 357-370.	4.0	10
47	An effective memetic algorithm for UAV routing and orientation under uncertain navigation environments. Memetic Computing, 2021, 13, 169-183.	4.0	10
48	An Iterated Local Search Algorithm for Agile Earth Observation Satellite Scheduling Problem. , 2018, , .		8
49	Dual-Population Artificial Bee Colony Algorithm for Joint Observation Satellite Mission Planning Problem. IEEE Access, 2022, 10, 28911-28921.	4.2	8
50	Tourism route optimization based on improved knowledge ant colony algorithm. Complex & Intelligent Systems, 2022, 8, 3973-3988.	6.5	8
51	Double Layer ACO Algorithm for the Multi-Objective FJSSP. New Generation Computing, 2008, 26, 313-327.	3.3	6
52	A Hybrid Discrete Differential Evolution Algorithm to Solve the Split Delivery Vehicle Routing Problem. IEEE Access, 2020, 8, 207962-207972.	4.2	6
53	Tabu Search Algorithm for the Bike Sharing Rebalancing Problem. IEEE Access, 2020, 8, 144543-144556.	4.2	6
54	A dynamic routing optimization problem considering joint delivery of passengers and parcels. Neural Computing and Applications, 2021, 33, 10323-10334.	5.6	6

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55	Cloud Avoidance Scheduling Algorithm for Agile Optical Satellites. Journal of Computational and Theoretical Nanoscience, 2016, 13, 3691-3705.	0.4	6
56	A Data-Driven Analysis of Employee Development Based on Working Expertise. IEEE Transactions on Computational Social Systems, 2021, 8, 410-422.	4.4	5
57	Knowledge-based memetic algorithm for joint task planning of multi-platform earth observation system. Computers and Industrial Engineering, 2021, 160, 107559.	6.3	5
58	Performance Evaluation of Human Resources Based on Linguistic Neutrosophic Maclaurin Symmetric Mean Operators. Cognitive Computation, 2022, 14, 547-562.	5.2	5
59	Review on R&D task integrated management of intelligent manufacturing equipment. Neural Computing and Applications, 2022, 34, 5813-5837.	5.6	5
60	Interactive Fuzzy Multi-objective Ant Colony Optimization with Linguistically Quantified Decision Functions for Flexible Job Shop Scheduling Problems. , 2007, , .		4
61	Integrated agile observation satellite scheduling problem considering different memory environments: a case study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	4
62	A data-driven parallel adaptive large neighborhood search algorithm for a large-scale inter-satellite link scheduling problem. Swarm and Evolutionary Computation, 2022, 74, 101124.	8.1	4
63	Multiprogramming genetic algorithm for optimization problems with permutation property. Applied Mathematics and Computation, 2007, 185, 473-483.	2.2	3
64	The talent planning model and empirical research to the key disciplines in science and technology. Cluster Computing, 2017, 20, 3275-3286.	5.0	3
65	Doctor-Patient Combined Matching Problem and its Solving Algorithms. IEEE Access, 2019, 7, 177723-177733.	4.2	3
66	Interactive multilevel programming approaches in neutrosophic environments. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2143-2159.	4.9	3
67	Pricing of satellite image data products: Neutrosophic fuzzy pricing approaches under different game scenarios. Applied Soft Computing Journal, 2021, 102, 107106.	7.2	3
68	Techno-Economic and Environmental Assessment of the Hybrid Energy System Considering Electric and Thermal Loads. Electronics (Switzerland), 2021, 10, 3136.	3.1	3
69	An Improved Ant Colony Optimization for Flexible Job Shop Scheduling Problems. , 2009, , .		2
70	Comments on â€œAn effective hybrid optimization approach for multi-objective flexible job-shop scheduling problemsâ€•[Comput. Ind. Eng. 48 (2005) 409â€“425]. Computers and Industrial Engineering, 2009, 56, 1735-1736.	6.3	2
71	The double layer optimization problem to express logistics systems and its heuristic algorithm. Expert Systems With Applications, 2014, 41, 237-245.	7.6	2
72	Evaluation of scientific publications with hesitant fuzzy uncertain linguistic and semantic information. Journal of Intelligent and Fuzzy Systems, 2015, 29, 2737-2742.	1.4	2

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73	Multi-mobile robots and multi-trips feeding scheduling problem in smart manufacturing system: An improved hybrid genetic algorithm. International Journal of Advanced Robotic Systems, 2019, 16, 172988141986812.	2.1	2
74	A Novel Genetic Algorithm with Population Perturbation and Elimination for Multi-satellite TT&C Scheduling Problem. Communications in Computer and Information Science, 2020, , 558-568.	0.5	2
75	Autonomous Mission Replanning Method for Imaging Satellites Considering Real-Time Weather Conditions. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6967-6973.	0.4	2
76	The Multi-Rule & Real-Time Training Neural Network Model for Time Series Forecasting Problem. , 2006, , .		1
77	A Knowledge-Based Genetic Algorithm to the Global Numerical Optimization. , 2009, , .		1
78	Big Archive-Assisted Ensemble of Many-Objective Evolutionary Algorithms. Complexity, 2021, 2021, 1-17.	1.6	1
79	Neutrosophic game pricing methods with risk aversion for pricing of data products. Expert Systems, 2021, 38, e12697.	4.5	1
80	Selection of data products: a hybrid AFSA-MABAC approach. International Journal of Machine Learning and Cybernetics, 2022, 13, 1079.	3.6	1
81	A Hybrid Multi-objective Coevolutionary Approach for the Multi-user Agile Earth Observation Satellite Scheduling Problem. Communications in Computer and Information Science, 2022, , 247-261.	0.5	1
82	Solving Satellite Range Scheduling Problem with Learning-Based Artificial Bee Colony Algorithm. Communications in Computer and Information Science, 2022, , 43-57.	0.5	1
83	Solving Large-scale Relay Satellite Scheduling Problem with A Dynamic Population Firework Algorithm: A Case Study. , 2021, , .		1
84	The new treatment mode research of hepatitis B based on ant colony algorithm. Journal of Combinatorial Optimization, 2019, , 1.	1.3	0
85	Review of Knowledge Guidance in Intelligent Optimization Approaches. Lecture Notes in Electrical Engineering, 2015, , 287-295.	0.4	0
86	Scheduling Mobile Robots in Flexible Manufacturing System by An Adaptive Large Neighborhood Search. , 2020, , .		0
87	Alternative External Resource Allocation Method to Information Security in Smart Cities. Discrete Dynamics in Nature and Society, 2022, 2022, 1-10.	0.9	0