

# Xiaoping Li

## List of Publications by Year in descending order

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156  
papers

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citations

185998

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docs citations

157  
times ranked

1767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature Selection With Maximal Relevance and Minimal Supervised Redundancy. IEEE Transactions on Cybernetics, 2023, 53, 707-717.	6.2	11
2	A Survey on Sparse Learning Models for Feature Selection. IEEE Transactions on Cybernetics, 2022, 52, 1642-1660.	6.2	57
3	Energy-Aware Cloud Workflow Applications Scheduling With Geo-Distributed Data. IEEE Transactions on Services Computing, 2022, 15, 891-903.	3.2	21
4	Energy Utilization Task Scheduling for MapReduce in Heterogeneous Clusters. IEEE Transactions on Services Computing, 2022, 15, 931-944.	3.2	20
5	MapReduce Task Scheduling in Heterogeneous Geo-Distributed Data Centers. IEEE Transactions on Services Computing, 2022, 15, 3317-3329.	3.2	4
6	A Hybrid Fault-Tolerant Scheduling for Deadline-Constrained Tasks in Cloud Systems. IEEE Transactions on Services Computing, 2022, 15, 1371-1384.	3.2	18
7	State space model and queuing network based Cloud Resource Provisioning for Meshed Web Systems. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.	4.0	0
8	An enhance multimodal multiobjective optimization genetic algorithm with special crowding distance for pulmonary hypertension feature selection. Computers in Biology and Medicine, 2022, 146, 105536.	3.9	13
9	Periodically Activating and Sleeping Devices in Internet of Things. , 2022, , .		0
10	Task Scheduling for Spark Applications With Data Affinity on Heterogeneous Clusters. IEEE Internet of Things Journal, 2022, 9, 21792-21801.	5.5	0
11	Performance Analysis and Optimization on Scheduling Stochastic Cloud Service Requests: A Survey. IEEE Transactions on Network and Service Management, 2022, 19, 3587-3602.	3.2	4
12	Failure-aware Elastic Cloud Workflow Scheduling. IEEE Transactions on Services Computing, 2022, , 1-14.	3.2	2
13	Hybrid Resource Provisioning for Cloud Workflows with Malleable and Rigid Tasks. IEEE Transactions on Cloud Computing, 2021, 9, 1089-1102.	3.1	8
14	A Bi-Objective Constrained Robust Gate Assignment Problem: Formulation, Instances and Algorithm. IEEE Transactions on Cybernetics, 2021, 51, 4488-4500.	6.2	12
15	A Grid-Based Inverted Generational Distance for Multi/Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 21-34.	7.5	45
16	Group Scheduling With Nonperiodical Maintenance and Deteriorating Effects. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2860-2872.	5.9	9
17	Scheduling Spark Tasks With Data Skew and Deadline Constraints. IEEE Access, 2021, 9, 2793-2804.	2.6	3
18	CRISPR/Cas9-mediated $\beta$ -globin gene knockout in rabbits recapitulates human $\beta$ -thalassemia. Journal of Biological Chemistry, 2021, 296, 100464.	1.6	7

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19	A quantum-inspired cuckoo co-evolutionary algorithm for no-wait flow shop scheduling. IET Collaborative Intelligent Manufacturing, 2021, 3, 105-118.	1.9	4
20	A neurodynamic optimization approach to supervised feature selection via fractional programming. Neural Networks, 2021, 136, 194-206.	3.3	22
21	Scheduling Microservice-based Workflows to Containers in On-demand Cloud Resources. , 2021, , .		5
22	Scheduling method with adaptive learning for microservice workflows with hybrid resource provisioning. International Journal of Machine Learning and Cybernetics, 2021, 12, 3037-3048.	2.3	5
23	Multi-Queue Request Scheduling for Profit Maximization in IaaS Clouds. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2838-2851.	4.0	5
24	Resource Renting for Periodical Cloud Workflow Applications. IEEE Transactions on Services Computing, 2020, 13, 130-143.	3.2	16
25	Transient fault aware application partitioning computational offloading algorithm in microservices based mobile cloudlet networks. Computing (Vienna/New York), 2020, 102, 105-139.	3.2	34
26	Performance Analysis for Heterogeneous Cloud Servers Using Queueing Theory. IEEE Transactions on Computers, 2020, 69, 563-576.	2.4	16
27	Transplantation of hPSC-derived pericyte-like cells promotes functional recovery in ischemic stroke mice. Nature Communications, 2020, 11, 5196.	5.8	63
28	Organocatalytic 1,4-Addition of Azadienes with 3-Homoacyl Coumarins toward Highly Enantioenriched Benzofuran Coumarin Skeletons. Journal of Organic Chemistry, 2020, 85, 12175-12186.	1.7	19
29	A Neurodynamic Approach to $L_{\infty}$ -Constrained Optimization. , 2020, , .		3
30	Hybrid Cloud Workflow Scheduling Method With Privacy Data. IEEE Access, 2020, 8, 211540-211552.	2.6	2
31	A Metadata Inference Method for Building Automation Systems With Limited Semantic Information. IEEE Transactions on Automation Science and Engineering, 2020, 17, 2107-2119.	3.4	14
32	Allocating MapReduce workflows with deadlines to heterogeneous servers in a cloud data center. Service Oriented Computing and Applications, 2020, 14, 101-118.	1.3	1
33	Scheduling Periodical Multi-Stage Jobs With Fuzziness to Elastic Cloud Resources. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2819-2833.	4.0	16
34	Energy Minimization for Cloud Services with Stochastic Requests. Lecture Notes in Computer Science, 2020, , 133-148.	1.0	1
35	Weighted General Group Lasso for Gene Selection in Cancer Classification. IEEE Transactions on Cybernetics, 2019, 49, 2860-2873.	6.2	41
36	Cost Minimization for Service Providers with Impatient Consumers in Cloud Computing. , 2019, , .		2

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37	Human Mesenchymal Stem Cell-Treated Regulatory CD23 <sup>+</sup> CD43 <sup>+</sup> B Cells Alleviate Intestinal Inflammation. <i>Theranostics</i> , 2019, 9, 4633-4647.	4.6	52
38	Feature Selection via Adaptive Spectral Clustering based on Joint Mutual Information. , 2019, , .		1
39	Enantioselective Synthesis of Benzofuran-Fused <i>N</i> -Heterocycles via Chiral Squaramide Catalyzed [4 + 2] Cyclization of Azadienes with Azlactones. <i>Journal of Organic Chemistry</i> , 2019, 84, 8035-8045.	1.7	36
40	Characterization and Therapeutic Application of Mesenchymal Stem Cells with Neuromesodermal Origin from Human Pluripotent Stem Cells. <i>Theranostics</i> , 2019, 9, 1683-1697.	4.6	22
41	Methods for virtual machine scheduling with uncertain execution times in cloud computing. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 325-335.	2.3	2
42	Resource Provisioning for Task-Batch Based Workflows with Deadlines in Public Clouds. <i>IEEE Transactions on Cloud Computing</i> , 2019, 7, 814-826.	3.1	21
43	Cloud Workflow Scheduling with Deadlines and Time Slot Availability. <i>IEEE Transactions on Services Computing</i> , 2018, 11, 329-340.	3.2	32
44	An iterated greedy heuristic for no-wait flow shops with sequence dependent setup times, learning and forgetting effects. <i>Information Sciences</i> , 2018, 453, 408-425.	4.0	37
45	Scheduling Stochastic Multi-Stage Jobs to Elastic Hybrid Cloud Resources. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018, 29, 1401-1415.	4.0	48
46	Methods for Scheduling Problems Considering Experience, Learning, and Forgetting Effects. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 743-754.	5.9	12
47	Cloud workflow scheduling with hybrid resource provisioning. <i>Journal of Supercomputing</i> , 2018, 74, 6529-6553.	2.4	6
48	An Iterated Greedy Heuristic for Mixed No-Wait Flowshop Problems. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 1553-1566.	6.2	29
49	Price forecasting for spot instances in Cloud computing. <i>Future Generation Computer Systems</i> , 2018, 79, 38-53.	4.9	16
50	A Metaheuristic for No-wait Flowshops with Variable Processing Times. , 2018, , .		0
51	A Fast Algorithm for Finding the Bi-objective Shortest Path in Complicated Networks. , 2018, , .		2
52	Idle block based methods for cloud workflow scheduling with preemptive and non-preemptive tasks. <i>Future Generation Computer Systems</i> , 2018, 89, 659-669.	4.9	10
53	Elastic Resource Provisioning for Cloud Workflow Applications. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017, 14, 1195-1210.	3.4	37
54	Scheduling for multi-stage applications with scalable virtual resources in cloud computing. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1633-1641.	2.3	5

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55	An Exact Algorithm for the Shortest Path Problem With Position-Based Learning Effects. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 3037-3049.	5.9	16
56	A delay-based dynamic scheduling algorithm for bag-of-task workflows with stochastic task execution times in clouds. Future Generation Computer Systems, 2017, 71, 57-72.	4.9	70
57	ElasticSim: A Toolkit for Simulating Workflows with Cloud Resource Runtime Auto-Scaling and Stochastic Task Execution Times. Journal of Grid Computing, 2017, 15, 257-272.	2.5	31
58	A Trust Constrained Workflow Scheduling Method in Cloud Computing. , 2017, , .		1
59	Distributed task scheduling with security and outage constraints in MapReduce. , 2017, , .		1
60	Cloud workflow scheduling with on-demand and spot block instances. , 2017, , .		3
61	An effective heuristic for project scheduling with resource availability cost. European Journal of Operational Research, 2017, 257, 746-762.	3.5	28
62	Dynamic job scheduling on scalable cloud resources. , 2017, , .		0
63	Trust constrained workflow scheduling in cloud computing. , 2017, , .		0
64	Hidden Markov Model Based Spot Price Prediction for Cloud Computing. , 2017, , .		2
65	A memory-based complete local search method with variable neighborhood structures for no-wait job shops. International Journal of Advanced Manufacturing Technology, 2016, 87, 1401-1408.	1.5	13
66	Resources Renting with Reserved and On-Demand Instances for Cloud Workflow Applications. , 2016, , .		0
67	Hybrid Resource Provisioning for Workflow Scheduling in Cloud Computing. Lecture Notes in Computer Science, 2016, , 34-46.	1.0	2
68	Scheduling Stochastic Multi-stage Jobs on Elastic Computing Services in Hybrid Clouds. , 2016, , .		8
69	Elastic and flexible multi-stage task scheduling with deadline-constraint in clouds. , 2016, , .		2
70	Comparative Secretome Analysis Reveals Perturbation of Host Secretion Pathways by a Hypovirus. Scientific Reports, 2016, 6, 34308.	1.6	30
71	Heuristics for Provisioning Services to Workflows in XaaS Clouds. IEEE Transactions on Services Computing, 2016, 9, 250-263.	3.2	60
72	Sequencing the storages and retrievals for flow-rack automated storage and retrieval systems with duration-of-stay storage policy. International Journal of Production Research, 2016, 54, 984-998.	4.9	12

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73	Task scheduling for MapReduce in heterogeneous networks. Cluster Computing, 2016, 19, 197-210.	3.5	14
74	Heuristics for periodical batch job scheduling in a MapReduce computing framework. Information Sciences, 2016, 326, 119-133.	4.0	30
75	An enhanced greedy random adaptive search procedure with path-relinking for no-wait flowshop problem with setup times. Integrated Computer-Aided Engineering, 2015, 23, 51-68.	2.5	5
76	Quay crane scheduling with dual cycling. Engineering Optimization, 2015, 47, 1343-1360.	1.5	7
77	Group scheduling for complex products with time-dependent deteriorating effect. , 2015, , .		0
78	Energy-Aware Task Scheduling of MapReduce Cluster. , 2015, , .		5
79	A bi-directional flow-rack automated storage and retrieval system for unit-load warehouses. International Journal of Production Research, 2015, 53, 4176-4188.	4.9	23
80	Trajectory Scheduling Methods for minimizing total tardiness in a flowshop. Operations Research Perspectives, 2015, 2, 13-23.	1.2	16
81	Iterative search method for total flowtime minimization no-wait flowshop problem. International Journal of Machine Learning and Cybernetics, 2015, 6, 747-761.	2.3	11
82	Granulation-based resource classification in Cloud Manufacturing. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1258-1270.	1.5	12
83	Cloud workflow scheduling with deadline and time slots constraints. , 2015, , .		0
84	Solving the multi-objective flowline manufacturing cell scheduling problem by hybrid harmony search. Expert Systems With Applications, 2015, 42, 1409-1417.	4.4	49
85	A Group Mining Method for Big Data on Distributed Vehicle Trajectories in WAN. International Journal of Distributed Sensor Networks, 2015, 11, 756107.	1.3	4
86	Double Girder Bridge Crane with Double Cycling: Scheduling Strategy and Performance Evaluation. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.4	0
87	Hybrid harmony search for the flowline manufacturing cell scheduling problem. , 2014, , .		2
88	Multi-granularity resource virtualization and sharing strategies in cloud manufacturing. Journal of Network and Computer Applications, 2014, 46, 72-82.	5.8	69
89	Deteriorating and position-based learning effects on some single-machine scheduling problems. , 2014, , .		1
90	Critical Path-Based Iterative Heuristic for Workflow Scheduling in Utility and Cloud Computing. Lecture Notes in Computer Science, 2013, , 207-221.	1.0	21

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91	A multilevel modeling framework for semantic representation of cloud manufacturing resources. , 2013, , .		1
92	An adaptive intelligent method for manufacturing process optimization in steelworks. , 2013, , .		2
93	MapReduce Based Method for Big Data Semantic Clustering. , 2013, , .		15
94	A Dynamic Resource Balance Algorithm for Multi-tenant Placement Problem in SaaS. , 2013, , .		2
95	Bi-direction Adjust Heuristic for Workflow Scheduling in Clouds. , 2013, , .		6
96	Integrated Iterated Local Search for the Permutation Flowshop Problem with Tardiness Minimization. , 2013, , .		1
97	Cooperative discrete particle swarms for multi-mode resource-constrained projects. , 2013, , .		6
98	Shuffled Frog Leaping Algorithm for a Bi-objective No-Idle Permutation Flow Shop. , 2013, , .		3
99	Iterative algorithms for no-wait flowshop problems with sequence-dependent setup times. , 2013, , .		1
100	Efficient iterated greedy algorithm to minimize makespan for the no-wait flowshop with sequence dependent setup times. , 2012, , .		3
101	A hybrid genetic algorithm for resource-constrained multi-project scheduling problem with resource transfer time. , 2012, , .		7
102	Dynamic programming for services scheduling with start time constraints in distributed collaborative manufacturing systems. , 2012, , .		5
103	Special Issue on Collaborative Manufacturing and Supply Chains. International Journal of Computer Integrated Manufacturing, 2012, 25, 853-854.	2.9	0
104	Adaptive Hybrid Algorithms for the Sequence-Dependent Setup Time Permutation Flow Shop Scheduling Problem. IEEE Transactions on Automation Science and Engineering, 2012, 9, 578-595.	3.4	31
105	Heuristic methods for minimizing resource availability costs in multi-mode project scheduling. , 2012, , .		1
106	An improved harmony search algorithm for blocking job shop to minimize makespan. , 2012, , .		0
107	An industrial case study of feature-based in-process workpiece modeling. , 2012, , .		1
108	A memory and variable neighborhood structure based complete local search for the no-wait job shop problem. , 2012, , .		1

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109	A divide and conquer-based greedy search for two-machine no-wait job shop problems with makespan minimisation. International Journal of Production Research, 2012, 50, 2692-2704.	4.9	6
110	A Quantum-inspired Iterated Greedy algorithm for permutation flowshops in a collaborative manufacturing environment. International Journal of Computer Integrated Manufacturing, 2012, 25, 924-933.	2.9	7
111	A Resource Virtualization Mechanism for Cloud Manufacturing Systems. Lecture Notes in Business Information Processing, 2012, , 46-59.	0.8	16
112	A Client/Server Based Parallel Genetic Algorithm for Parallel Machines Scheduling Problem with Penalties. Advanced Science Letters, 2012, 6, 538-541.	0.2	0
113	Basic Research of Statistical Learning with Trust Theory Based Rough Sample. Advanced Science Letters, 2012, 6, 736-739.	0.2	0
114	An Effective Meta-Heuristic for No-Wait Job Shops to Minimize Makespan. IEEE Transactions on Automation Science and Engineering, 2011, , .	3.4	9
115	A Dynamic Resource Allocation Algorithm for Database-as-a-Service. , 2011, , .		6
116	Estimation of distribution algorithm for permutation flow shops with total flowtime minimization. Computers and Industrial Engineering, 2011, 60, 706-718.	3.4	49
117	Effective genetic algorithm for resource-constrained project scheduling with limited preemptions. International Journal of Machine Learning and Cybernetics, 2011, 2, 55-65.	2.3	41
118	A resource & capability virtualization method for cloud manufacturing systems. , 2011, , .		13
119	A RFID-based dual-command method for unit-load warehouse systems. , 2011, , .		4
120	A two-stage composite heuristic for dual cycling quay crane scheduling problem. , 2011, , .		2
121	An evolutionary algorithm for no-wait flowshop problems with flowtime minimization. , 2011, , .		1
122	Accelerated tabu search for no-wait flowshop scheduling problem with maximum lateness criterion. European Journal of Operational Research, 2010, 206, 64-72.	3.5	32
123	An effective evolutionary algorithm for Pre-emptive Resource-Constrained Project Scheduling problems. , 2010, , .		0
124	A Quantum-inspired Iterated Greedy algorithm for permutation flowshops with total flowtime minimization. , 2010, , .		2
125	A New Approach for Resource-Constrained Multi-Project Scheduling. , 2010, , .		2
126	An Effective Heuristic for On-line Tenant Placement Problem in SaaS. , 2010, , .		34



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127	SOA-based method for cooperative tasks distribution in large-scale optimization environments. , 2010, , .		0
128	A SOA Based Framework of Service Ability Description and Selection Methods for Application Integration in Manufacturing Domain. , 2009, , .		1
129	Efficient composite heuristics for total flowtime minimization in permutation flow shops. Omega, 2009, 37, 155-164.	3.6	129
130	Complete local search with limited memory algorithm for no-wait job shops to minimize makespan. European Journal of Operational Research, 2009, 198, 378-386.	3.5	38
131	Hybrid genetic algorithm for permutation flowshop scheduling problems with total flowtime minimization. European Journal of Operational Research, 2009, 196, 869-876.	3.5	101
132	Deadline division-based heuristic for cost optimization in workflow scheduling. Information Sciences, 2009, 179, 2562-2575.	4.0	89
133	Similarity based ant-colony algorithm for permutation flowshop scheduling problems with total flowtime minimization. , 2009, , .		2
134	Objective Increment Based Iterative Greedy Heuristic for No-Wait Flowshops with Total Flowtime Minimization. Jisuanji Xuebao/Chinese Journal of Computers, 2009, 32, 132-141.	0.3	8
135	Heuristic for no-wait flow shops with makespan minimization based on total idle-time increments. Science in China Series F: Information Sciences, 2008, 51, 896-909.	1.1	12
136	A new hybrid genetic algorithm for the bi-criteria no-wait flowshop scheduling problem with makespan and total flow time minimization. , 2008, , .		1
137	Heuristic for no-wait flow shops with makespan minimization. International Journal of Production Research, 2008, 46, 2519-2530.	4.9	49
138	Objective increment based hybrid GA for no-wait flowshops. , 2008, , .		0
139	Meta-heuristic for no-wait job shops with makespan minimization. , 2008, , .		0
140	Iterative local search algorithm for no-wait flowshop scheduling problems to minimize makespan. , 2008, , .		1
141	Composite heuristic algorithm for permutation flowshop scheduling problems with total flowtime minimization. , 2008, , .		1
142	Hybrid genetic-VNS algorithm with total flowtime minimization for the no-wait flowshop problem. , 2008, , .		0
143	Hybrid Heuristic for m-Machine No-Wait Flowshops to Minimize Total Completion Time. Lecture Notes in Computer Science, 2008, , 192-203.	1.0	2
144	Semantic Web Services based Data Exchange for Distributed and Heterogeneous Systems. , 2008, , 315-327.		0

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145	Web Service Based Method for Large Scale Flow Shops with Flowtime Minimization. , 2007, , .		0
146	Hybrid Heuristic for Total Flowtime Minimization in No-wait Flow Shops. , 2007, , .		0
147	Multi-Agent Based Framework for Dynamic Scheduling System. , 2007, , .		0
148	Cost Optimization Method for Workflows with Deadline Constraints in Grids. , 2007, , .		2
149	An Efficient Method for No-Wait Flow Shop Scheduling to Minimize Makespan. , 2006, , .		5
150	Time-Cost Tradeoff Dynamic Scheduling Algorithm for Workflows in Grids. , 2006, , .		11
151	A fast method for heuristics in large-scale flow shop scheduling. Tsinghua Science and Technology, 2006, 11, 12-18.	4.1	3
152	A Composite Algorithm for Total Completion-Time Minimization in Large Flow Shop Scheduling. , 2006, , .		0
153	Heuristics for permutation flow shops to minimize total flowtime. , 2006, , .		0
154	A Hybrid QoS-Based Algorithm for Independent Tasks Scheduling in Grid. , 2006, , .		1
155	Iterative Heuristics for Permutation Flow Shops with Total Flowtime Minimization. , 2006, , 349-356.		1
156	Dynamic Heuristics for Time and Cost Reduction in Grid Workflows. , 2006, , 499-508.		0