Shijun Liu

List of Publications by Year
in descending order

89 papers	621 citations	933447 10 h-index	794594 19 g-index
90 all docs	90 docs citations	90 times ranked	476 citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforced KGs reasoning for explainable sequential recommendation. World Wide Web, 2022, 25, 631-654.	4.0	14
2	A Cost-Effective Framework for Running Industrial Big Data Analysis Applications in Public Clouds. IEEE Internet of Things Journal, 2022, 9, 10554-10562.	8.7	2
3	Effeclouds: A cost-effective cloud-of-clouds framework for two-tier storage. Future Generation Computer Systems, 2022, 129, 33-49.	7.5	9
4	A Random Online Algorithm for Reselling Reserved IaaS Instances in Amazon's Cloud Marketplace. IEEE Transactions on Network Science and Engineering, 2022, 9, 1235-1244.	6.4	1
5	A Lyapunov optimization-based online scheduling algorithm for service provisioning in cloud computing. Future Generation Computer Systems, 2022, 134, 40-52.	7.5	5
6	A cost-driven online auto-scaling algorithm for web applications in cloud environments. Knowledge-Based Systems, 2022, 244, 108523.	7.1	3
7	An online algorithm for scheduling big data analysis jobs in cloud environments. Knowledge-Based Systems, 2022, 245, 108628.	7.1	6
8	Bidding Strategy Based on Adaptive Differential Evolution Algorithm for Dynamic Pricing IaaS Instances. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 458-478.	0.3	0
9	Keep Hot or Go Cold: A Randomized Online Migration Algorithm for Cost Optimization in STaaS Clouds. IEEE Transactions on Network and Service Management, 2021, 18, 4563-4575.	4.9	7
10	An Online Cost Optimization Algorithm for IaaS Instance Releasing in Cloud Environments. , 2021, , .		3
11	Cooperative Anomaly Detection Model and Real-Time Update Strategy for Industrial Stream Data. Communications in Computer and Information Science, 2021, , 307-319.	0.5	1
12	ADARC: An anomaly detection algorithm based on relative outlier distance and biseries correlation. Software - Practice and Experience, 2020, 50, 2065-2081.	3.6	12
13	SGDANâ€"A Spatio-Temporal Graph Dual-Attention Neural Network for Quantified Flight Delay Prediction. Sensors, 2020, 20, 6433.	3.8	8
14	Backup or Not: An Online Cost Optimal Algorithm for Data Analysis Jobs Using Spot Instances. IEEE Access, 2020, 8, 144945-144956.	4.2	3
15	Employing Shadows for Multi-Person Tracking Based on a Single RGB-D Camera. Sensors, 2020, 20, 1056.	3.8	5
16	To Transfer or Not: An Online Cost Optimization Algorithm for Using Two-Tier Storage-as-a-Service Clouds. IEEE Access, 2019, 7, 94263-94275.	4.2	11
17	Selecting Superior Candidates from a Suitable Set: A Selective Extraction Algorithm for Accelerating Shapelet Discovery in Time Series Data. , 2019, , .		1
18	XG-SF: An XGBoost Classifier Based on Shapelet Features for Time Series Classification. Procedia Computer Science, 2019, 147, 24-28.	2.0	24

#	Article	IF	Citations
19	A just-in-time shapelet selection service for online time series classification. Computer Networks, 2019, 157, 89-98.	5.1	17
20	A Reinforcement Learning Based Auto-Scaling Approach for SaaS Providers in Dynamic Cloud Environment. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	23
21	A 2D Transform Based Distance Function for Time Series Classification. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 543-559.	0.3	1
22	Psychological Gender Express via Mobile Social Network Activities: An Experimental Study on a Gay Network Data. IEEE Access, 2019, 7, 12696-12704.	4.2	0
23	An Online Algorithm for Selling Your Reserved IaaS Instances in Amazon EC2 Marketplace. , 2019, , .		4
24	A fast shapelet selection algorithm for time series classification. Computer Networks, 2019, 148, 231-240.	5.1	54
25	Subscription or Pay-as-You-Go: Optimally Purchasing IaaS Instances in Public Clouds. , 2018, , .		8
26	A Truthful Mechanism for Scheduling and Pricing Pleasingly Parallel Jobs in a Service Cloud. , 2018, , .		2
27	A Shapelet Selection Algorithm for Time Series Classification: New Directions. Procedia Computer Science, 2018, 129, 461-467.	2.0	19
28	Mechanisms for Optimally Scheduling and Pricing Pleasingly Parallel Jobs in Service Clouds. IEEE Access, 2018, 6, 73733-73749.	4.2	4
29	Performance Analysis of Service Clouds Serving Composite Service Application Jobs. , 2018, , .		8
30	DRL-Scheduling: An Intelligent QoS-Aware Job Scheduling Framework for Applications in Clouds. IEEE Access, 2018, 6, 55112-55125.	4.2	66
31	A Market-Oriented Heuristic Algorithm for Scheduling Parallel Applications in Big Data Service Platform. , 2018, , .		2
32	To Sell or Not To Sell: Trading Your Reserved Instances in Amazon EC2 Marketplace. , 2018, , .		5
33	Nash Equilibrium and Decentralized Pricing for QoS Aware Service Composition in Cloud Computing Environments. , 2017, , .		8
34	Performance Analysis of Cloud Computing Centers Serving Parallelizable Rendering Jobs Using M/M/c/r Queuing Systems. , 2017, , .		6
35	Selling Reserved Instances through Pay-as-You-Go Model in Cloud Computing. , 2017, , .		7
36	Link prediction by exploiting network formation games in exchangeable graphs. , 2017, , .		4

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37	Predicting hospital readmission from longitudinal healthcare data using graph pattern mining based temporal phenotypes. , 2017, , .		7
38	A collaborative filtering based approach to performance prediction for parallel applications. , 2017, , .		1
39	Real-Time Soft Resource Allocation in Multi-Tier Web Service Systems. , 2017, , .		2
40	An Experimental Study of the Impact of vCPU Provisioning on the Performance of a 2-Tier Application Running in Cloud. , 2017, , .		0
41	Distributed ACO based on a crowdsourcing model for multiobjective problem. , 2017, , .		1
42	A Fast Shapelet Discovery Algorithm Based on Important Data Points. International Journal of Web Services Research, 2017, 14, 67-80.	0.8	22
43	Device Data Ingestion for Industrial Big Data Platforms with a Case Study. Sensors, 2016, 16, 279.	3.8	36
44	A Distributed Game-Theoretic Approach for IaaS Service Trading in an Auction-Based Cloud Market. , 2016, , .		2
45	Integrating Theoretical Modeling and Experimental Measurement for Soft Resource Allocation in Multi-tier Web Systems. , 2016, , .		4
46	A Self-Evolving Method of Data Model for Cloud-Based Machine Data Ingestion. , 2016, , .		5
47	SpatialGraphx: A Distributed Graph Computing Framework for Spatial and Temporal Data at Scale. , 2016, , .		0
48	A cost-optimal service selection approach for collaborative workflow execution in clouds. , 2016, , .		1
49	A piecewise linear representation method based on importance data points for time series data. , 2016, , .		14
50	A Sub Chunk-Confusion Based Privacy Protection Mechanism for Association Rules in Cloud Services. International Journal of Software Engineering and Knowledge Engineering, 2016, 26, 539-562.	0.8	3
51	Big Datasets for Research: A Survey on Flagship Conferences. , 2016, , .		1
52	IBDP: An Industrial Big Data Ingestion and Analysis Platform and Case Studies. , 2015, , .		12
53	Data Organization Patterns for Cloud Enterprise Applications. , 2014, , .		0
54	Enterprise Relationship Network: Build Foundation for Social Business. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
55	A Win-Win Multi-issue Service Negotiation Model Based on Bayesian Learning. , 2013, , .		2
56	Hypergraph-Based Service Dependency Resolving and Its Applications. , 2012, , .		2
57	A cooperative construction approach for SaaS applications. , 2012, , .		4
58	A Novel QoS-Aware Service Composition Approach Based on Path Decomposition. , 2012, , .		4
59	Construct SaaS Applications from Multi-abstract-level: Method and System. , 2012, , .		1
60	LSWAP: A Large Scale Workflow Applications Platform for Cloud Environment. , 2011, , .		0
61	A Hybrid Approach to Placement of Tenants for Service-Based Multi-tenant SaaS Application. , 2011, , .		6
62	A Dependency-Aware Hierarchical Service Model for SaaS and Cloud Services. , 2011, , .		11
63	An Integrated Multi-channel Messaging Model supporting for business collaboration. , 2011, , .		2
64	The personalized service customization based on multimedia resources in digital museum grid. , 2010, , .		5
65	A service-oriented architecture of virtual enterprise for manufacturing industry. , 2010, , .		1
66	LBVS: A Load Balancing Strategy for Virtual Storage. , 2010, , .		31
67	Duplicate removal algorithms of Indel Gap in protein sequence alignment. , 2010, , .		0
68	Service-oriented enterprise interoperability in automobile supply chain management. Computer Science and Information Systems, 2010, 7, 31-49.	1.0	9
69	Digital media service oriented digital museum Grid. , 2009, , .		1
70	A Web-Based Problem Solving Environment for Weave Pattern Design. , 2009, , .		1
71	Double Redundant Fault-Tolerance Service Routing Model in ESB. , 2009, , .		9
72	Towards high level SaaS maturity model: Methods and case study. , 2009, , .		11

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73	Dynamic Reliable Service Routing in Enterprise Service Bus. , 2008, , .		15
74	A RFID & Handheld Device-Based Museum Guide System. , 2007, , .		16
75	Service-oriented encapsulation of manufacturing resources. , 2007, , .		6
76	Research on Semantic Attributes Based Partner Selection in Virtual Manufacturing Enterprises. , 2007, , .		0
77	A Visual Lens Toolkit for Mobile Devices. , 2007, , .		1
78	Grid-enabled Chinese Natural Language-Based Information Retrieval System In Digital Museum. , 2007, , .		3
79	Ontology-based Resource Description in Manufacturing Grid. , 2007, , .		3
80	Service-oriented integration of industrial simulation codes. , 2007, , .		0
81	A Visual Lens Toolkit for Mobile Devices. , 2007, , .		0
82	Execution Management in ChinaGrid Supporting Platform. , 2006, , .		0
83	Data Management System in Manufacturing Grid. , 2006, , .		1
84	Dynamic Manufacturing Job Management in Manufacturing Grid. , 2006, , .		1
85	An approach for flexible RBAC workflow system. , 2005, , .		2
86	Resource organizing in the manufacturing grid. , 2005, , .		0
87	Research on engineering change management in virtual enterprise. , 0, , .		1
88	A rating prediction model with cross projection and evolving GCN for bitcoin trading network. Personal and Ubiquitous Computing, 0, , 1.	2.8	0
89	Ontology Guided Sparse Tensor Factorization for joint recommendation with hierarchical relationships. Personal and Ubiquitous Computing, 0, , 1.	2.8	0