Jiwei Huang

List of Publications by Year
in descending order

52	720	759233 12	713466 21
papers	citations	h-index	g-index

53	53	53	518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scalability of control planes for Software defined networks: Modeling and evaluation. , 2014, , .		61
2	Revenue-optimal task scheduling and resource management for IoT batch jobs in mobile edge computing. Peer-to-Peer Networking and Applications, 2020, 13, 1776-1787.	3.9	54
3	Dynamic Admission Control and Resource Allocation for Mobile Edge Computing Enabled Small Cell Network. IEEE Transactions on Vehicular Technology, 2022, 71, 1964-1973.	6.3	54
4	A Multiâ€queue Approach of Energy Efficient Task Scheduling for Sensor Hubs. Chinese Journal of Electronics, 2020, 29, 242-247.	1.5	53
5	Geographical POI recommendation for Internet of Things: A federated learning approach using matrix factorization. International Journal of Communication Systems, 0, , .	2.5	51
6	Multi-Objective Service Composition with QoS Dependencies. IEEE Transactions on Cloud Computing, 2019, 7, 537-552.	4.4	30
7	Distributed Offloading in Overlapping Areas of Mobile-Edge Computing for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 13837-13847.	8.7	29
8	A PetriNet-Based Approach for Supporting Traceability in Cyber-Physical Manufacturing Systems. Sensors, 2016, 16, 382.	3.8	27
9	Partial Selection: An Efficient Approach for QoS-Aware Web Service Composition. , 2014, , .		21
10	Modeling and Analysis of Dependability Attributes for Services Computing Systems. IEEE Transactions on Services Computing, 2014, 7, 599-613.	4.6	21
11	Energy Efficient Resource Management and Task Scheduling for IoT Services in Edge Computing Paradigm. , 2017, , .		21
12	A Simulation-Based Optimization Approach for Reliability-Aware Service Composition in Edge Computing. IEEE Access, 2020, 8, 50355-50366.	4.2	21
13	Performance, Fault-Tolerance and Scalability Analysis of Virtual Infrastructure Management System. , 2009, , .		20
14	Modeling and Analysis of Dependability Attributes of Service Computing Systems. , 2011, , .		17
15	Modeling, Analysis and Optimization of Dependability-Aware Energy Efficiency in Services Computing Systems. , 2013, , .		17
16	Time-Aware Service Ranking Prediction in the Internet of Things Environment. Sensors, 2017, 17, 974.	3.8	16
17	Barriers to Software Outsourcing Partnership Formation: An Exploratory Analysis. IEEE Access, 2019, 7, 164556-164594.	4.2	16
18	Agent-Based Green Web Service Selection and Dynamic Speed Scaling. , 2013, , .		15

#	Article	IF	Citations
19	Fuzzy Multicriteria Decision-Making Approach for Measuring the Possibility of Cloud Adoption for Software Testing. Scientific Programming, 2020, 2020, 1-24.	0.7	13
20	Analyzing the interactions among factors affecting cloud adoption for software testing: a two-stage ISM-ANN approach. Soft Computing, 2022, 26, 8047-8075.	3.6	13
21	Improving Energy Efficiency in Web Services. International Journal of Web Services Research, 2013, 10, 29-52.	0.8	12
22	A Price-Incentive Resource Auction Mechanism Balancing the Interests Between Users and Cloud Service Provider. IEEE Transactions on Network and Service Management, 2021, 18, 2030-2045.	4.9	12
23	A Simulation-Based Approach of QoS-Aware Service Selection in Mobile Edge Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	11
24	Energy Efficient Dynamic Service Selection for Large-Scale Web Service Systems. , 2014, , .		10
25	A framework for modelling structural association amongst barriers to software outsourcing partnership formation: An interpretive structural modelling approach. Journal of Software: Evolution and Process, 2020, 32, e2243.	1.6	10
26	Performance modelling and analysis for IoT services. International Journal of Web and Grid Services, 2018, 14, 146.	0.5	9
27	Internet of Things-Based Smart Farming Monitoring System for Bolting Reduction in Onion Farms. Scientific Programming, 2021, 2021, 1-15.	0.7	9
28	Comprehensive Analysis of Performance, Fault-Tolerance and Scalability in Grid Resource Management System. , 2009, , .		7
29	An Empirical Investigation of the Challenges of Cloud-Based ERP Adoption in Pakistani SMEs. Scientific Programming, 2021, 2021, 1-8.	0.7	7
30	Resource Pricing and Demand Allocation for Revenue Maximization in IaaS Clouds: A Market-Oriented Approach. IEEE Transactions on Network and Service Management, 2021, 18, 3460-3475.	4.9	7
31	Group task allocation approach for heterogeneous software crowdsourcing tasks. Peer-to-Peer Networking and Applications, 2021, 14, 1736-1747.	3.9	6
32	QoE-DEER: A QoE-Aware Decentralized Resource Allocation Scheme for Edge Computing. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1059-1073.	7.9	5
33	Practitionerâ€™s view of the success factors for software outsourcing partnership formation: an empirical exploration. Empirical Software Engineering, 2022, 27, 1.	3.9	5
34	Ranking Web Services with Limited and Noisy Information. , 2014, , .		4
35	Integrating Theoretical Modeling and Experimental Measurement for Soft Resource Allocation in Multi-tier Web Systems. , 2016, , .		4
36	FASS: A Fairness-Aware Approach for Concurrent Service Selection with Constraints. , 2019, , .		4

#	Article	IF	Citations
37	Edge User Allocation in Overlap Areas for Mobile Edge Computing. Mobile Networks and Applications, 2021, 26, 2423-2433.	3.3	4
38	Modeling and analysis of data dependencies in business process for data-intensive services. China Communications, 2017, 14, 151-163.	3.2	3
39	Thinking and methodology of multi-objective optimization. International Journal of Machine Learning and Cybernetics, 2018, 9, 2117-2127.	3.6	3
40	PFPMine: A parallel approach for discovering interacting data entities in data-intensive cloud workflows. Future Generation Computer Systems, 2020, 113, 474-487.	7.5	3
41	Real-Time Soft Resource Allocation in Multi-Tier Web Service Systems. , 2017, , .		2
42	Deploying GIS Services into the Edge: A Study from Performance Evaluation and Optimization Viewpoint. Security and Communication Networks, 2020, 2020, 1-13.	1.5	2
43	Efficient Segmentation of Lymphoblast in Acute Lymphocytic Leukemia. Scientific Programming, 2021, 2021, 1-7.	0.7	2
44	Model-Based Evaluation and Optimization of Dependability for Edge Computing Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 728-747.	0.3	2
45	Efficient Delay-Aware Task Scheduling for IoT Devices in Mobile Cloud Computing. Mobile Information Systems, 2022, 2022, 1-10.	0.6	2
46	The Power of Refresh: A Novel Mechanism for Securing Low Entropy PII. , 2011, , .		1
47	Hierarchical caches in content-centric networks: modeling and analysis. Frontiers of Computer Science, 2015, 9, 846-859.	2.4	1
48	Energy Efficient Speed Scaling and Task Scheduling for Distributed Computing Systems. Chinese Journal of Electronics, 2015, 24, 468-473.	1.5	1
49	An Iterative Feedback Mechanism for Auto-Optimizing Software Resource Allocation in Multi-Tier Web Systems. , 2020, , .		1
50	Reliability-Aware Speed Control Policy for Energy Reduction in Server Farms. , 2012, , .		0
51	An reinforcement learning approach for allocating software resources. Concurrency Computation Practice and Experience, 2023, 35, e6349.	2.2	0
52	A Game-Based Scheme for Resource Purchasing and Pricing in MEC for Internet of Things. Security and Communication Networks, 2021, 2021, 1-10.	1.5	0