Chen Wang

List of Publications by Year
in descending order

73 papers	1,484 citations	840776 11 h-index	526287 27 g-index
75 all docs	75 docs citations	75 times ranked	1253 citing authors

#	Article	IF	Citations
1	Toward Trustworthy AI: Blockchain-Based Architecture Design for Accountability and Fairness of Federated Learning Systems. IEEE Internet of Things Journal, 2023, 10, 3276-3284.	8.7	33
2	Attn-HybridNet: Improving Discriminability of Hybrid Features With Attention Fusion. IEEE Transactions on Cybernetics, 2022, 52, 6567-6578.	9.5	2
3	A Systematic Literature Review on Federated Machine Learning. ACM Computing Surveys, 2022, 54, 1-39.	23.0	67
4	Online Characterization and Detection of False Data Injection Attacks in Wide-Area Monitoring Systems. IEEE Transactions on Power Systems, 2022, 37, 2549-2562.	6.5	5
5	Architectural patterns for the design of federated learning systems. Journal of Systems and Software, 2022, 191, 111357.	4.5	28
6	Can Steering Wheel Detect Your Driving Fatigue?. IEEE Transactions on Vehicular Technology, 2021, 70, 5537-5550.	6.3	7
7	Impact of spatial resolution on the quality of crop yield predictions for site-specific crop management. Agricultural and Forest Meteorology, 2021, 310, 108622.	4.8	5
8	Human-Understandable Decision Making for Visual Recognition. Lecture Notes in Computer Science, 2021, , 168-180.	1.3	1
9	DyBatch: Efficient Batching and Fair Scheduling for Deep Learning Inference on Time-sharing Devices. , 2020, , .		4
10	Parkes Transient Events. I. Database of Single Pulses, Initial Results, and Missing Fast Radio Bursts. Astrophysical Journal, Supplement Series, 2020, 249, 14.	7.7	7
11	Filament intersections and cold dense cores in Orion A North. Monthly Notices of the Royal Astronomical Society, 2020, 497, 793-808.	4.4	4
12	MPB: Multi-Peak Binarization for Pupil Detection. Lecture Notes in Computer Science, 2020, , 283-298.	1.3	0
13	SMINT. ACM Transactions on the Web, 2020, 14, 1-28.	2.5	4
14	Adversarial Attacks in a Deep Reinforcement Learning based Cluster Scheduler. , 2020, , .		0
15	Vulnerabilities, Threats, and Impacts of False Data Injection Attacks in Smart Grids: An Overview. , 2020, , .		8
16	DeepCU: Integrating both Common and Unique Latent Information for Multimodal Sentiment Analysis. , 2019, , .		29
17	Adversarial Examples for Graph Data: Deep Insights into Attack and Defense. , 2019, , .		144
18	A Case Based Deep Neural Network Interpretability Framework and Its User Study. Lecture Notes in Computer Science, 2019, , 147-161.	1.3	0

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19	A Compliance Checking Framework for DNN Models. , 2019, , .		2
20	Sharing Deep Neural Network Models with Interpretation. , 2018, , .		10
21	DCDedupe: Selective Deduplication and Delta Compression with Effective Routing for Distributed Storage. Journal of Grid Computing, 2018, 16, 195-209.	3.9	7
22	A Differentiated Caching Mechanism to Enable Primary Storage Deduplication in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1202-1216.	5.6	21
23	Hybrid Networks: Improving Deep Learning Networks via Integrating Two Views of Images. Lecture Notes in Computer Science, 2018, , 46-58.	1.3	3
24	One Size Does Not Fit All: The Case for Chunking Configuration in Backup Deduplication. , 2018, , .		1
25	Enhancing online video recommendation using social user interactions. VLDB Journal, 2017, 26, 637-656.	4.1	30
26	Improving Storage Efficiency for Raw Image Photo Repository by Exploiting Similarity. , 2016, , .		0
27	Dynamic Request Redirection and Resource Provisioning for Cloud-Based Video Services under Heterogeneous Environment. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1954-1967.	5.6	35
28	Design and Evaluation of an Integrated Collaboration Platform for Secure Information Sharing. Lecture Notes in Computer Science, 2016, , 185-193.	1.3	1
29	Secure Collaboration Platform: A Case Study in the Biosecurity Domain. , 2015, , .		0
30	A Secure Integrated Platform for Rapdily Formed Multiorganisation Collaborations. , 2015, , .		1
31	Inline Data Deduplication for SSD-Based Distributed Storage. , 2015, , .		1
32	Online Video Recommendation in Sharing Community. , 2015, , .		32
33	Cadec: A corpus of adverse drug event annotations. Journal of Biomedical Informatics, 2015, 55, 73-81.	4.3	154
34	Text and Data Mining Techniques in Adverse Drug Reaction Detection. ACM Computing Surveys, 2015, 47, 1-39.	23.0	96
35	Profiling-Based Workload Consolidation and Migration in Virtualized Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 878-890.	5.6	69
36	Differences between social media and regulatory databases in adverse drug reaction discovery. , 2014, , .		3

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37	Virt-B: Towards Performance Benchmarking of Virtual Machine Systems. IEEE Internet Computing, 2014, 18, 64-72.	3.3	6
38	Throughput Enhancement through Selective Time Sharing and Dynamic Grouping. , 2013, , .		3
39	Enabling Demand Response in a computer cluster. , 2013, , .		2
40	Systematic Analysis of Public Cloud Service Level Agreements and Related Business Values. , 2013, , .		16
41	An Online Query Authentication System for Outsourced Databases. , 2013, , .		1
42	Priority-Based Consolidation of Parallel Workloads in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1874-1883.	5.6	55
43	A Mobile Cloud with Trusted Data Provenance Services for Bioinformatics Research. Studies in Computational Intelligence, 2013, , 109-128.	0.9	4
44	A Social Network Based Collaborative Video Story Composition Platform. Lecture Notes in Computer Science, 2013, , 443-446.	1.3	1
45	Backfilling under Two-tier Virtual Machines. , 2012, , .		3
46	A Query Verification Method for Making Outsourced Databases Trustworthy. , 2012, , .		1
47	Just Satisfactory Resource Provisioning for Parallel Applications in the Cloud. , 2012, , .		8
48	Workload Characteristic Oriented Scheduler for MapReduce. , 2012, , .		20
49	Demand Response aware cluster resource provisioning for parallel applications. , 2012, , .		2
50	Consumer Operational Comfort Level based power demand management in the smart grid. , 2012, , .		11
51	Hardware Security Device Facilitated Trusted Energy Services. Mobile Networks and Applications, 2012, 17, 564-577.	3.3	1
52	Profit-driven scheduling for cloud services with data access awareness. Journal of Parallel and Distributed Computing, 2012, 72, 591-602.	4.1	94
53	Profiling Applications for Virtual Machine Placement in Clouds. , 2011, , .		50
54	Tradeoffs Between Profit and Customer Satisfaction for Service Provisioning in the Cloud. , 2011, , .		101

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55	Modelling Collaborative Services for Business and QoS Compliance. , 2011, , .		11
56	A novel integrative phylogenetic analysis system. International Journal of Computational Biology and Drug Design, 2010, 3, 1.	0.3	0
57	Profit-Driven Service Request Scheduling in Clouds. , 2010, , .		102
58	EvolvingSpace: A Data Centric Framework for Integrating Bioinformatics Applications. IEEE Transactions on Computers, 2010, 59, 721-734.	3.4	4
59	Accountability as a Service for the Cloud. , 2010, , .		54
60	On the Effect of Using Third-Party Clouds for Maximizing Profit. Lecture Notes in Computer Science, 2010, , 381-390.	1.3	4
61	Managing end-user preferences in the smart grid. , 2010, , .		38
62	Accountability as a Service for the Cloud: From Concept to Implementation with BPEL. , 2010, , .		15
63	A Contract-Based Accountability Service Model. , 2009, , .		8
64	A Service-Oriented System for Optimizing Residential Energy Use. , 2009, , .		22
65	Secure and Conditional Resource Coordination for Successful Collaborations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 287-303.	0.3	1
66	Facilitating Dynamic Collaborations with eContract Services. , 2008, , .		6
67	Cooperative Data Management Services Based on Accountable Contract. Lecture Notes in Computer Science, 2008, , 301-318.	1.3	6
68	Effects of Replica Placement Algorithms on Performance of structured Overlay Networks. , 2007, , .		7
69	Scaling up Genome Similarity Search Services through Content Distribution. , 2007, , .		4
70	Distributing Genome Sequence Databases with a Publish/Subscribe Middleware. , 2007, , .		0
71	A Self-Organizing Search Engine for RSS Syndicated Web Contents. , 2006, , .		4
72	A BLAST Service Built on Data Indexed Overlay Network. , 0, , .		4

#	Article	IF	Citations
73	Data Syndication Techniques for Bioinformatics Applications. , 0, , 157-177.		0