Lydia Y Chen

List of Publications by Year
in descending order

26 papers	360 citations	1307594 7 h-index	996975 15 g-index
26 all docs	26 docs citations	26 times ranked	267 citing authors

#	Article	IF	Citations
1	Multiple Strategies Differential Privacy on Sparse Tensor Factorization for Network Traffic Analysis in 5G. IEEE Transactions on Industrial Informatics, 2022, 18, 1939-1948.	11.3	80
2	State-of-the-practice in data center virtualization: Toward a better understanding of VM usage. , 2013, , .		44
3	Opportunistic Service Provisioning in the Cloud. , 2012, , .		36
4	Failure Analysis and Prediction for Big-Data Systems. IEEE Transactions on Services Computing, 2017, 10, 984-998.	4.6	34
5	Effective Capacity Modulation as an Explicit Control Knob for Public Cloud Profitability. , 2016, , .		22
6	Achieving application-centric performance targets via consolidation on multicores. , 2012, , .		21
7	Accelerating Gossip-Based Deep Learning in Heterogeneous Edge Computing Platforms. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1591-1602.	5.6	17
8	Workload-Adaptive Configuration Tuning for Hierarchical Cloud Schedulers. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2879-2895.	5.6	16
9	Virtualization in the Private Cloud: State of the Practice. IEEE Transactions on Network and Service Management, 2016, 13, 608-621.	4.9	12
10	Cutting Latency Tail: Analyzing and Validating Replication without Canceling. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3128-3141.	5.6	9
11	QoS-Aware Service VM Provisioning in Clouds: Experiences, Models, and Cost Analysis. Lecture Notes in Computer Science, 2013, , 69-83.	1.3	9
12	EdgeTuner: Fast Scheduling Algorithm Tuning for Dynamic Edge-Cloud Workloads and Resources. , 2022, , .		9
13	Dual Scaling VMs and Queries: Cost-Effective Latency Curtailment. , 2017, , .		7
14	SlimML: Removing Non-critical Input Data in Large-scale Iterative Machine Learning. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	6
15	Accurate Differentially Private Deep Learning on the Edge. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2231-2247.	5.6	6
16	AdaptiveConfig: Run-Time Configuration of Cluster Schedulers for Cloud Short-Running Jobs. , 2018, , .		5
17	Federated Learning With Heterogeneity-Aware Probabilistic Synchronous Parallel on Edge. IEEE Transactions on Services Computing, 2022, 15, 614-626.	4.6	5
18	Power of redundancy: Designing partial replication for multi-tier applications. , 2017, , .		4

#	Article	IF	Citations
19	Guest Editorial: Special Section on Data Analytics and Machine Learning for Network and Service Managementâ€"Part I. IEEE Transactions on Network and Service Management, 2020, 17, 1971-1974.	4.9	4
20	SGD_Tucker: A Novel Stochastic Optimization Strategy for Scalable Parallel Sparse Tucker Decomposition. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	4
21	Guest Editorial: Special Issue on Data Analytics and Machine Learning for Network and Service Managementâ€"Part II. IEEE Transactions on Network and Service Management, 2021, 18, 775-779.	4.9	3
22	Making Neighbors Quiet: An Approach to Detect Virtual Resource Contention. IEEE Transactions on Services Computing, 2020, 13, 843-856.	4.6	2
23	Enhancing Robustness of On-line Learning Models on Highly Noisy Data. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	2
24	sPARE: Partial Replication for Multi-Tier Applications in the Cloud. IEEE Transactions on Services Computing, 2021, 14, 574-588.	4.6	1
25	Automatic Privacy and Utility Preservation for Mobility Data: A Nonlinear Model-Based Approach. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 269-282.	5.4	1
26	Locality Sensitive Hash Aggregated Nonlinear Neighborhood Matrix Factorization for Online Sparse Big Data Analysis. ACM/IMS Transactions on Data Science, 2021, 2, 1-27.	2.0	1