Lin Gu

List of Publications by Year
in descending order

36 papers	1,000 citations	933447 10 h-index	839539 18 g-index
36 all docs	36 docs citations	36 times ranked	1119 citing authors

#	ARTICLE	IF	CITATIONS
1	A Structure-Aware Storage Optimization for Out-of-Core Concurrent Graph Processing. IEEE Transactions on Computers, 2022, 71, 1612-1625.	3.4	4
2	Sensing or Transmission? Stochastic Scheduling of Energy-Harvesting Sensors Toward Zero-Carbon IoT. IEEE Transactions on Green Communications and Networking, 2022, 6, 1132-1140.	5.5	6
3	EGraph: Efficient Concurrent GPU-based Dynamic Graph Processing. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	3
4	Layer-aware Collaborative Microservice Deployment toward Maximal Edge Throughput. , 2022, , .		7
5	Efficient and Secure Deep Learning Inference in Trusted Processor Enabled Edge Clouds. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4311-4325.	5.6	3
6	On the Joint Optimization of Function Assignment and Communication Scheduling toward Performance Efficient Serverless Edge Computing. , 2022, , .		4
7	A Network Calculus Based Delay and Backlog Analysis for Cloud Radio Access Networks. Mobile Networks and Applications, 2021, 26, 1172-1181.	3.3	1
8	DepGraph: A Dependency-Driven Accelerator for Efficient Iterative Graph Processing. , 2021, , .		12
9	Layer Aware Microservice Placement and Request Scheduling at the Edge. , 2021, , .		19
10	Exploring Layered Container Structure for Cost Efficient Microservice Deployment. , 2021, , .		12
11	Gost: Enabling Efficient Spatio-Temporal GPU Sharing for Network Function Virtualization. , 2021, , .		3
12	LargeGraph. Transactions on Architecture and Code Optimization, 2021, 18, 1-24.	2.0	3
13	Lasagna. , 2021, , .		7
14	Intelligent VNF Orchestration and Flow Scheduling via Model-Assisted Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 279-291.	14.0	60
15	Service Function Chain Deployment and Network Flow Scheduling in Geo-Distributed Data Centers. IEEE Transactions on Network Science and Engineering, 2020, 7, 2587-2597.	6.4	13
16	A Game-based Network Slicing and Resource Scheduling for Compute First Networking. , 2020, , .		2
17	AsynGraph. Transactions on Architecture and Code Optimization, 2020, 17, 1-21.	2.0	9
18	Task Offloading in Trusted Execution Environment empowered Edge Computing. , 2020, , .		3

#	Article	IF	Citations
19	A Customized Reinforcement Learning based Binary Offloading in Edge Cloud. , 2020, , .		1
20	Offloading Federated Learning Task to Edge Computing with Trust Execution Environment. , 2020, , .		5
21	DiGraph. , 2019, , .		30
22	CGraph. ACM Transactions on Storage, 2019, 15, 1-26.	2.1	11
23	Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain. IEEE Journal on Selected Areas in Communications, 2019, 37, 1059-1071.	14.0	42
24	Detection of multipath routing with passive delay measurements: Hypothesis testing approaches. Transactions on Emerging Telecommunications Technologies, 2019, , e3758.	3.9	0
25	When Green Energy Meets Cloud Radio Access Network: Joint Optimization Towards Brown Energy Minimization. Mobile Networks and Applications, 2019, 24, 962-970.	3.3	12
26	FBSGraph: Accelerating Asynchronous Graph Processing via Forward and Backward Sweeping. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 895-907.	5.7	16
27	Cost Efficient State-Aware Function Placement and Flow Scheduling for NFV Networks. , 2018, , .		1
28	Energy-Efficient Coordinated Multipoint Scheduling in Green Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2018, 67, 9922-9930.	6.3	21
29	Stochastic Scheduling Towards Cost Efficient Network Function Virtualization in Edge Cloud. , 2018, , .		7
30	Cost Efficient Resource Management in Fog Computing Supported Medical Cyber-Physical System. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 108-119.	4.6	297
31	FRANK: A Fast Node Ranking Approach in Large-Scale Networks. IEEE Network, 2017, 31, 36-43.	6.9	9
32	Minimize Coflow Completion Time via Joint Optimization of Flow Scheduling and Processor Placement. , 2017, , .		0
33	Green C-RAN: A Joint Approach to the Design and Energy Optimization. , 2017, , .		0
34	Joint Optimization of Virtual Function Migration and Rule Update in Software Defined NFV Networks. , 2017, , .		16
35	HotGraph: Efficient Asynchronous Processing for Real-World Graphs. IEEE Transactions on Computers, 2017, 66, 799-809.	3.4	18
36	Joint Optimization of Task Scheduling and Image Placement in Fog Computing Supported Software-Defined Embedded System. IEEE Transactions on Computers, 2016, 65, 3702-3712.	3.4	343