

# Yangming Zhao

## List of Publications by Year in descending order

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37  
papers

681  
citations

1163065

8  
h-index

1058452

14  
g-index

37  
all docs

37  
docs citations

37  
times ranked

605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapier: Integrating routing and scheduling for coflow-aware data center networks. , 2015, , .		141
2	Availability-aware mapping of service function chains. , 2017, , .		110
3	A Framework for Provisioning Availability of NFV in Data Center Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2246-2259.	14.0	61
4	Offloading Dependent Tasks in Mobile Edge Computing with Service Caching. , 2020, , .		60
5	Offloading Tasks With Dependency and Service Caching in Mobile Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2777-2792.	5.6	57
6	Towards Practical and Near-Optimal Coflow Scheduling for Data Center Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3366-3380.	5.6	54
7	Virtual Network Mapping for Multicast Services With Maxâ€“Min Fairness of Reliability. Journal of Optical Communications and Networking, 2015, 7, 942.	4.8	28
8	Load balance vs energy efficiency in traffic engineering: A game Theoretical Perspective. , 2013, , .		27
9	E2E Fidelity Aware Routing and Purification for Throughput Maximization in Quantum Networks. , 2022, , .		17
10	Towards optimal outsourcing of service function chain across multiple clouds. , 2016, , .		11
11	Towards Comprehensive Traffic Forecasting in Cloud Computing: Design and Application. IEEE/ACM Transactions on Networking, 2016, 24, 2210-2222.	3.8	11
12	OpenFunction: An Extensible Data Plane Abstraction Protocol for Platform-Independent Software-Defined Middleboxes. IEEE/ACM Transactions on Networking, 2018, 26, 1488-1501.	3.8	10
13	On Progressive Recovery in Interdependent Cyber Physical Systems. , 2016, , .		9
14	Accelerating Federated Learning With Cluster Construction and Hierarchical Aggregation. IEEE Transactions on Mobile Computing, 2023, 22, 3805-3822.	5.8	9
15	Dynamic Topology Management in Optical Data Center Networks. Journal of Lightwave Technology, 2015, 33, 4050-4062.	4.6	8
16	Joint Reducer Placement and Coflow Bandwidth Scheduling for Computing Clusters. IEEE/ACM Transactions on Networking, 2021, 29, 438-451.	3.8	7
17	Multiobjective Optimization for Green Network Routing in Game Theoretical Perspective. IEEE Journal on Selected Areas in Communications, 2015, 33, 2801-2814.	14.0	6
18	Minimize the Make-span of Batched Requests for FPGA Pooling in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2514-2527.	5.6	6

#	ARTICLE	IF	CITATIONS
19	RPC: Joint Online Reducer Placement and Coflow Bandwidth Scheduling for Clusters. , 2018, , .		6
20	Dynamic Service Entity Placement for Latency Sensitive Applications in Transportation Systems. IEEE Transactions on Mobile Computing, 2021, 20, 460-472.	5.8	6
21	TRUST: Real-Time Request Updating with Elastic Resource Provisioning in Clouds. , 2022, , .		6
22	A Scheme to Optimize Flow Routing and Polling Switch Selection of Software Defined Networks. PLoS ONE, 2015, 10, e0145437.	2.5	5
23	Robustness-Aware Real-Time SFC Routing Update in Multi-Tenant Clouds. , 2021, , .		4
24	Towards Robust Multi-Tenant Clouds Through Multi-Constrained VM Placement. , 2021, , .		4
25	Online Entanglement Routing in Quantum Networks. , 2022, , .		4
26	Enhancing the robustness of interdependent cyber-physical systems by designing the interdependency relationship. , 2017, , .		3
27	Job Scheduling for Acceleration Systems in Cloud Computing. , 2018, , .		3
28	A Robustness-Aware Real-Time SFC Routing Update Scheme in Multi-Tenant Clouds. IEEE/ACM Transactions on Networking, 2022, 30, 1230-1244.	3.8	3
29	Quantum Data Networking for Distributed Quantum Computing: Opportunities and Challenges. , 2022, , .		3
30	Performance-aware Energy-efficient Virtual Machine Placement in Cloud data center. , 2017, , .		2
31	A modified implementation of bounded shortest multicast algorithm for constrained multicast routing. , 2012, , .		0
32	A progressive topology rconfiguration algorithm in optical data center networks. , 2015, , .		0
33	JMAWR: joint optimization of monitoring trail allocation and wavelength routing with limited monitoring resources. Photonic Network Communications, 2017, 34, 181-192.	2.7	0
34	Providing VNF Services with Pipe&Hose Model Based Nonblocking SDN Networks. , 2018, , .		0
35	Autonomous Vehicle Dispatching for Person Evacuation. , 2019, , .		0
36	TNDP: Tensor-based Network Distance Prediction with Confidence Intervals. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	0

#	ARTICLE	IF	CITATIONS
37	EdgePS: Selective Parameter Aggregation for Distributed Machine Learning in Edge Computing. , 2021, , .		0