

Fung Po Tso

List of Publications by Year in descending order

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56
papers

904
citations

623734

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642732

23
g-index

57
all docs

57
docs citations

57
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	The Glasgow Raspberry Pi Cloud: A Scale Model for Cloud Computing Infrastructures. , 2013, , .		96
2	SDN-Based Virtual Machine Management for Cloud Data Centers. IEEE Transactions on Network and Service Management, 2016, 13, 212-225.	4.9	66
3	Commodity single board computer clusters and their applications. Future Generation Computer Systems, 2018, 89, 201-212.	7.5	60
4	Improving Data Center Network Utilization Using Near-Optimal Traffic Engineering. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1139-1148.	5.6	43
5	Understanding the Performance of Low Power Raspberry Pi Cloud for Big Data. Electronics (Switzerland), 2016, 5, 29.	3.1	37
6	Performance analysis of single board computer clusters. Future Generation Computer Systems, 2020, 102, 278-291.	7.5	36
7	Machine learning approaches to the application of disease modifying therapy for sickle cell using classification models. Neurocomputing, 2017, 228, 154-164.	5.9	33
8	Performance Evaluation of Scheduling in IEEE 802.16 Based Wireless Mesh Networks. , 2006, , .		32
9	Network and server resource management strategies for data centre infrastructures: A survey. Computer Networks, 2016, 106, 209-225.	5.1	31
10	Scalable Traffic-Aware Virtual Machine Management for Cloud Data Centers. , 2014, , .		27
11	PLAN: Joint Policy- and Network-Aware VM Management for Cloud Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1163-1175.	5.6	27
12	A survey on stateful data plane in software defined networks. Computer Networks, 2021, 184, 107597.	5.1	24
13	Blind Detection of Spread Spectrum Flow Watermarks. , 2009, , .		23
14	Mobility: A Double-Edged Sword for HSPA Networks: A Large-Scale Test on Hong Kong Mobile HSPA Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1895-1907.	5.6	23
15	Synergistic policy and virtual machine consolidation in cloud data centers. , 2016, , .		23
16	Cloud Futurology. Computer, 2019, 52, 68-77.	1.1	23
17	Modest BBR: Enabling Better Fairness for BBR Congestion Control. , 2018, , .		19
18	<i>pHeavy</i> : Predicting Heavy Flows in the Programmable Data Plane. IEEE Transactions on Network and Service Management, 2021, 18, 4353-4364.	4.9	18

#	ARTICLE	IF	CITATIONS
19	WeFiLab: A Web-Based WiFi Laboratory Platform for Wireless Networking Education. IEEE Transactions on Learning Technologies, 2012, 5, 291-303.	3.2	17
20	Longer Is Better: Exploiting Path Diversity in Data Center Networks. , 2013, , .		16
21	Mobility-Aware Probabilistic Caching in UAV-Assisted Wireless D2D Networks. , 2019, , .		16
22	Enabling Heterogeneous Network Function Chaining. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 842-854.	5.6	15
23	Multi-Agent Reinforcement Learning Based 3D Trajectory Design in Aerial-Terrestrial Wireless Caching Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8201-8215.	6.3	15
24	Autonomous Flying WiFi Access Point. , 2019, , .		13
25	Blind detection of spread spectrum flow watermarks. Security and Communication Networks, 2013, 6, 257-274.	1.5	11
26	SDN-based Virtual Machine management for Cloud Data Centers. , 2014, , .		11
27	Implementing Scalable, Network-Aware Virtual Machine Migration for Cloud Data Centers. , 2013, , .		9
28	Traffic management in LTE-WiFi slicing networks. , 2017, , .		9
29	Baatdaat: Measurement-based flow scheduling for cloud data centers. , 2013, , .		8
30	Policy-Aware Virtual Machine Management in Data Center Networks. , 2015, , .		8
31	Modelling Low Power Compute Clusters for Cloud Simulation. , 2017, , .		7
32	DragonNet: A Robust Mobile Internet Service System for Long Distance Trains. IEEE Transactions on Mobile Computing, 2012, , 1-1.	5.8	7
33	Low-latency service function chain migration in edge-core networks based on open Jackson networks. Journal of Systems Architecture, 2022, 124, 102405.	4.3	7
34	Latency-aware joint virtual machine and policy consolidation for mobile edge computing. , 2018, , .		6
35	PLAN: A Policy-Aware VM Management Scheme for Cloud Data Centres. , 2015, , .		6
36	Next generation single board clusters. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
37	Joint virtual machine and network policy consolidation in cloud data centers. , 2015, , .		4
38	Heterogeneous NetwOrk Policy Enforcement in data centers. , 2017, , .		4
39	Efficient 3G324M protocol Implementation for Low Bit Rate Multipoint Video Conferencing. Journal of Networks, 2006, 1, .	0.4	4
40	Distributed federated service chaining: A scalable and cost-aware approach for multi-domain networks. Computer Networks, 2022, 212, 109044.	5.1	4
41	Video surveillance patrol robot system in 3G, internet and sensor networks. , 2007, , .		3
42	DragonNet: A robust mobile Internet service system for long distance trains. , 2011, , .		3
43	Toward ubiquitous Video-based Cyber-Physical Systems. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
44	Track: Tracerouting in SDN networks with arbitrary network functions. , 2017, , .		2
45	PROTECT: Container Process Isolation Using System Call Interception. , 2017, , .		2
46	Live migration on ARM-based micro-datacentres. , 2018, , .		2
47	Dynamic Network Function Chain Composition for Mitigating Network Latency. , 2018, , .		2
48	Mystique: A Fine-Grained and Transparent Congestion Control Enforcement Scheme. IEEE Transactions on Network and Service Management, 2019, 16, 1869-1883.	4.9	2
49	Distributed federated service chaining for heterogeneous network environments. , 2021, , .		2
50	Architecture design of video transmission between UMTS and WSN. , 2008, , .		1
51	Enforcing network policy in heterogeneous network function box environment. Computer Networks, 2018, 138, 108-118.	5.1	1
52	A Fine-grained and Transparent Congestion Control Enforcement Scheme. , 2018, , .		1
53	TCon: A Transparent Congestion Control Deployment Platform for Optimizing WAN Transfers. Lecture Notes in Computer Science, 2017, , 49-61.	1.3	1
54	Design of an efficient and robust multimedia gateway for pervasive communication. Wireless Telecommunications Symposium, 2009 WTS 2009, 2008, , .	0.0	0

#	ARTICLE	IF	CITATIONS
55	User-level data center tomography. , 2012, , .		0
56	Experimental evaluation of SDN-controlled, joint consolidation of policies and virtual machines. , 2017, , .		0