Fung Po Tso

List of Publications by Year
in descending order

56 papers	904 citations	623734 14 h-index	642732 23 g-index
57 all docs	57 docs citations	57 times ranked	868 citing authors

#	Article	IF	Citations
1	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
2	Distributed federated service chaining: A scalable and cost-aware approach for multi-domain networks. Computer Networks, 2022, 212, 109044.	5.1	4
3	A survey on stateful data plane in software defined networks. Computer Networks, 2021, 184, 107597.	5.1	24
4	*pHeavy*: Predicting Heavy Flows in the Programmable Data Plane. IEEE Transactions on Network and Service Management, 2021, 18, 4353-4364.	4.9	18
5	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
6	Distributed federated service chaining for heterogeneous network environments. , 2021, , .		2
7	Performance analysis of single board computer clusters. Future Generation Computer Systems, 2020, 102, 278-291.	7.5	36
8	Cloud Futurology. Computer, 2019, 52, 68-77.	1.1	23
9	Mystique: A Fine-Grained and Transparent Congestion Control Enforcement Scheme. IEEE Transactions on Network and Service Management, 2019, 16, 1869-1883.	4.9	2
10	Mobility-Aware Probabilistic Caching in UAV-Assisted Wireless D2D Networks. , 2019, , .		16
11	Autonomous Flying WiFi Access Point. , 2019, , .		13
12	Enabling Heterogeneous Network Function Chaining. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 842-854.	5.6	15
13	Enforcing network policy in heterogeneous network function box environment. Computer Networks, 2018, 138, 108-118.	5.1	1
14	Latency-aware joint virtual machine and policy consolidation for mobile edge computing. , 2018, , .		6
15	Live migration on ARM-based micro-datacentres. , 2018, , .		2
16	Modest BBR: Enabling Better Fairness for BBR Congestion Control. , 2018, , .		19
17	A Fine-grained and Transparent Congestion Control Enforcement Scheme. , 2018, , .		1
18	Dynamic Network Function Chain Composition for Mitigating Network Latency. , 2018, , .		2

#	Article	IF	Citations
19	Commodity single board computer clusters and their applications. Future Generation Computer Systems, 2018, 89, 201-212.	7.5	60
20	Next generation single board clusters. , 2018, , .		5
21	Traffic management in LTE-WiFi slicing networks. , 2017, , .		9
22	Modelling Low Power Compute Clusters for Cloud Simulation. , 2017, , .		7
23	Machine learning approaches to the application of disease modifying therapy for sickle cell using classification models. Neurocomputing, 2017, 228, 154-164.	5.9	33
24	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
25	Track: Tracerouting in SDN networks with arbitrary network functions. , 2017, , .		2
26	PROTECT: Container Process Isolation Using System Call Interception. , 2017, , .		2
27	Heterogeneous NetwOrk Policy Enforcement in data centers. , 2017, , .		4
28	Experimental evaluation of SDN-controlled, joint consolidation of policies and virtual machines. , 2017, , .		0
29	TCon: A Transparent Congestion Control Deployment Platform for Optimizing WAN Transfers. Lecture Notes in Computer Science, 2017, , 49-61.	1.3	1
30	Understanding the Performance of Low Power Raspberry Pi Cloud for Big Data. Electronics (Switzerland), 2016, 5, 29.	3.1	37
31	Network and server resource management strategies for data centre infrastructures: A survey. Computer Networks, 2016, 106, 209-225.	5.1	31
32	Synergistic policy and virtual machine consolidation in cloud data centers. , 2016, , .		23
33	SDN-Based Virtual Machine Management for Cloud Data Centers. IEEE Transactions on Network and Service Management, 2016, 13, 212-225.	4.9	66
34	Joint virtual machine and network policy consolidation in cloud data centers. , 2015, , .		4
35	Policy-Aware Virtual Machine Management in Data Center Networks. , 2015, , .		8
36	PLAN: A Policy-Aware VM Management Scheme for Cloud Data Centres. , 2015, , .		6

#	Article	IF	Citations
37	SDN-based Virtual Machine management for Cloud Data Centers. , 2014, , .		11
38	Scalable Traffic-Aware Virtual Machine Management for Cloud Data Centers. , 2014, , .		27
39	Blind detection of spread spectrum flow watermarks. Security and Communication Networks, 2013, 6, 257-274.	1.5	11
40	Improving Data Center Network Utilization Using Near-Optimal Traffic Engineering. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1139-1148.	5.6	43
41	Longer Is Better: Exploiting Path Diversity in Data Center Networks. , 2013, , .		16
42	The Glasgow Raspberry Pi Cloud: A Scale Model for Cloud Computing Infrastructures. , 2013, , .		96
43	Implementing Scalable, Network-Aware Virtual Machine Migration for Cloud Data Centers. , 2013, , .		9
44	Baatdaat: Measurement-based flow scheduling for cloud data centers. , 2013, , .		8
45	User-level data center tomography. , 2012, , .		0
46	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
47	WeFiLab: A Web-Based WiFi Laboratory Platform for Wireless Networking Education. IEEE Transactions on Learning Technologies, 2012, 5, 291-303.	3.2	17
48	DragonNet: A Robust Mobile Internet Service System for Long Distance Trains. IEEE Transactions on Mobile Computing, 2012, , 1-1.	5.8	7
49	DragonNet: A robust mobile Internet service system for long distance trains. , 2011, , .		3
50	Blind Detection of Spread Spectrum Flow Watermarks. , 2009, , .		23
51	Design of an efficient and robust multimedia gateway for pervasive communication. Wireless Telecommunications Symposium, 2009 WTS 2009, 2008, , .	0.0	0
52	Toward ubiquitous Video-based Cyber-Physical Systems. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
53	Architecture design of video transmission between UMTS and WSN. , 2008, , .		1
54	Video surveillance patrol robot system in 3G, internet and sensor networks. , 2007, , .		3

#	Article	IF	Citations
55	Performance Evaluation of Scheduling in IEEE 802.16 Based Wireless Mesh Networks. , 2006, , .		32
56	Efficient 3G324M protocol Implementation for Low Bit Rate Multipoint Video Conferencing. Journal of Networks, 2006, 1, .	0.4	4