

Dan Li

List of Publications by Year in descending order

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48
papers

1,973
citations

949033

11
h-index

759306

22
g-index

48
all docs

48
docs citations

48
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Synchronization Topology on DML Performance: Both Logical Topology and Physical Topology. IEEE/ACM Transactions on Networking, 2022, 30, 572-585.	2.6	8
2	A Scalable, High-Performance, and Fault-Tolerant Network Architecture for Distributed Machine Learning. IEEE/ACM Transactions on Networking, 2020, 28, 1752-1764.	2.6	7
3	Geryon: Accelerating Distributed CNN Training by Network-Level Flow Scheduling. , 2020, , .		29
4	Fela: Incorporating Flexible Parallelism and Elastic Tuning to Accelerate Large-Scale DML. , 2020, , .		4
5	Toward Full Virtualization of the Network Topology. IEEE Systems Journal, 2019, 13, 1640-1649.	2.9	12
6	Accelerating Distributed Machine Learning by Smart Parameter Server. , 2019, , .		10
7	Rima: An RDMA-Accelerated Model-Parallelized Solution to Large-Scale Matrix Factorization. , 2019, , .		5
8	Impact of Network Topology on the Performance of DML: Theoretical Analysis and Practical Factors. , 2019, , .		27
9	Metro: An Efficient Traffic Fast Rerouting Scheme With Low Overhead. IEEE/ACM Transactions on Networking, 2019, 27, 2015-2027.	2.6	0
10	Bridging machine learning and computer network research: a survey. CCF Transactions on Networking, 2019, 1, 1-15.	1.0	16
11	Dependency-Aware Data Locality for MapReduce. IEEE Transactions on Cloud Computing, 2018, 6, 667-679.	3.1	9
12	SVDC: A Highly Scalable Isolation Architecture for Virtualized Layer-2 Data Center Networks. IEEE Transactions on Cloud Computing, 2018, 6, 1178-1190.	3.1	1
13	HiPS. , 2018, , .		19
14	$\mathcal{F}^{\{2\}}$ Tree: Rapid Failure Recovery for Routing in Production Data Center Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1940-1953.	2.6	7
15	Quick NAT: High performance NAT system on commodity platforms. , 2017, , .		0
16	A survey of network update in SDN. Frontiers of Computer Science, 2017, 11, 4-12.	1.6	37
17	Network Performance Aware Optimizations on IaaS Clouds. IEEE Transactions on Computers, 2017, 66, 672-687.	2.4	4
18	DCloud: Deadline-Aware Resource Allocation for Cloud Computing Jobs. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2248-2260.	4.0	44

#	ARTICLE	IF	CITATIONS
19	Rewiring 2 Links Is Enough: Accelerating Failure Recovery in Production Data Center Networks. , 2015, , .		10
20	Bandwidth guaranteed virtual network function placement and scaling in datacenter networks. , 2015, , .		8
21	TAPS: Software Defined Task-Level Deadline-Aware Preemptive Flow Scheduling in Data Centers. , 2015, , .		1
22	MIFO: Multi-path Interdomain Forwarding. , 2015, , .		1
23	On the Network Power Effectiveness of Data Center Architectures. IEEE Transactions on Computers, 2015, 64, 3237-3248.	2.4	7
24	EXR: Greening Data Center Network with Software Defined Exclusive Routing. IEEE Transactions on Computers, 2015, 64, 2534-2544.	2.4	28
25	Willow: Saving Data Center Network Energy for Network-Limited Flows. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2610-2620.	4.0	18
26	The problems and solutions of network update in SDN: A survey. , 2015, , .		12
27	Revisiting the Design of Mega Data Centers: Considering Heterogeneity Among Containers. IEEE/ACM Transactions on Networking, 2014, 22, 1503-1515.	2.6	4
28	TED: Inter-domain traffic engineering via deflection. , 2014, , .		3
29	Dependency-Aware Data Locality for MapReduce. , 2014, , .		5
30	CDRDN: Content Driven Routing in Datacenter Network. , 2014, , .		2
31	Resource management in radio access and IP-based core networks for IMT Advanced and Beyond. Science China Information Sciences, 2013, 56, 1-16.	2.7	3
32	Exploring the effect of display size on pointing performance. , 2013, , .		9
33	Dynamic Scheduling for Wireless Data Center Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 2365-2374.	4.0	32
34	Expandable and Cost-Effective Network Structures for Data Centers Using Dual-Port Servers. IEEE Transactions on Computers, 2013, 62, 1303-1317.	2.4	70
35	IP-Geolocation Mapping for Moderately Connected Internet Regions. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 381-391.	4.0	43
36	Greening data center networks with flow preemption and energy-aware routing. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
37	A Comparison Study of Energy Proportionality of Data Center Network Architectures. , 2012, , .		16
38	A Coding-based Approach to Mitigate TCP Incast in Data Center Networks. , 2012, , .		6
39	Defending Against Distance Cheating in Link-Weighted Application-Layer Multicast. IEEE/ACM Transactions on Networking, 2011, 19, 1448-1457.	2.6	3
40	Building mega data center from heterogeneous containers. , 2011, , .		25
41	Scalable data center multicast using multi-class Bloom Filter. , 2011, , .		53
42	Scalable and Cost-Effective Interconnection of Data-Center Servers Using Dual Server Ports. IEEE/ACM Transactions on Networking, 2011, 19, 102-114.	2.6	74
43	Impact of user selfishness in construction action on the streaming quality of overlay multicast. Computer Networks, 2011, 55, 3318-3331.	3.2	0
44	BCube. , 2009, , .		800
45	BCube. Computer Communication Review, 2009, 39, 63-74.	1.5	478
46	Defending Against Buffer Map Cheating in DONet-Like P2P Streaming. IEEE Transactions on Multimedia, 2009, 11, 535-542.	5.2	5
47	Segment-sending Schedule in Data-driven Overlay Network. , 2006, , .		7
48	Performance analysis of multicast routing protocol PIM-SM. , 2005, , .		5