

Karl-Johan Grinnemo

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

829
citations

1163117

8
h-index

752698

20
g-index

51
all docs

51
docs citations

51
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	SDN/NFV-Based Mobile Packet Core Network Architectures: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 1567-1602.	39.4	250
2	Low-Latency Scheduling in MPTCP. IEEE/ACM Transactions on Networking, 2019, 27, 302-315.	3.8	80
3	On the Use of TCP BBR in Cellular Networks. IEEE Communications Magazine, 2018, 56, 172-179.	6.1	62
4	End-to-end congestion control approaches for high throughput and low delay in 4G/5G cellular networks. Computer Networks, 2021, 186, 107692.	5.1	43
5	Towards transport-layer mobility: Evolution of SCTP multihoming. Computer Communications, 2008, 31, 980-998.	5.1	42
6	De-Ossifying the Internet Transport Layer: A Survey and Future Perspectives. IEEE Communications Surveys and Tutorials, 2017, 19, 619-639.	39.4	42
7	A model for QoS-aware VNF placement and provisioning. , 2017, , .		40
8	NEAT: A Platform- and Protocol-Independent Internet Transport API. , 2017, 55, 46-54.		25
9	Analysis of Network Latency in Virtualized Environments. , 2016, , .		18
10	An Analytical Estimation of the Failover Time in SCTP Multihoming Scenarios. , 2007, , .		17
11	Impact of TCP BBR on CUBIC Traffic: A Mixed Workload Evaluation. , 2018, , .		16
12	Behaviour of Common TCP Variants over LTE. , 2016, , .		12
13	TCP behaviour in LTE: Impact of flow start-up and mobility. , 2016, , .		12
14	Using multiple paths in SCTP to reduce latency for signaling traffic. Computer Communications, 2018, 129, 184-196.	5.1	12
15	A Deployable Containerized 5G Core Solution for Time Critical Communication in Smart Grid. , 2020, , .		11
16	A first study on using MPTCP to reduce latency for cloud based mobile applications. , 2015, , .		10
17	Utilizing Multi-Connectivity to Reduce Latency and Enhance Availability for Vehicle to Infrastructure Communication. IEEE Transactions on Mobile Computing, 2022, 21, 1874-1891.	5.8	9
18	On the Cost of Using Happy Eyeballs for Transport Protocol Selection. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
19	Tuning SCTP failover for carrier grade telephony signaling. Computer Networks, 2010, 54, 133-149.	5.1	7
20	On Load Balancing for a Virtual and Distributed MME in the 5G Core. , 2018, , .		7
21	Impact of Traffic Load on SCTP Failovers in SIGTRAN. Lecture Notes in Computer Science, 2005, , 774-783.	1.3	6
22	An SCTP-based Mobility Management Framework for Smartphones and Tablets. , 2012, , .		6
23	Towards a flexible Internet transport layer architecture. , 2016, , .		6
24	A Comparative Analysis of Buffer Management Algorithms for Delay Tolerant Wireless Sensor Networks. IEEE Sensors Journal, 2021, 21, 9612-9619.	4.7	6
25	MDTCP: Towards a Practical Multipath Transport Protocol for Telco Cloud Datacenters. , 2018, , .		5
26	On the Use of a Virtualized 5G Core for Time Critical Communication in Smart Grid. , 2020, , .		5
27	Validating the Sharing Behavior and Latency Characteristics of the L4S Architecture. Computer Communication Review, 2020, 50, 37-44.	1.8	5
28	RBBR: A Receiver-Driven BBR in QUIC for Low-Latency in Cellular Networks. IEEE Access, 2022, 10, 18707-18719.	4.2	5
29	On the relation between SACK delay and SCTP failover performance for different traffic distributions. , 2008, , .		4
30	Mind the SmartGap: A Buffer Management Algorithm for Delay Tolerant Wireless Sensor Networks. Lecture Notes in Computer Science, 2015, , 104-119.	1.3	4
31	Efficient scheduling to reduce latency for signaling traffic using CMT-SCTP. , 2016, , .		4
32	TCP Performance over Current Cellular Access: A Comprehensive Analysis. Lecture Notes in Computer Science, 2018, , 371-400.	1.3	4
33	<title>Enhancing TCP for applications with soft real-time constraints</title>. , 2001, , .		3
34	Evaluation of the QoS Offered by PRTP-ECN - A TCP-Compliant Partially Reliable Transport Protocol. Lecture Notes in Computer Science, 2001, , 217-230.	1.3	3
35	Taxonomy and survey of retransmission-based partially reliable transport protocols. Computer Communications, 2004, 27, 1441-1452.	5.1	3
36	A NEAT Approach to Mobile Communication. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	ICN congestion control for wireless links. , 2018, , .		3
38	Adaptive and Latency-aware Load Balancing for Control Plane Traffic in the 4G/5G Core. , 2021, , .		3
39	Theoretical Analysis of an Ideal Startup Scheme in Multihomed SCTP. Lecture Notes in Computer Science, 2010, , 155-166.	1.3	3
40	Rate Measurement Over Short Time Scales in Stationary Cellular Receivers. , 2019, , .		3
41	Energy-Saving Solutions for Cellular Internet of Thingsâ€“A Survey. IEEE Access, 2022, 10, 62073-62096.	4.2	3
42	On the Use of an Increased Initial Congestion Window to Improve mSCTP Handover Performance. , 2012, , .		2
43	Sub-second transport layer vertical handover using mSCTP in android mobile devices. , 2012, , .		1
44	Using Concurrent Multipath Transfer to Improve the SCTP Startup Behavior for PSTN Signaling Traffic. , 2014, , .		1
45	A NEAT Way to Browse the Web. , 2017, , .		1
46	Web Metrics for the Next Generation Performance Enhancing Proxies. , 2019, , .		1
47	Data Protection Based on Physical Separation: Concepts and Application Scenarios. Lecture Notes in Computer Science, 2005, , 1331-1340.	1.3	1
48	Impact of Slow Start on SCTP Handover Performance. , 2011, , .		0
49	Handover in the Wild: The feasibility of vertical handover in commodity smartphones. , 2013, , .		0
50	On the move with TCP in current and future mobile networks. , 2017, , .		0