Karl-Johan Grinnemo

List of Publications by Year
in descending order

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	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
2	RBBR: A Receiver-Driven BBR in QUIC for Low-Latency in Cellular Networks. IEEE Access, 2022, 10, 18707-18719.	4.2	5
3	Energy-Saving Solutions for Cellular Internet of Thingsâ€"A Survey. IEEE Access, 2022, 10, 62073-62096.	4.2	3
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	A Comparative Analysis of Buffer Management Algorithms for Delay Tolerant Wireless Sensor Networks. IEEE Sensors Journal, 2021, 21, 9612-9619.	4.7	6
6	Adaptive and Latency-aware Load Balancing for Control Plane Traffic in the 4G/5G Core. , 2021, , .		3
7	On the Use of a Virtualized 5G Core for Time Critical Communication in Smart Grid. , 2020, , .		5
8	A Deployable Containerized 5G Core Solution for Time Critical Communication in Smart Grid. , 2020, , .		11
9	Validating the Sharing Behavior and Latency Characteristics of the L4S Architecture. Computer Communication Review, 2020, 50, 37-44.	1.8	5
10	Web Metrics for the Next Generation Performance Enhancing Proxies. , 2019, , .		1
11	Low-Latency Scheduling in MPTCP. IEEE/ACM Transactions on Networking, 2019, 27, 302-315.	3.8	80
12	Rate Measurement Over Short Time Scales in Stationary Cellular Receivers. , 2019, , .		3
13	On the Use of TCP BBR in Cellular Networks. IEEE Communications Magazine, 2018, 56, 172-179.	6.1	62
14	Impact of TCP BBR on CUBIC Traffic: A Mixed Workload Evaluation. , 2018, , .		16
15	On Load Balancing for a Virtual and Distributed MME in the 5G Core. , 2018, , .		7
16	MDTCP: Towards a Practical Multipath Transport Protocol for Telco Cloud Datacenters. , 2018, , .		5
17	Using multiple paths in SCTP to reduce latency for signaling traffic. Computer Communications, 2018, 129, 184-196.	5.1	12
18	ICN congestion control for wireless links. , 2018, , .		3

#	Article	IF	Citations
19	TCP Performance over Current Cellular Access: A Comprehensive Analysis. Lecture Notes in Computer Science, 2018, , 371-400.	1.3	4
20	NEAT: A Platform- and Protocol-Independent Internet Transport API. , 2017, 55, 46-54.		25
21	SDN/NFV-Based Mobile Packet Core Network Architectures: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 1567-1602.	39.4	250
22	A NEAT Way to Browse the Web. , 2017, , .		1
23	A NEAT Approach to Mobile Communication. , 2017, , .		3
24	De-Ossifying the Internet Transport Layer: A Survey and Future Perspectives. IEEE Communications Surveys and Tutorials, 2017, 19, 619-639.	39.4	42
25	A model for QoS-aware VNF placement and provisioning. , 2017, , .		40
26	On the move with TCP in current and future mobile networks. , 2017, , .		0
27	On the Cost of Using Happy Eyeballs for Transport Protocol Selection. , 2016, , .		8
28	Towards a flexible Internet transport layer architecture. , 2016, , .		6
29	Behaviour of Common TCP Variants over LTE. , 2016, , .		12
30	Analysis of Network Latency in Virtualized Environments. , 2016, , .		18
31	Efficient scheduling to reduce latency for signaling traffic using CMT-SCTP. , 2016, , .		4
32	TCP behaviour in LTE: Impact of flow start-up and mobility. , 2016, , .		12
33	Mind the SmartGap: A Buffer Management Algorithm for Delay Tolerant Wireless Sensor Networks. Lecture Notes in Computer Science, 2015, , 104-119.	1.3	4
34	A first study on using MPTCP to reduce latency for cloud based mobile applications. , 2015, , .		10
35	Using Concurrent Multipath Transfer to Improve the SCTP Startup Behavior for PSTN Signaling Traffic. , 2014, , .		1
36	Handover in the Wild: The feasibility of vertical handover in commodity smartphones. , 2013, , .		0

#	Article	IF	Citations
37	On the Use of an Increased Initial Congestion Window to Improve mSCTP Handover Performance. , 2012, , .		2
38	Sub-second transport layer vertical handover using mSCTP in android mobile devices. , 2012, , .		1
39	An SCTP-based Mobility Management Framework for Smartphones and Tablets. , 2012, , .		6
40	Impact of Slow Start on SCTP Handover Performance. , 2011, , .		0
41	Tuning SCTP failover for carrier grade telephony signaling. Computer Networks, 2010, 54, 133-149.	5.1	7
42	Theoretical Analysis of an Ideal Startup Scheme in Multihomed SCTP. Lecture Notes in Computer Science, 2010, , 155-166.	1.3	3
43	Towards transport-layer mobility: Evolution of SCTP multihoming. Computer Communications, 2008, 31, 980-998.	5.1	42
44	On the relation between SACK delay and SCTP failover performance for different traffic distributions. , 2008, , .		4
45	An Analytical Estimation of the Failover Time in SCTP Multihoming Scenarios. , 2007, , .		17
46	Impact of Traffic Load on SCTP Failovers in SIGTRAN. Lecture Notes in Computer Science, 2005, , 774-783.	1.3	6
47	Data Protection Based on Physical Separation: Concepts and Application Scenarios. Lecture Notes in Computer Science, 2005, , 1331-1340.	1.3	1
48	Taxonomy and survey of retransmission-based partially reliable transport protocols. Computer Communications, 2004, 27, 1441-1452.	5.1	3
49	<title>Enhancing TCP for applications with soft real-time constraints</title>. , 2001, , .		3
50	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