Luca De Cicco

List of Publications by Year
in descending order

58	1,364	687363	642732
papers	citations	13	23
		h-index	g-index

59	59	59	874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feedback control for adaptive live video streaming. , 2011, , .		167
2	ELASTIC: A Client-Side Controller for Dynamic Adaptive Streaming over HTTP (DASH). , 2013, , .		137
3	HTTP over UDP. , 2015, , .		113
4	Analysis and design of the google congestion control for web real-time communication (WebRTC). , 2016, , .		113
5	An Adaptive Video Streaming Control System: Modeling, Validation, and Performance Evaluation. IEEE/ACM Transactions on Networking, 2014, 22, 526-539.	3.8	71
6	Congestion Control for Web Real-Time Communication. IEEE/ACM Transactions on Networking, 2017, 25, 2629-2642.	3.8	63
7	Design and experimental evaluation of network-assisted strategies for HTTP adaptive streaming. , 2016, , .		57
8	Measuring the Quality of Experience of Web users. Computer Communication Review, 2016, 46, 8-13.	1.8	48
9	Skype video responsiveness to bandwidth variations. , 2008, , .		40
10	An Experimental Investigation of the Akamai Adaptive Video Streaming. Lecture Notes in Computer Science, 2010, , 447-464.	1.3	39
11	A Mathematical Model of the Skype VoIP Congestion Control Algorithm. IEEE Transactions on Automatic Control, 2010, 55, 790-795.	5.7	37
12	Skype Video congestion control: An experimental investigation. Computer Networks, 2011, 55, 558-571.	5.1	35
13	Experimental investigation of the google congestion control for real-time flows. , 2013, , .		31
14	Robust stability analysis of Smith predictor-based congestion control algorithms for computer networks. Automatica, 2011, 47, 1685-1692.	5.0	30
15	TAPAS. , 2014, , .		30
16	Measuring the Quality of Experience of Web users. , 2016, , .		30
17	On the use of watermark-based schemes to detect cyber-physical attacks. Eurasip Journal on Information Security, 2017, 2017, .	3.1	29
18	Design and Performance Evaluation of Network-assisted Control Strategies for HTTP Adaptive Streaming. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-24.	4.3	28

#	Article	IF	Citations
19	Impact of TCP congestion control on bufferbloat in cellular networks. , 2013, , .		23
20	The Web, the Users, and the MOS: Influence of HTTP/2 on User Experience. Lecture Notes in Computer Science, 2017, , 47-59.	1.3	21
21	Understanding the Dynamic Behaviour of the Google Congestion Control for RTCWeb. , 2013, , .		17
22	Local SIP Overload Control: Controller Design and Optimization by Extremum Seeking. IEEE Transactions on Control of Network Systems, 2015, 2, 267-277.	3.7	16
23	Revisiting a Watermark-Based Detection Scheme to Handle Cyber-Physical Attacks. , 2016, , .		15
24	Controlling queuing delays for real-time communication. Computer Communication Review, 2018, 46, 1-7.	1.8	15
25	Adaptive control–theoretic detection of integrity attacks against cyber–physical industrial systems. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3209.	3.9	14
26	An Experimental Investigation of the Congestion Control Used by Skype VoIP. Lecture Notes in Computer Science, 2007, , 153-164.	1.3	13
27	A Control Architecture for Massive Adaptive Video Streaming Delivery. , 2014, , .		11
28	Modeling and Design of Adaptive Video Streaming Control Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 548-559.	3.7	10
29	ERUDITE. , 2019, , .		9
30	QoE-driven resource allocation for massive video distribution. Ad Hoc Networks, 2019, 89, 170-176.	5.5	9
31	Event-Triggered Watermarking Control to Handle Cyber-Physical Integrity Attacks. Lecture Notes in Computer Science, 2016, , 3-19.	1.3	9
32	A mathematical model of the Skype VoIP congestion control algorithm. , 2008, , .		8
33	An experimental evaluation of Akamai adaptive video streaming over HSDPA networks. , 2011, , .		8
34	A resource allocation controller for cloud-based adaptive video streaming. , 2013, , .		8
35	Modelling and control for web real-time communication. , 2014, , .		5
36	Cyber-physical architecture assisted by programmable networking. Internet Technology Letters, 2018, 1, e44.	1.9	5

#	Article	IF	Citations
37	A hybrid model of adaptive video streaming control systems. , 2016, , .		4
38	A DASH video streaming system for immersive contents. , 2018, , .		4
39	Reducing the network bandwidth requirements for 360â˜ immersive video streaming. Internet Technology Letters, 2019, 2, e118.	1.9	4
40	A Multi-Commodity Flow Problem for Fair Resource Allocation in Multi-Path Video Delivery Networks. IFAC-PapersOnLine, 2020, 53, 7386-7391.	0.9	4
41	Robust Stability Analysis of a Class of Smith Predictor-based Congestion Control Algorithms for Computer Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 201-206.	0.4	3
42	Local SIP overload control: Controller design and optimization by Extremum Seeking. , 2013, , .		3
43	TCP congestion control over HSDPA: An experimental evaluation. , 2014, , .		3
44	Characterizing adaptive video streaming control systems. , 2015, , .		3
45	Congestion control for real-time communications: A comparison between NADA and GCC. , 2016, , .		3
46	QoE-fair Resource Allocation for DASH Video Delivery Systems. , 2019, , .		3
47	TAPAS-360Â°: A Tool for the Design and Experimental Evaluation of 360Â° Video Streaming Systems. , 2020, , .		3
48	A Control-Theoretic Analysis of Low-Priority Congestion Control Reprioritization under AQM. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2016, 1, 1-33.	0.9	2
49	Making Google Congestion Control robust over Wi-Fi networks using packet grouping. , 2016, , .		2
50	A DASH 360 Â° immersive video streaming control system. Internet Technology Letters, 2020, 3, e175.	1.9	2
51	A Mismatch Controller for implementing high-speed rate-based transport protocols. , 2009, , .		1
52	The trade-off between robustness and disturbance rejection for congestion control algorithms based on a modified smith-predictor. , 2014, , .		1
53	A hybrid model of the Akamai adaptive streaming control system. Nonlinear Analysis: Hybrid Systems, 2016, 21, 139-154.	3.5	1
54	Bitrate Reduction for Omnidirectional Video Streaming: Comparing Variable Quantization Parameter and Variable Resolution Approaches. , 2021, , .		1

#	Article	IF	Citations
55	Local SIP Overload Control. Lecture Notes in Computer Science, 2013, , 204-215.	1.3	1
56	TCP Versus TFRC over Wired and Wireless Internet Scenarios: An Experimental Evaluation. Lecture Notes in Computer Science, 2006, , 530-541.	1.3	1
57	Design and implementation of a framework for persistent identification and communication in emerging networks. , 2008, , .		0
58	Synchronizing Live Video Streaming Players Via Consensus. , 2021, , .		0