Harilaos Koumaras

List of Publications by Year
in descending order

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68 papers	796 citations	623734 14 h-index	610901 24 g-index
68 all docs	68 docs citations	68 times ranked	863 citing authors

#	Article	IF	Citations
1	On the Development and Provisioning of Vertical Applications in the Beyond 5G Era. IEEE Networking Letters, 2022, 4, 43-47.	1.9	5
2	Service-based Analytics for 5G open experimentation platforms. Computer Networks, 2022, 205, 108740.	5.1	3
3	5G and Unmanned Aerial Vehicles (UAVs) Use Cases. Advances in Computer and Electrical Engineering Book Series, 2021, , 36-69.	0.3	0
4	5G-Enabled UAVs with Command and Control Software Component at the Edge for Supporting Energy Efficient Opportunistic Networks. Energies, 2021, 14, 1480.	3.1	30
5	Network slicing for <scp>5G</scp> edge services. Internet Technology Letters, 2021, 4, e289.	1.9	4
6	An Experimentation Platform for Automated Assessment of Multimedia Services over Mobile Networks. , 2021, , .		1
7	Experimentation and 5G KPI measurements in the 5GENESIS platforms. , 2021, , .		4
8	Interoperability Provision of IoT Data Protocols on Top of Virtualized Infrastructure. Advances in Information Quality and Management, 2021, , 924-938.	0.2	0
9	Conceptual Evaluation of a 5G Network Slicing Technique for Emergency Communications and Preliminary Estimate of Energy Trade-Off. Energies, 2021, 14, 6876.	3.1	9
10	An open source 5G experimentation testbed. , 2021, , .		2
11	Field Trial of UAV flight with Communication and Control through 5G cellular network. , 2021, , .		3
12	A Modular Experimentation Methodology for 5G Deployments: The 5GENESIS Approach. Sensors, 2020, 20, 6652.	3.8	19
13	5G Network Slicing Enabling Edge Services. , 2020, , .		12
14	Network and Application Layer Services for High Performance Communications in Buildings. , 2020, , .		0
15	An Edge-to-Cloud Virtualized Multimedia Service Platform for 5G Networks. IEEE Transactions on Broadcasting, 2019, 65, 369-380.	3.2	65
16	A Cloud-Enabled Small Cell Architecture in 5G Networks for Broadcast/Multicast Services. IEEE Transactions on Broadcasting, 2019, 65, 414-424.	3.2	20
17	Smart Television Services Using NFV/SDN Network Management. IEEE Transactions on Broadcasting, 2019, 65, 404-413.	3.2	28
18	Virtualization Evolution. , 2019, , 1762-1789.		1

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19	IoT Interoperability on Top of SDN/NFV-Enabled Networks. Advances in Computational Intelligence and Robotics Book Series, 2019, , 127-152.	0.4	1
20	5G Performance Testing of Mobile Chatbot Applications. , 2018, , .		9
21	5GENESIS: The Genesis of a flexible 5G Facility. , 2018, , .		35
22	A SDN-based WiFi-VLC Coupled System for Optimised Service Provision in 5G Networks. , 2018, , .		1
23	SDN-based service function chaining mechanism and service prototype implementation in NFV scenario. Computer Standards and Interfaces, 2017, 54, 247-265.	5.4	29
24	An NFV-Based Video Quality Assessment Method over 5G Small Cell Networks. IEEE MultiMedia, 2017, 24, 68-78.	1.7	18
25	Towards SDN/NFV-enabled satellite networks. Telecommunication Systems, 2017, 66, 615-628.	2.5	16
26	Network Function Virtualization and Software-Defined Networking: Advancing Multimedia Distribution. IEEE MultiMedia, 2017, 24, 16-18.	1.7	2
27	The Future of Multimedia Distribution: An Interview with Baochun Li, Diego R. Lopez, and Christian Timmerer. IEEE MultiMedia, 2017, 24, 48-53.	1.7	0
28	T-NOVA: An Open-Source MANO Stack for NFV Infrastructures. IEEE Transactions on Network and Service Management, 2017, 14, 586-602.	4.9	48
29	Service Mapping and Orchestration Over Multi-Tenant Cloud-Enabled RAN. IEEE Transactions on Network and Service Management, 2017, 14, 904-919.	4.9	15
30	Exploiting NFV techniques towards future VQA methods. , 2017, , .		2
31	In-service Video Quality assessment based on SDN/NFV techniques. , 2016, , .		3
32	Enabling agile video transcoding over SDN/NFV-enabled networks. , 2016, , .		7
33	Reduced-reference video quality assessment using a static video pattern. Journal of Electronic Imaging, 2016, 25, 043011.	0.9	7
34	Automated generation of VNF deployment rules using infrastructure affinity characterization. , 2016, , .		12
35	SDN/NFV-enabled satellite communications networks: Opportunities, scenarios and challenges. Physical Communication, 2016, 18, 95-112.	2.1	137
36	Virtualization Evolution. , 2016, , 2345-2372.		0

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37	Enhancing VNF performance by exploiting SR-IOV and DPDK packet processing acceleration. , 2015, , .		38
38	Digital Video Coding Principles from H.261 to H.265/HEVC. , 2015, , 2187-2198.		0
39	A Brief Review of the Kernel and the Various Distributions of Linux. , 2015, , 4018-4027.		0
40	Virtualization Evolution. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 279-306.	0.5	0
41	Compression performance and video quality comparison of HEVC and AVC. , 2014, , .		1
42	A quantitative method for graphical representation of H.264 video content dynamics. , 2014, , .		0
43	CC4IMS: A mobile-based open-source call center for IMS. , 2013, , .		2
44	QoE4CLOUD: A QoE-driven multidimensional framework for cloud environments. , 2012, , .		14
45	Survey of cross-layer proposals for video streaming over Mobile Ad hoc Networks (MANETs). , 2012, , .		13
46	Quality of experience issues in multimedia provision. Telecommunication Systems, 2012, 49, 1-3.	2.5	3
47	Perceived QoE for User-Centric Multimedia Services. , 2012, , 295-346.		0
48	Adaptive IPTV services based on a novel IP Multimedia Subsystem. Multimedia Tools and Applications, 2011, 55, 333-352.	3.9	12
49	Analysis and Modeling of H.264 Unconstrained VBR Video Traffic. , 2011, , 227-243.		0
50	QoE in multi-service multi-agent networks. International Journal of Communication Networks and Distributed Systems, 2010, 4, 183.	0.4	5
51	A framework for end-to-end video quality prediction of MPEG video. Journal of Visual Communication and Image Representation, 2010, 21, 139-154.	2.8	22
52	QoE-driven dynamic management proposals for 3G VoIP services. Computer Communications, 2010, 33, 1707-1724.	5.1	7
53	An Enhanced IMS Architecture Featuring Cross-Layer Monitoring and Adaptation Mechanisms. , 2009, , .		7
54	Analysis and Modeling of H.264 Unconstrained VBR Video Traffic. International Journal of Mobile Computing and Multimedia Communications, 2009, 1, 14-31.	0.5	5

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55	An experimental approach of video quality level dependence on video content dynamics. , 2009, , .		1
56	Principles of Digital Video Coding. , 2009, , 3119-3124.		0
57	Digital Video Broadcasting Applications for Handhelds. , 2009, , 1147-1152.		0
58	PQoS Assessment Methods for Multimedia Services. , 2009, , 316-352.		2
59	A novel monitoring architecture for media services adaptation based on network QoS to perceived QoS mapping. Signal, Image and Video Processing, 2008, 2, 307-320.	2.7	10
60	ADAMANTIUM project: Enhancing IMS with a PQoS-aware multimedia content management system. , 2008, , .		5
61	Customer Acceptance of Internet Banking Services in Greece. , 2008, , 53-69.		0
62	Video Quality Prediction based on the Spatial and Temporal Classification of the Uncompressed Content. , 2007, , .		2
63	A Novel Method for Pre-Encoding Video Quality Prediction. , 2007, , .		3
64	A Theoretical Framework for End-to-End Video Quality Prediction of MPEG-based Sequences. , 2007, , .		23
65	Quantified PQoS assessment based on fast estimation of the spatial and temporal activity level. Multimedia Tools and Applications, 2007, 34, 355-374.	3.9	36
66	Unidirectional Lightweight Encapsulation: Performance Evaluation and Application Perspectives. IEEE Transactions on Broadcasting, 2006, 52, 374-380.	3.2	9
67	Evaluation of video quality based on objectively estimated metric. Journal of Communications and Networks, 2005, 7, 235-242.	2.6	27
68	Objective Measurement of Perceived QoS for Homogeneous MPEG-4 Video Content. , 2005, , 770-777.		1