

Mykola Beshley

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	End-to-End QoS "Smart Queue" Management Algorithms and Traffic Prioritization Mechanisms for Narrow-Band Internet of Things Services in 4G/5G Networks. <i>Sensors</i> , 2020, 20, 2324.	2.1	40
2	A Software Deep Packet Inspection System for Network Traffic Analysis and Anomaly Detection. <i>Sensors</i> , 2020, 20, 1637.	2.1	39
3	Adaptive flow routing model in SDN. , 2017, , .		36
4	A Combination Strategy of Feature Selection Based on an Integrated Optimization Algorithm and Weighted K-Nearest Neighbor to Improve the Performance of Network Intrusion Detection. <i>Electronics (Switzerland)</i> , 2020, 9, 1206.	1.8	33
5	A Cost-Efficient Software Based Router and Traffic Generator for Simulation and Testing of IP Network. <i>Electronics (Switzerland)</i> , 2020, 9, 40.	1.8	30
6	State of the art and further development of information and communication systems. , 2016, , .		25
7	Method for processing multiservice traffic in network node based on adaptive management of buffer resource. , 2018, , .		25
8	Increasing wavelengths utilization efficiency in OTNoDWDM network based on local resource distribution method. , 2015, , .		24
9	Experimental performance analysis of software-defined network switch and controller. , 2018, , .		24
10	Algorithm for clusterization, aggregation and prioritization of M2M devices in heterogeneous 4G/5G network. , 2017, , .		23
11	Design of software router with a modular structure and automatic deployment at virtual nodes. , 2017, , .		23
12	Method of centralized resource allocation in virtualized small cells network with IoT overlay. , 2018, , .		23
13	Investigation and simulation of system for data flow processing in multiservice nodes using virtualization mechanisms. , 2017, , .		22
14	Method of Information Flows Engineering and Resource Distribution in 4G/5G Heterogeneous Network for M2M Service Provisioning. , 2018, , .		22
15	Mobility management and vertical handover decision in an always best connected heterogeneous network. , 2015, , .		21
16	Common radio resource management model for heterogeneous cellular networks. , 2016, , .		21
17	Method for optimal use of 4G/5G heterogeneous network resources under M2M/IoT traffic growth conditions. , 2017, , .		21
18	QoS-Aware Optimal Radio Resource Allocation Method for Machine-Type Communications in 5G LTE and beyond Cellular Networks. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-18.	0.8	21

#	ARTICLE	IF	CITATIONS
19	Ensuring the quality of service flows in multiservice infrastructure based on network node virtualization. , 2016, , .		20
20	SDN/Cloud Solutions for Intent-Based Networking. , 2019, , .		20
21	Research and development the methods of quality of service provision in Mobile Cloud systems. , 2014, , .		19
22	Investigation the modified priority queuing method based on virtualized network test bed. , 2015, , .		19
23	Customer-Oriented Quality of Service Management Method for the Future Intent-Based Networking. Applied Sciences (Switzerland), 2020, 10, 8223.	1.3	19
24	System for increasing quality of service of multimedia data in convergent networks. , 2014, , .		18
25	Method for adaptive client oriented management of quality of service in integrated SDN/CLOUD networks. , 2017, , .		18
26	5G multi-tier radio access network planning based on voronoi diagram. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110814.	2.5	18
27	Development of monitoring system for end-to-end packet delay measurement in software-defined networks. , 2016, , .		13
28	A Quality of Experience Management Method For Intent-Based Software-Defined Networks. , 2021, , .		13
29	A Self-Optimizing Technique Based on Vertical Handover for Load Balancing in Heterogeneous Wireless Networks Using Big Data Analytics. Applied Sciences (Switzerland), 2021, 11, 4737.	1.3	12
30	Distributed Singular Value Decomposition Method for Fast Data Processing in Recommendation Systems. Energies, 2021, 14, 2284.	1.6	10
31	Online Measurement Error Detection for the ElectronicTransformer in a Smart Grid. Energies, 2021, 14, 3551.	1.6	10
32	Increasing the efficiency of real-time content delivery by improving the technology of priority assignment and processing of IP traffic. The Smart Computing Review, 0, , 76-88.	0.4	10
33	Eavesdropping-resilient wireless communication system based on modified OFDM/QAM air interface. , 2018, , .		9
34	Improving the Efficiency of LTE Spectral Resources Use by Introducing the New of M2M/IoT Multi-Service Gateway. , 2019, , .		9
35	Centralized QoS Routing Model for Delay/Loss Sensitive Flows at the SDN-IoT Infrastructure. Computers, Materials and Continua, 2021, 69, 3727-3748.	1.5	9
36	Automated Recovery of Server Applications for SDN-Based Internet of Things. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
37	Dynamic Switch Migration Method Based on QoE-Aware Priority Marking for Intent-Based Networking. , 2020, , .		8
38	FEATURES OF THE CLOUD SERVICES IMPLEMENTATION IN THE NATIONAL NETWORK SEGMENT OF UKRAINE. Information and Telecommunication Sciences, 2016, .	0.2	6
39	Enhancing QoS and Energy Efficiency of LTE/LTE-U/Wi-Fi Integrated Network Based on Adaptive Technique for Radio Structure Formation. , 2019, , .		5
40	Method for Estimating Service Delay in Edge and Cloud Computing Architecture. , 2020, , .		5
41	Future Intent-Based Networking for QoE-Driven Business Models. Lecture Notes in Electrical Engineering, 2022, , 1-18.	0.3	5
42	Industrial 5G Private Network: Architectures, Resource Management, Challenges, and Future Directions. , 2022, , .		5
43	Methodology and Software Tool for Energy Consumption Evaluation and Optimization in Multilayer Transport Optical Networks. Energies, 2020, 13, 6370.	1.6	4
44	Virtual Router Design and Modeling for Future Networks with QoS Guarantees. Electronics (Switzerland), 2021, 10, 1139.	1.8	4
45	Radio Resource Management Methods for Ultra-Reliable Low-Latency Communications in 5G LTE Narrowband Industrial Internet of Things. , 2021, , .		4
46	QoE-Oriented Routing Model for the Future Intent-Based Networking. Lecture Notes in Electrical Engineering, 2022, , 128-144.	0.3	4
47	Improvement of Multiprotocol Label Switching Network Performance using Software-defined Controller. , 2019, , .		3
48	Development of Deep Packet Inspection System for Network Traffic Analysis and Intrusion Detection. , 2020, , .		3
49	Intelligent Traffic Engineering for Future Intent-Based Software-Defined Transport Network. Lecture Notes in Electrical Engineering, 2022, , 161-181.	0.3	3
50	Improving the Efficiency of Information Flow Routing in Wireless Self-Organizing Networks Based on Natural Computing. Energies, 2021, 14, 2255.	1.6	2
51	DEVELOPMENT OF BASIC CONCEPT OF ICT PLATFORMS DEPLOYMENT STRATEGY FOR SOCIAL MEDIA MARKETING CONSIDERING TECTONIC THEORY. EUREKA, Physics and Engineering, 2020, 1, 18-33.	0.4	2
52	Machine Learning-Enabled Software-Defined Networks for QoE Management. , 2021, , .		2
53	Designing HDS Under Considering of QoS Robustness and Security for Heterogeneous IBN. Lecture Notes in Electrical Engineering, 2022, , 19-37.	0.3	2
54	Structures Assessment of Data-Centersâ€™ Telecommunication Systems for Metadata Fixation. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
55	QoE-Aware Intelligent Handover Method for Intent-Based Software-Defined Wireless Network. , 2022, , .		1
56	Development of Software System for Network Traffic Analysis and Intrusion Detection. , 2018, , .		0
57	Modified EIRGP Routing Protocol for Backbone Infrastructure of Wireless Multimedia Sensor Networks. , 2020, , .		0
58	METHODOLOGY FOR CALCULATING THE ENERGY CONSUMPTION OF INFORMATION COMMUNICATION SYSTEMS. Technical Electrodynamics, 2020, 2020, 80-88.	0.3	0