

Mykola Beshley

List of Publications by Year in descending order

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58
papers

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217
citing authors

#	ARTICLE	IF	CITATIONS
1	5G multi-tier radio access network planning based on voronoi diagram. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110814.	2.5	18
2	Future Intent-Based Networking for QoE-Driven Business Models. Lecture Notes in Electrical Engineering, 2022, , 1-18.	0.3	5
3	Intelligent Traffic Engineering for Future Intent-Based Software-Defined Transport Network. Lecture Notes in Electrical Engineering, 2022, , 161-181.	0.3	3
4	Designing HDS Under Considering of QoS Robustness and Security for Heterogeneous IBN. Lecture Notes in Electrical Engineering, 2022, , 19-37.	0.3	2
5	QoE-Oriented Routing Model for the Future Intent-Based Networking. Lecture Notes in Electrical Engineering, 2022, , 128-144.	0.3	4
6	Industrial 5G Private Network: Architectures, Resource Management, Challenges, and Future Directions. , 2022, , .		5
7	QoE-Aware Intelligent Handover Method for Intent-Based Software-Defined Wireless Network. , 2022, , .		1
8	A Quality of Experience Management Method For Intent-Based Software-Defined Networks. , 2021, , .		13
9	Improving the Efficiency of Information Flow Routing in Wireless Self-Organizing Networks Based on Natural Computing. Energies, 2021, 14, 2255.	1.6	2
10	Distributed Singular Value Decomposition Method for Fast Data Processing in Recommendation Systems. Energies, 2021, 14, 2284.	1.6	10
11	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
12	Virtual Router Design and Modeling for Future Networks with QoS Guarantees. Electronics (Switzerland), 2021, 10, 1139.	1.8	4
13	QoS-Aware Optimal Radio Resource Allocation Method for Machine-Type Communications in 5G LTE and beyond Cellular Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-18.	0.8	21
14	Online Measurement Error Detection for the ElectronicTransformer in a Smart Grid. Energies, 2021, 14, 3551.	1.6	10
15	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
16	Machine Learning-Enabled Software-Defined Networks for QoE Management. , 2021, , .		2
17	Radio Resource Management Methods for Ultra-Reliable Low-Latency Communications in 5G LTE Narrowband Industrial Internet of Things. , 2021, , .		4
18	Customer-Oriented Quality of Service Management Method for the Future Intent-Based Networking. Applied Sciences (Switzerland), 2020, 10, 8223.	1.3	19

#	ARTICLE	IF	CITATIONS
19	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. Electronics (Switzerland), 2020, 9, 1206.	1.8	33
20	Methodology and Software Tool for Energy Consumption Evaluation and Optimization in Multilayer Transport Optical Networks. Energies, 2020, 13, 6370.	1.6	4
21	Dynamic Switch Migration Method Based on QoE-Aware Priority Marking for Intent-Based Networking. , 2020, , .		8
22	Modified EIRGP Routing Protocol for Backbone Infrastructure of Wireless Multimedia Sensor Networks. , 2020, , .		0
23	Development of Deep Packet Inspection System for Network Traffic Analysis and Intrusion Detection. , 2020, , .		3
24	Method for Estimating Service Delay in Edge and Cloud Computing Architecture. , 2020, , .		5
25	A Software Deep Packet Inspection System for Network Traffic Analysis and Anomaly Detection. Sensors, 2020, 20, 1637.	2.1	39
26	End-to-End QoS "Smart Queue" Management Algorithms and Traffic Prioritization Mechanisms for Narrow-Band Internet of Things Services in 4G/5G Networks. Sensors, 2020, 20, 2324.	2.1	40
27	A Cost-Efficient Software Based Router and Traffic Generator for Simulation and Testing of IP Network. Electronics (Switzerland), 2020, 9, 40.	1.8	30
28	METHODOLOGY FOR CALCULATING THE ENERGY CONSUMPTION OF INFORMATION COMMUNICATION SYSTEMS. Technical Electrodynamics, 2020, 2020, 80-88.	0.3	0
29	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
30	Automated Recovery of Server Applications for SDN-Based Internet of Things. , 2019, , .		8
31	SDN/Cloud Solutions for Intent-Based Networking. , 2019, , .		20
32	Enhancing QoS and Energy Efficiency of LTE/LTE-U/Wi-Fi Integrated Network Based on Adaptive Technique for Radio Structure Formation. , 2019, , .		5
33	Improving the Efficiency of LTE Spectral Resources Use by Introducing the New of M2M/IoT Multi-Service Gateway. , 2019, , .		9
34	Improvement of Multiprotocol Label Switching Network Performance using Software-defined Controller. , 2019, , .		3
35	Method of centralized resource allocation in virtualized small cells network with IoT overlay. , 2018, , .		23
36	Experimental performance analysis of software-defined network switch and controller. , 2018, , .		24

#	ARTICLE	IF	CITATIONS
37	Method of Information Flows Engineering and Resource Distribution in 4G/5G Heterogeneous Network for M2M Service Provisioning. , 2018, , .		22
38	Structures Assessment of Data-Centersâ€™ Telecommunication Systems for Metadata Fixation. , 2018, , .		1
39	Development of Software System for Network Traffic Analysis and Intrusion Detection. , 2018, , .		0
40	Method for processing multiservice traffic in network node based on adaptive management of buffer resource. , 2018, , .		25
41	Eavesdropping-resilient wireless communication system based on modified OFDM/QAM air interface. , 2018, , .		9
42	Adaptive flow routing model in SDN. , 2017, , .		36
43	Algorithm for clusterization, aggregation and prioritization of M2M devices in heterogeneous 4G/5G network. , 2017, , .		23
44	Investigation and simulation of system for data flow processing in multiservice nodes using virtualization mechanisms. , 2017, , .		22
45	Design of software router with a modular structure and automatic deployment at virtual nodes. , 2017, , .		23
46	Method for adaptive client oriented management of quality of service in integrated SDN/CLOUD networks. , 2017, , .		18
47	Method for optimal use of 4G/5G heterogeneous network resources under M2M/IoT traffic growth conditions. , 2017, , .		21
48	Development of monitoring system for end-to-end packet delay measurement in software-defined networks. , 2016, , .		13
49	State of the art and further development of information and communication systems. , 2016, , .		25
50	Ensuring the quality of service flows in multiservice infrastructure based on network node virtualization. , 2016, , .		20
51	Common radio resource management model for heterogeneous cellular networks. , 2016, , .		21
52	FEATURES OF THE CLOUD SERVICES IMPLEMENTATION IN THE NATIONAL NETWORK SEGMENT OF UKRAINE. Information and Telecommunication Sciences, 2016, .	0.2	6
53	Investigation the modified priority queuing method based on virtualized network test bed. , 2015, , .		19
54	Mobility management and vertical handover decision in an always best connected heterogeneous network. , 2015, , .		21

#	ARTICLE	IF	CITATIONS
55	Increasing wavelengths utilization efficiency in OTNoDWDM network based on local resource distribution method. , 2015, , .		24
56	System for increasing quality of service of multimedia data in convergent networks. , 2014, , .		18
57	Research and development the methods of quality of service provision in Mobile Cloud systems. , 2014, , .		19
58	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