

# Irina P Bolodurina

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7226964/publications.pdf>

Version: 2024-02-01

64  
papers

188  
citations

1307594

7  
h-index

1281871

11  
g-index

66  
all docs

66  
docs citations

66  
times ranked

74  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Drone-assisted Anonymous Authentication and Key Agreement for 5G/B5G Vehicular Ad-Hoc Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2982-2994.	6.4	25
2	Development and Research of Models of Organization Distributed Cloud Computing Based on the Software-defined Infrastructure. Procedia Computer Science, 2017, 103, 569-576.	2.0	18
3	The Reference Intervals of Hair Trace Element Content in Hereford Cows and Heifers (Bos taurus). Biological Trace Element Research, 2017, 180, 56-62.	3.5	18
4	A Lightweight and Conditional Privacy-Preserving Authenticated Key Agreement Scheme With Multi-TA Model for Fog-Based VANETs. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 422-436.	5.4	13
5	CBACS: A Privacy-Preserving and Efficient Cache-Based Access Control Scheme for Software Defined Vehicular Networks. IEEE Transactions on Information Forensics and Security, 2022, 17, 1930-1945.	6.9	13
6	Secure and Lightweight Conditional Privacy-Preserving Authentication for Fog-Based Vehicular Ad Hoc Networks. IEEE Internet of Things Journal, 2022, 9, 8485-8497.	8.7	12
7	LBVP: A Lightweight Batch Verification Protocol for Fog-Based Vehicular Networks Using Self-Certified Public Key Cryptography. IEEE Transactions on Vehicular Technology, 2022, 71, 5519-5533.	6.3	9
8	Methods and algorithms optimization of adaptive traffic control in the virtual data center. , 2017, , .		7
9	Approach to the effective controlling cloud computing resources in data centers for providing multimedia services. , 2015, , .		6
10	Creation of regional center for shared access to educational software based on cloud technology. , 2017, , .		5
11	A model of cloud application assignments in software-defined storages. Journal of Physics: Conference Series, 2017, 803, 012024.	0.4	4
12	Models and algorithm of optimization launch and deployment of virtual network functions in the virtual data center. Journal of Physics: Conference Series, 2017, 913, 012012.	0.4	4
13	An Effective Scheduling Method in the Cloud System of Collective Access, for Virtual Working Environments. Acta Polytechnica Hungarica, 2020, 17, 179-195.	2.9	4
14	Development and research of models of organization storages based on the software-defined infrastructure. , 2016, , .		3
15	Request generation and intelligent scheduling for cloud educational resource datacenter. , 2016, , .		3
16	Model control of traffic by using data flows classification of the cloud applications in software-defined infrastructure of virtual data center. , 2017, , .		3
17	The Development and Study of the Methods and Algorithms for the Classification of Data Flows of Cloud Applications in the Network of the Virtual Data Center. International Journal of Computer Networks and Communications, 2018, 10, 15-22.	0.3	3
18	Adaptive technology to support talented secondary school students with the educational IT infrastructure. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Development and research of the autonomous system for providing security and quality of service for multi-cloud platform. , 2018, , .		3
20	Message Authentication and Network Anomalies Detection in Vehicular Ad Hoc Networks. Security and Communication Networks, 2022, 2022, 1-18.	1.5	3
21	Virtual cloud network laboratory based on IaaS with automatized creation of network topology on demand. , 2016, , .		2
22	Neural network model for optimize network work in the infrastructure of the virtual data center. , 2017, , .		2
23	Comprehensive approach for optimization traffic routing and using network resources in a virtual data center. Procedia Computer Science, 2018, 136, 62-71.	2.0	2
24	Development and Research of Model for Ensuring Reliability of Operation of Network Infrastructure Objects in Cyber-physical System Located in the Cloud Platform. , 2018, , .		2
25	Development of a Model of Cyberattacks Identification Based on the Analysis of Device States in the Network of a Telecommunications Service Provider. , 2019, , .		2
26	AC-SDVN: An Access Control Protocol for Video Multicast in Software Defined Vehicular Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5657-5674.	5.8	2
27	Efficient access to multimedia resources in distributed systems of distance learning. , 2013, , .		1
28	Increasing the Efficiency of IPTV by Using Software-Defined Networks. Lecture Notes in Computer Science, 2016, , 550-560.	1.3	1
29	Investigation of algorithms and models of optimization of cloud applications and services in virtual infrastructure of data center. , 2016, , .		1
30	Cloud Educational Resource Datacenter Simulator. Procedia Computer Science, 2017, 103, 543-548.	2.0	1
31	Development of network security models in the software-defined infrastructure of virtual data center. , 2018, , .		1
32	Development of Prototype of Autonomous Self-organizing System for Ensuring Network Security in Enterprise based on Technology of Virtualization Network Functions. , 2018, , .		1
33	Development of Prototype of Visualization Module for Virtual Reality Using Modern Digital Technologies. , 2018, , .		1
34	Creation of adequate simulation models to analyze performance parameters of a virtual fog computing infrastructure. Procedia Computer Science, 2021, 186, 603-610.	2.0	1
35	Investigation of Optimization Algorithms for Neural Network Solutions of Optimal Control Problems with Mixed Constraints. Machines, 2021, 9, 102.	2.2	1
36	Virtual Working Environment Scheduling of the Cloud System for Collective Access to Educational Resources. Lecture Notes in Networks and Systems, 2019, , 671-677.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Simulation Modeling of Virtual Machine Based Services in Multi-Cloud Shared Access Centers. , 0, , .		1
38	Development and Study of Algorithms for the Formation of Rules for Network Security Nodes in the Multi-Cloud Platform. Modelirovanie I Analiz Informacionnyh Sistem, 2019, 26, 90-100.	0.3	1
39	Analysis and evaluation of healthcare delivery to patients with coronary artery disease using PC-based medical data. Cardiovascular Therapy and Prevention (Russian Federation), 2020, 19, 2546.	1.4	1
40	Researching a Distributed Computing Automation Platform for Big Data Processing. , 2020, , .		1
41	Request Stream Control for the Access to Broadband Multimedia Educational Resources in the Distance Learning System. International Journal of Engineering Pedagogy, 2013, 3, 23.	1.1	0
42	Developing methods and algorithms of dynamic routing data flows of applications and services in heterogeneous cloud platform. , 2017, , .		0
43	Development of models and algorithms machine learning to optimize the control for the placement of virtual network functions in the infrastructure of the virtual data center. , 2017, , .		0
44	Approaches for adaptive optimization of routes in a distributed software-defined infrastructure of a virtual data center. , 2018, , .		0
45	Development and Research of Models of Time Mixed-Frequency Data on an Example of the Analysis of Productivity of Grain Crops. , 2018, , .		0
46	Optimizing Virtual Network Functions Placement in Virtual Data Center Infrastructure Using Machine Learning. IOP Conference Series: Materials Science and Engineering, 2018, 302, 012059.	0.6	0
47	Development and investigation of adaptive firewall algorithm to protect the software-defined infrastructure of multi-cloud platforms. , 2018, , .		0
48	Solution of discontinuous problem of optimal control over the individual human capital development by the numerical method. IFAC-PapersOnLine, 2018, 51, 19-24.	0.9	0
49	Development of module for neural network identification of attacks on applications and services in multi-cloud platforms. Journal of Physics: Conference Series, 2018, 1015, 052024.	0.4	0
50	Investigation of the Neural Network Model for Security and Quality of Service for a Multi-Cloud System in Virtual Data Center. , 2018, , .		0
51	Ant Colony Optimization Algorithm for Building Virtual Machine Images in Cloud Systems. , 2018, , .		0
52	Development of an intellectual module for selection of places to travel in the virtual assistant system for planning trips. Journal of Physics: Conference Series, 2019, 1399, 033059.	0.4	0
53	Investigation of the Evolutionary Optimization Algorithms for the Neural Network Solution of the Optimal Control Problems. , 2020, , .		0
54	Method of Obtaining Generalized Static Characteristics of Network Equipment for Creation of Simulation Models. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
55	Ant Colony Algorithm for Building of Virtual Machine Disk Images Within Cloud Systems. Lecture Notes in Networks and Systems, 2019, , 701-706.	0.7	0
56	Investigation of the Functional Stability of Neural Network Algorithm for Solving the Ordinary Differential Equations. , 0, , .		0
57	Application of Intelligent Algorithms for the Development of a Virtual Automated Planning Assistant for the Optimal Tourist Travel Route. Advances in Intelligent Systems and Computing, 2020, , 13-22.	0.6	0
58	Algorithm for Solving Ordinary Differential Equations Using Neural Network Technologies. Communications in Computer and Information Science, 2020, , 79-92.	0.5	0
59	Development of a Model for Predicting Treatment of Cardiovascular Diseases Based on Machine Learning Methods. , 0, , .		0
60	Application of a Modified Ant Colony Imitation Algorithm for the Traveling Salesman Problem with Time Windows When Designing an Intelligent Assistant. Advances in Intelligent Systems and Computing, 2020, , 346-355.	0.6	0
61	Development of a Digital Decision-Making Algorithm to Increase Agricultural Productivity. , 0, , .		0
62	INTELLECTUALIZATION OF THE PROCESS OF CONTROLLING A TRAFFIC LIGHT OBJECT IN FUZZY CONDITIONS. , 2021, 3, 59-64.		0
63	Application of Bioinspired Methods for Solving the Problem of Resource Allocation in Cloud Platforms. , 2021, , .		0
64	Application of mathematical statistics methods to assess the investment potential of the region. Vestnik VoroneÅ¾skogo Gosudarstvennogo Universiteta inÅ¾eneryh Tehnologij, 2022, 84, 295-304.	0.3	0