Vasily A Desnitsky

List of Publications by Year
in descending order

29	150	1683354 5	1719596 7
papers	citations	h-index	g-index

32	32	32	77
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection of anomalies in data for monitoring of security components in the Internet of Things. , 2015, , .		24
2	A Methodology for the Analysis and Modeling of Security Threats and Attacks for Systems of Embedded Components. , 2012, , .		23
3	Simulation and assessment of battery depletion attacks on unmanned aerial vehicles for crisis management infrastructures. Simulation Modelling Practice and Theory, 2021, 107, 102244.	2.2	10
4	Automated design, verification and testing of secure systems with embedded devices based on elicitation of expert knowledge. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 705-719.	3.3	9
5	Neural Network Based Classification of Attacks on Wireless Sensor Networks. , 2020, , .		7
6	Expert Knowledge Based Design and Verification of Secure Systems with Embedded Devices. Lecture Notes in Computer Science, 2014, , 194-210.	1.0	7
7	Security event analysis in XBee-based wireless mesh networks. , 2018, , .		6
8	Protection Mechanisms against Energy Depletion Attacks in Cyber-Physical Systems. , 2019, , .		5
9	An Approach for Network Information Flow Analysis for Systems of Embedded Components. Lecture Notes in Computer Science, 2012, , 146-155.	1.0	5
10	Application of a Technique for Secure Embedded Device Design Based on Combining Security Components for Creation of a Perimeter Protection System. , 2016, , .		4
11	Modeling and Analysis of IoT Energy Resource Exhaustion Attacks. Studies in Computational Intelligence, 2018, , 263-270.	0.7	4
12	Evaluation of Resource Exhaustion Attacks against Wireless Mobile Devices. Electronics (Switzerland), 2019, 8, 500.	1.8	4
13	Approach to Detection of Denial-of-Sleep Attacks in Wireless Sensor Networks on the Base of Machine Learning. Studies in Computational Intelligence, 2020, , 350-355.	0.7	4
14	Monitoring and Counteraction to Malicious Influences in the Information Space of Social Networks. Lecture Notes in Computer Science, 2018, , 159-167.	1.0	4
15	Modeling and Evaluation of Battery Depletion Attacks on Unmanned Aerial Vehicles in Crisis Management Systems. Studies in Computational Intelligence, 2020, , 323-332.	0.7	4
16	Modeling and analysis of security incidents for mobile communication mesh Zigbee-based network. , 2017, , .		3
17	Ensuring Availability of Wireless Mesh Networks for Crisis Management. Studies in Computational Intelligence, 2018, , 344-353.	0.7	3
18	Event analysis for security incident management on a perimeter access control system. , 2016, , .		2

#	Article	IF	Citations
19	Monitoring the State of Materials in Cyberphysical Systems: Water Supply Case Study. Materials Today: Proceedings, 2019, 11, 410-416.	0.9	2
20	Design and Security Analysis of a Fragment of Internet of Things Telecommunication System. Automatic Control and Computer Sciences, 2019, 53, 851-856.	0.4	2
21	Approach to Machine Learning based Attack Detection in Wireless Sensor Networks. , 2020, , .		2
22	Multi-Aspect Based Approach to Attack Detection in IoT Clouds. Sensors, 2022, 22, 1831.	2.1	2
23	Design of Entrusting Protocols for Software Protection. Lecture Notes in Geoinformation and Cartography, 2009, , 301-316.	0.5	1
24	Vector-based Dynamic Assessment of Cyber-Security of Critical Infrastructures. , 2022, , .		1
25	Approach to organizing of a heterogeneous swarm of cyber-physical devices to detect intruders. IFAC-PapersOnLine, 2019, 52, 945-950.	0.5	0
26	Fuzzy Sets in Problems of Identification of Attacks on Wireless Sensor Networks. , 2021, , .		0
27	IoTaaS based Approach to Design of a WSN for Secure Smart City Monitoring. , 2021, , .		0
28	Design and Security Analysis of a Fragment of Internet of Things Telecommunication System. Modelirovanie I Analiz Informacionnyh Sistem, 2016, 23, 767-776.	0.1	0
29	Simulation-based and Graph oriented Approach to Detection of Network Attacks. , 2022, , .		0