Andrey Chechulin

List of Publications by Year in Descending Order

67	268	9	11
papers	citations	h-index	g-index

76	343	1	3.64
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
67	Classification and Analysis of Vulnerabilities in Mobile Device Infrastructure Interfaces. *Communications in Computer and Information Science*, **2022**, 301-319	0.3	
66	Feature Selection for Intelligent Detection of Targeted Influence on Public Opinion in Social Networks. *Lecture Notes in Networks and Systems*, **2022**, 421-430	0.5	
65	Overview of Vulnerabilities of Decision Support Interfaces Based on Virtual and Augmented Reality Technologies. *Lecture Notes in Networks and Systems*, **2022**, 400-409	0.5	1
64	A Technique for the Design of Abstract Models of Microcontroller-Based Physical Security Systems. *Studies in Computational Intelligence*, **2022**, 397-406	0.8	
63	An Approach to Automated Assessment of the Image of a Territorial Entity in the Media Discourse of a Foreign States. *Studies in Computational Intelligence*, **2022**, 215-224	0.8	
62	An Approach to Ranking the Sources of Information Dissemination in Social Networks. *Information (Switzerland)*, **2021**, 12, 416	2.6	0
61	Unmanned Transport Environment Threats. *Smart Innovation, Systems and Technologies*, **2021**, 395-408	0.5	1
60	**2021**,		3
59	Cyberattack detection in vehicles using characteristic functions, artificial neural networks, and visual analysis. *Informatics and Automation*, **2021**, 20, 845-868	0.5	
58	Design and verification of a mobile robot based on the integrated model of cyber-Physical systems. *Simulation Modelling Practice and Theory*, **2020**, 105, 102151	3.9	4
57	Threats Classification Method for the Transport Infrastructure of a Smart City **2020**,		2
56	SEPAD Security Evaluation Platform for Autonomous Driving **2020**,		3
55	Augmented reality for visualizing security data for cybernetic and cyberphysical systems **2020**,		2
54	Social networks bot detection using Benford's law **2020**,		1
53	Problematic Issues of Information Security of Cyber-Physical Systems. *Informatics and Automation*, **2020**, 19, 1050-1088	0.5	2
52	ECU-Secure: Characteristic Functions for In-Vehicle Intrusion Detection. *Studies in Computational Intelligence*, **2020**, 495-504	0.8	2
51	Development of the Complex Algorithm for Web Pages Classification to Detection Inappropriate Information on the Internet. *Studies in Computational Intelligence*, **2020**, 278-284	0.8	

50	The Integrated Model of Secure Cyber-Physical Systems for Their Design and Verification. *Studies in Computational Intelligence*, **2020**, 333-343	0.8	2
49	Adaptive Touch Interface: Application for Mobile Internet Security. *Communications in Computer and Information Science*, **2020**, 53-72	0.3	
48	Analysis of Attack Actions on the Railway Infrastructure Based on the Integrated Model. *Communications in Computer and Information Science*, **2020**, 145-162	0.3	1
47	Hybrid Approach for Bots Detection in Social Networks Based on Topological, Textual and Statistical Features. *Advances in Intelligent Systems and Computing*, **2020**, 412-421	0.4	2
46	In-Vehicle Situation Monitoring for Potential Threats Detection Based on Smartphone Sensors. *Sensors*, **2020**, 20,	3.8	3
45	The application of the methodology for secure cyber-physical systems design to improve the semi-natural model of the railway infrastructure. *Microprocessors and Microsystems*, **2020**, 87, 103482	2.4	2
44	Comparative Study of Machine Learning Methods for In-Vehicle Intrusion Detection. *Lecture Notes in Computer Science*, **2019**, 85-101	0.9	10
43	Access Control Visualization Using Triangular Matrices **2019**,		6
42	Design and Verification Methodology for Secure and Distributed Cyber-Physical Systems **2019**,		3
41	Voronoi Maps for Planar Sensor Networks Visualization. *Communications in Computer and Information Science*, **2019**, 96-109	0.3	1
40	Visual Analysis of Information Dissemination Channels in Social Network for Protection Against Inappropriate Content. *Advances in Intelligent Systems and Computing*, **2019**, 95-105	0.4	5
39	Approach to organizing of a heterogeneous swarm of cyber-physical devices to detect intruders. *IFAC-PapersOnLine*, **2019**, 52, 945-950	0.7	
38	Ontological Hybrid Storage for Security Data. *Studies in Computational Intelligence*, **2018**, 159-171	0.8	
37	An Ontology-based Storage of Security Information. *Information Technology and Control*, **2018**, 47,	1.3	2
36	Integrated Approach to Provide Security of Cyber-Physical Systems Based on Microcontrollers. *Voprosy Kiberbezopasnosti*, **2018**, 29-38	1	4
35	Monitoring and Counteraction to Malicious Influences in the Information Space of Social Networks. *Lecture Notes in Computer Science*, **2018**, 159-167	0.9	3
34	Intelligent Security Analysis of Railway Transport Infrastructure Components on the Base of Analytical Modeling. *Advances in Intelligent Systems and Computing*, **2018**, 178-188	0.4	1
33	Visual Analytics for Improving Efficiency of Network Forensics: Account Theft Investigation. *Journal of Physics: Conference Series*, **2018**, 1069, 012062	0.3	

32	AI- and Metrics-Based Vulnerability-Centric Cyber Security Assessment and Countermeasure Selection. *Computer Communications and Networks*, **2018**, 101-130	0.5	3
31	A technique for design of secure data transfer environment: Application for I2C protocol **2018**,		3
30	Visual analysis of CAN bus traffic injection using radial bar charts **2018**,		3
29	Protection Against Information in eSociety: Using Data Mining Methods to Counteract Unwanted and Malicious Data. *Communications in Computer and Information Science*, **2017**, 170-184	0.3	4
28	The ontological approach application for construction of the hybrid security repository **2017**,		1
27	Design lifecycle for secure cyber-physical systems based on embedded devices **2017**,		5
26	Analytical attack modeling and security assessment based on the common vulnerability scoring system **2017**,		3
25	Generation of Source Data for Experiments with Network Attack Detection Software. *Journal of Physics: Conference Series*, **2017**, 820, 012033	0.3	3
24	Categorisation of web pages for protection against inappropriate content in the internet. *International Journal of Internet Protocol Technology*, **2017**, 10, 61	0.3	13
23	Choosing Models for Security Metrics Visualization. *Lecture Notes in Computer Science*, **2017**, 75-87	0.9	12
22	Visualization Model for Monitoring of Computer Networks Security Based on the Analogue of Voronoi Diagrams. *Lecture Notes in Computer Science*, **2016**, 141-157	0.9	3
21	An Analysis of Security Event Correlation Techniques in Siem-Systems. Part 1. *SPIIRAS Proceedings*, **2016**, 4, 5	1.6	6
20	Combined Design Technique for Secure Embedded Devices Exemplified by a Perimeter Protection System. *SPIIRAS Proceedings*, **2016**, 5, 5	1.6	11
19	Improving the Categorization of Web Sites by Analysis of Html-Tags Statistics to Block Inappropriate Content. *Studies in Computational Intelligence*, **2016**, 257-263	0.8	7
18	Mathematical Models of Visualization in SIEM Systems. *SPIIRAS Proceedings*, **2016**, 3, 90	1.6	2
17	An Analysis of Security Event Correlation Techniques in SIEM-Systems. Part 2. *SPIIRAS Proceedings*, **2016**, 6, 208	1.6	3
16	Application of a Technique for Secure Embedded Device Design Based on Combining Security Components for Creation of a Perimeter Protection System **2016**,		3
15	Event correlation in the integrated cyber-physical security system **2016**,		9

List of Publications

14	Attack tree-based approach for real-time security event processing. *Automatic Control and Computer Sciences*, **2015**, 49, 701-704	0.7	5
13	Design of Integrated Vulnerabilities Database for Computer Networks Security Analysis **2015**,		4
12	Evaluation of text classification techniques for inappropriate web content blocking **2015**,		6
11	Analysis and Evaluation of Web Pages Classification Techniques for Inappropriate Content Blocking. *Lecture Notes in Computer Science*, **2014**, 39-54	0.9	9
10	Security Metrics Based on Attack Graphs for the Olympic Games Scenario **2014**,		6
9	Fast Network Attack Modeling and Security Evaluation based on Attack Graphs. *Journal of Cyber Security and Mobility*, **2014**, 3, 27-46	1	6
8	Dynamical Attack Simulation for Security Information and Event Management. *Lecture Notes in Geoinformation and Cartography*, **2014**, 219-234	0.3	1
7	Computer attack modeling and security evaluation based on attack graphs **2013**,		13
6	Design and Implementation of a Hybrid Ontological-Relational Data Repository for SIEM Systems. *Future Internet*, **2013**, 5, 355-375	3.3	7
5	Common Framework for Attack Modeling and Security Evaluation in SIEM Systems **2012**,		18
4	A Methodology for the Analysis and Modeling of Security Threats and Attacks for Systems of Embedded Components **2012**,		14
3	Configuration-Based Approach to Embedded Device Security. *Lecture Notes in Computer Science*, **2012**, 270-285	0.9	9
2	An Approach for Network Information Flow Analysis for Systems of Embedded Components. *Lecture Notes in Computer Science*, **2012**, 146-155	0.9	5
1	Combining of Scanning Protection Mechanisms in GIS and Corporate Information Systems. *Lecture Notes in Geoinformation and Cartography*, **2011**, 45-58	0.3	1