

# Andrey Chechulin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/984289/andrey-chechulin-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

268

citations

9

h-index

11

g-index

76

ext. papers

343

ext. citations

1

avg, IF

3.64

L-index

#	Paper	IF	Citations
67	Common Framework for Attack Modeling and Security Evaluation in SIEM Systems <b>2012</b> ,		18
66	A Methodology for the Analysis and Modeling of Security Threats and Attacks for Systems of Embedded Components <b>2012</b> ,		14
65	Computer attack modeling and security evaluation based on attack graphs <b>2013</b> ,		13
64	Categorisation of web pages for protection against inappropriate content in the internet. <i>International Journal of Internet Protocol Technology</i> , <b>2017</b> , 10, 61	0.3	13
63	Choosing Models for Security Metrics Visualization. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 75-87	0.9	12
62	Combined Design Technique for Secure Embedded Devices Exemplified by a Perimeter Protection System. <i>SPIIRAS Proceedings</i> , <b>2016</b> , 5, 5	1.6	11
61	Comparative Study of Machine Learning Methods for In-Vehicle Intrusion Detection. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 85-101	0.9	10
60	Analysis and Evaluation of Web Pages Classification Techniques for Inappropriate Content Blocking. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 39-54	0.9	9
59	Configuration-Based Approach to Embedded Device Security. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 270-285	0.9	9
58	Event correlation in the integrated cyber-physical security system <b>2016</b> ,		9
57	Design and Implementation of a Hybrid Ontological-Relational Data Repository for SIEM Systems. <i>Future Internet</i> , <b>2013</b> , 5, 355-375	3.3	7
56	Improving the Categorization of Web Sites by Analysis of Html-Tags Statistics to Block Inappropriate Content. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 257-263	0.8	7
55	Access Control Visualization Using Triangular Matrices <b>2019</b> ,		6
54	Security Metrics Based on Attack Graphs for the Olympic Games Scenario <b>2014</b> ,		6
53	Evaluation of text classification techniques for inappropriate web content blocking <b>2015</b> ,		6
52	Fast Network Attack Modeling and Security Evaluation based on Attack Graphs. <i>Journal of Cyber Security and Mobility</i> , <b>2014</b> , 3, 27-46	1	6
51	An Analysis of Security Event Correlation Techniques in Siem-Systems. Part 1. <i>SPIIRAS Proceedings</i> , <b>2016</b> , 4, 5	1.6	6

50	Design lifecycle for secure cyber-physical systems based on embedded devices <b>2017</b> ,		5
49	Attack tree-based approach for real-time security event processing. <i>Automatic Control and Computer Sciences</i> , <b>2015</b> , 49, 701-704	0.7	5
48	Visual Analysis of Information Dissemination Channels in Social Network for Protection Against Inappropriate Content. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 95-105	0.4	5
47	An Approach for Network Information Flow Analysis for Systems of Embedded Components. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 146-155	0.9	5
46	Design and verification of a mobile robot based on the integrated model of cyber-Physical systems. <i>Simulation Modelling Practice and Theory</i> , <b>2020</b> , 105, 102151	3.9	4
45	Protection Against Information in eSociety: Using Data Mining Methods to Counteract Unwanted and Malicious Data. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 170-184	0.3	4
44	Design of Integrated Vulnerabilities Database for Computer Networks Security Analysis <b>2015</b> ,		4
43	Integrated Approach to Provide Security of Cyber-Physical Systems Based on Microcontrollers. <i>Voprosy Kiberbezopasnosti</i> , <b>2018</b> , 29-38	1	4
42	Visualization Model for Monitoring of Computer Networks Security Based on the Analogue of Voronoi Diagrams. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 141-157	0.9	3
41	Design and Verification Methodology for Secure and Distributed Cyber-Physical Systems <b>2019</b> ,		3
40	Analytical attack modeling and security assessment based on the common vulnerability scoring system <b>2017</b> ,		3
39	Generation of Source Data for Experiments with Network Attack Detection Software. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 820, 012033	0.3	3
38	SEPAD [Security Evaluation Platform for Autonomous Driving <b>2020</b> ,		3
37	Monitoring and Counteraction to Malicious Influences in the Information Space of Social Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 159-167	0.9	3
36	An Analysis of Security Event Correlation Techniques in SIEM-Systems. Part 2. <i>SPIIRAS Proceedings</i> , <b>2016</b> , 6, 208	1.6	3
35	In-Vehicle Situation Monitoring for Potential Threats Detection Based on Smartphone Sensors. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
34	Application of a Technique for Secure Embedded Device Design Based on Combining Security Components for Creation of a Perimeter Protection System <b>2016</b> ,		3
33	<b>2021</b> ,		3

32	AI- and Metrics-Based Vulnerability-Centric Cyber Security Assessment and Countermeasure Selection. <i>Computer Communications and Networks</i> , <b>2018</b> , 101-130	0.5	3
31	A technique for design of secure data transfer environment: Application for I2C protocol <b>2018</b> ,		3
30	Visual analysis of CAN bus traffic injection using radial bar charts <b>2018</b> ,		3
29	Threats Classification Method for the Transport Infrastructure of a Smart City <b>2020</b> ,		2
28	Augmented reality for visualizing security data for cybernetic and cyberphysical systems <b>2020</b> ,		2
27	Problematic Issues of Information Security of Cyber-Physical Systems. <i>Informatics and Automation</i> , <b>2020</b> , 19, 1050-1088	0.5	2
26	An Ontology-based Storage of Security Information. <i>Information Technology and Control</i> , <b>2018</b> , 47,	1.3	2
25	ECU-Secure: Characteristic Functions for In-Vehicle Intrusion Detection. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 495-504	0.8	2
24	The Integrated Model of Secure Cyber-Physical Systems for Their Design and Verification. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 333-343	0.8	2
23	Hybrid Approach for Bots Detection in Social Networks Based on Topological, Textual and Statistical Features. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 412-421	0.4	2
22	Mathematical Models of Visualization in SIEM Systems. <i>SPIIRAS Proceedings</i> , <b>2016</b> , 3, 90	1.6	2
21	The application of the methodology for secure cyberphysical systems design to improve the semi-natural model of the railway infrastructure. <i>Microprocessors and Microsystems</i> , <b>2020</b> , 87, 103482	2.4	2
20	The ontological approach application for construction of the hybrid security repository <b>2017</b> ,		1
19	Dynamical Attack Simulation for Security Information and Event Management. <i>Lecture Notes in Geoinformation and Cartography</i> , <b>2014</b> , 219-234	0.3	1
18	Social networks bot detection using Benford's law <b>2020</b> ,		1
17	Voronoi Maps for Planar Sensor Networks Visualization. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 96-109	0.3	1
16	Unmanned Transport Environment Threats. <i>Smart Innovation, Systems and Technologies</i> , <b>2021</b> , 395-408	0.5	1
15	Analysis of Attack Actions on the Railway Infrastructure Based on the Integrated Model. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 145-162	0.3	1

14	Combining of Scanning Protection Mechanisms in GIS and Corporate Information Systems. <i>Lecture Notes in Geoinformation and Cartography</i> , <b>2011</b> , 45-58	0.3	1
13	Intelligent Security Analysis of Railway Transport Infrastructure Components on the Base of Analytical Modeling. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 178-188	0.4	1
12	Overview of Vulnerabilities of Decision Support Interfaces Based on Virtual and Augmented Reality Technologies. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 400-409	0.5	1
11	An Approach to Ranking the Sources of Information Dissemination in Social Networks. <i>Information (Switzerland)</i> , <b>2021</b> , 12, 416	2.6	0
10	Ontological Hybrid Storage for Security Data. <i>Studies in Computational Intelligence</i> , <b>2018</b> , 159-171	0.8	
9	Classification and Analysis of Vulnerabilities in Mobile Device Infrastructure Interfaces. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 301-319	0.3	
8	Development of the Complex Algorithm for Web Pages Classification to Detection Inappropriate Information on the Internet. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 278-284	0.8	
7	Adaptive Touch Interface: Application for Mobile Internet Security. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 53-72	0.3	
6	Approach to organizing of a heterogeneous swarm of cyber-physical devices to detect intruders. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 945-950	0.7	
5	Visual Analytics for Improving Efficiency of Network Forensics: Account Theft Investigation. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1069, 012062	0.3	
4	Cyberattack detection in vehicles using characteristic functions, artificial neural networks, and visual analysis. <i>Informatics and Automation</i> , <b>2021</b> , 20, 845-868	0.5	
3	Feature Selection for Intelligent Detection of Targeted Influence on Public Opinion in Social Networks. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 421-430	0.5	
2	A Technique for the Design of Abstract Models of Microcontroller-Based Physical Security Systems. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 397-406	0.8	
1	An Approach to Automated Assessment of the Image of a Territorial Entity in the Media Discourse of a Foreign States. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 215-224	0.8	