

# Roland Rieke

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

274  
citations

1163117

8  
h-index

1199594

12  
g-index

34  
all docs

34  
docs citations

34  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	ThreatSurf: A method for automated Threat Surface assessment in automotive cybersecurity engineering. <i>Microprocessors and Microsystems</i> , 2022, 90, 104461.	2.8	12
2	SECPAT: Security Patterns for Resilient Automotive E / E Architectures. , 2022, , .		6
3	Attack Surface Assessment for Cybersecurity Engineering in the Automotive Domain. , 2021, , .		16
4	Cyberattack detection in vehicles using characteristic functions, artificial neural networks, and visual analysis. <i>Informatics and Automation</i> , 2021, 20, 845-868.	0.9	1
5	In-vehicle detection of targeted CAN bus attacks. , 2021, , .		5
6	Continuous fields: Enhanced in-vehicle anomaly detection using machine learning models. <i>Simulation Modelling Practice and Theory</i> , 2020, 105, 102143.	3.8	10
7	SEPAD – Security Evaluation Platform for Autonomous Driving. , 2020, , .		13
8	ECU-Secure: Characteristic Functions for In-Vehicle Intrusion Detection. <i>Studies in Computational Intelligence</i> , 2020, , 495-504.	0.9	3
9	Gateway for Industrial Cyber-Physical Systems with Hardware-Based Trust Anchors. <i>Studies in Computational Intelligence</i> , 2020, , 521-528.	0.9	3
10	Comparative Study of Machine Learning Methods for In-Vehicle Intrusion Detection. <i>Lecture Notes in Computer Science</i> , 2019, , 85-101.	1.3	19
11	Steganalysis Method for Detecting Embedded Coefficients of Discrete-Wavelet Image Transformation into High-Frequency Domains. <i>Communications in Computer and Information Science</i> , 2019, , 83-95.	0.5	0
12	Behavior Analysis for Safety and Security in Automotive Systems. , 2017, , .		14
13	Trust Establishment in Cooperating Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2016, , 31-47.	1.3	8
14	Security and Business Situational Awareness. <i>Communications in Computer and Information Science</i> , 2015, , 103-115.	0.5	0
15	No Smurfs: Revealing Fraud Chains in Mobile Money Transfers. , 2014, , .		17
16	Monitoring Security Compliance of Critical Processes. , 2014, , .		8
17	An update logic for information systems. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 436-456.	3.3	15
18	Fraud Detection in Mobile Payments Utilizing Process Behavior Analysis. , 2013, , .		26

#	ARTICLE	IF	CITATIONS
19	Security Requirements for Uniformly Parameterised Cooperations. , 2012, , .		0
20	Architecting a security strategy measurement and management system. , 2012, , .		4
21	Model-Based Security Event Management. Lecture Notes in Computer Science, 2012, , 181-190.	1.3	5
22	Challenges for Advanced Security Monitoring – The MASSIF Project. Lecture Notes in Computer Science, 2012, , 222-223.	1.3	3
23	Security and Reliability Requirements for Advanced Security Event Management. Lecture Notes in Computer Science, 2012, , 171-180.	1.3	9
24	Security Properties of Self-Similar Uniformly Parameterised Systems of Cooperations. , 2011, , .		1
25	Secure Mobile Business Information Processing. , 2010, , .		7
26	Identification of Security Requirements in Systems of Systems by Functional Security Analysis. Lecture Notes in Computer Science, 2010, , 74-96.	1.3	10
27	Abstraction-based analysis of known and unknown vulnerabilities of critical information infrastructures. International Journal of System of Systems Engineering, 2008, 1, 59.	0.5	5
28	A Holistic Approach to Security Policies – Policy Distribution with XACML over COPS. Electronic Notes in Theoretical Computer Science, 2007, 168, 143-157.	0.9	2
29	Abstraction Based Verification of a Parameterised Policy Controlled System. , 2007, , 228-241.		2
30	Modelling and Analysing Network Security Policies in a Given Vulnerability Setting. Lecture Notes in Computer Science, 2006, , 67-78.	1.3	8
31	Abstraction and composition: a verification method for co-operating systems. Journal of Experimental and Theoretical Artificial Intelligence, 2000, 12, 447-459.	2.8	18
32	The SH-Verification Tool – Abstraction-Based Verification of Co-operating Systems. Formal Aspects of Computing, 1998, 10, 381-404.	1.8	10