

# Seppo Virtanen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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

43  
papers

561  
citations

10  
h-index

23  
g-index

56  
ext. papers

692  
ext. citations

2  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
43	The COVID-19 pandemic and remote working did not improve WLAN security.. <i>Procedia Computer Science</i> , <b>2022</b> , 201, 158-165	1.6	0
42	A Method for Endpoint Aware Inspection in a Network Security Solution. <i>IEEE Access</i> , <b>2022</b> , 10, 44517-44530	3.5	0
41	A Resource Management Model for Distributed Multi-Task Applications in Fog Computing Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 152792-152802	3.5	0
40	A systematic methodology for continuous WLAN abundance and security analysis. <i>Computer Networks</i> , <b>2021</b> , 197, 108359	5.4	2
39	Understanding Dynamics of Initial Trust and its Antecedents in Password Managers Adoption Intention among Young Adults. <i>Procedia Computer Science</i> , <b>2021</b> , 184, 266-274	1.6	2
38	Conceptual Security System Design for Mobile Platforms Based on Human Nervous System. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 437-446	0.4	
37	SAMoC: Self-aware Access Monitoring and Controlling Framework for Android. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 227-238	0.3	
36	. <i>IEEE Access</i> , <b>2018</b> , 6, 428-442	3.5	15
35	Performance Analysis of End-to-End Security Schemes in Healthcare IoT. <i>Procedia Computer Science</i> , <b>2018</b> , 130, 432-439	1.6	21
34	Self-aware Access Control System for Android. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 445-454	1.6	21
33	CoDRA: Context-based dynamically reconfigurable access control system for android. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 101, 1-17	7.9	9
32	Hybrid Internal Anomaly Detection System for IoT: Reactive Nodes with Cross-Layer Operation. <i>Security and Communication Networks</i> , <b>2018</b> , 2018, 1-15	1.9	6
31	Towards Self-aware Approach for Mobile Devices Security. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 171-182	1.9	2
30	Cryptographic key generation using ECG signal <b>2017</b> ,		13
29	Towards Adaptive Cryptography and Security with Software Defined Platforms <b>2017</b> , 209-236		
28	A semantic security framework and context-aware role-based access control ontology for smart spaces <b>2016</b> ,		12
27	End-to-end security scheme for mobility enabled healthcare Internet of Things. <i>Future Generation Computer Systems</i> , <b>2016</b> , 64, 108-124	7.5	162

26	Distributed internal anomaly detection system for Internet-of-Things <b>2016,</b>		39
25	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. <i>Procedia Computer Science</i> , <b>2015</b> , 52, 452-459	1.6	147
24	A taxonomy of perceived information security and privacy threats among IT security students <b>2015,</b>		2
23	Observations on Genderwise Differences among University Students in Information Security Awareness. <i>International Journal of Information Security and Privacy</i> , <b>2015</b> , 9, 60-74	0.9	4
22	<b>2015,</b>		21
21	Information Security Awareness in Educational Institution: An Analysis of Students Individual Factors <b>2015,</b>		19
20	Energy-aware adaptive security management for wireless sensor networks <b>2014,</b>		3
19	An Elliptic Curve-based Mutual Authentication Scheme for RFID Implant Systems. <i>Procedia Computer Science</i> , <b>2014</b> , 32, 198-206	1.6	29
18	Specification Analysis for Secure RFID Implant Systems. <i>International Journal of Computer Theory and Engineering</i> , <b>2014</b> , 6, 177-188	0.1	2
17	Incubator Platform for Multidisciplinary Innovation in Research and Education. <i>International Journal of Knowledge Society Research</i> , <b>2012</b> , 3, 29-44		1
16	Hybrid Trust Model For Internet Routing. <i>International Journal of Computer Networks and Communications</i> , <b>2011</b> , 3, 1-12	0.7	2
15	Current Challenges in Embedded Communication Systems. <i>International Journal of Embedded and Real-Time Communication Systems</i> , <b>2010</b> , 1, 1-21	0.6	5
14	Increasing the self-study effort of higher education engineering students with an online learning platform. <i>International Journal of Knowledge and Learning</i> , <b>2008</b> , 4, 527	0.9	4
13	A software defined approach for common baseband processing. <i>Journal of Systems Architecture</i> , <b>2008</b> , 54, 769-786	5.5	8
12	Improving the Learning Process of Engineering Students by Deployment of Activating ICTs. <i>Communications in Computer and Information Science</i> , <b>2008</b> , 328-333	0.3	1
11	Protocol Processor Design Issues <b>2007</b> , 257-285		2
10	Convergence of Hardware and Software in Platforms for Radio Technologies <b>2006</b> , 44, 52-57		6
9	Mapping the DVB physical layer onto SDR-enabled protocol processor hardware <b>2005,</b>		1

8	A system-level framework for designing and evaluating protocol processor architectures. <i>International Journal of Embedded Systems</i> , <b>2005</b> , 1, 78	0.5	2
7	Tuning a Protocol Processor Architecture Towards DSP Operations. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 132-141	0.9	2
6	A Brunch from the Coffee Table-Case Study in NoC Platform Design <b>2005</b> , 425-453		3
5	The TACO protocol processor simulation environment <b>2001</b> ,		4
4	Highly automated fpga synthesis of application-specific protocol processors		1
3	Current Challenges in Embedded Communication Systems1-21		2
2	Towards Comprehensive Information Security Awareness: A Systematic Classification of Concerns among University Students		1
1	The 15th International CDIO Conference: Proceedings [Full Papers		2