Seppo Virtanen

List of Publications by Citations

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	End-to-end security scheme for mobility enabled healthcare Internet of Things. *Future Generation Computer Systems*, **2016**, 64, 108-124	7.5	162
42	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. *Procedia Computer Science*, **2015**, 52, 452-459	1.6	147
41	Distributed internal anomaly detection system for Internet-of-Things **2016**,		39
40	An Elliptic Curve-based Mutual Authentication Scheme for RFID Implant Systems. *Procedia Computer Science*, **2014**, 32, 198-206	1.6	29
39	Performance Analysis of End-to-End Security Schemes in Healthcare IoT. *Procedia Computer Science*, **2018**, 130, 432-439	1.6	21
38	**2015**,		21
37	Information Security Awareness in Educational Institution: An Analysis of StudentsbIndividual Factors **2015**,		19
36	. *IEEE Access*, **2018**, 6, 428-442	3.5	15
35	Cryptographic key generation using ECG signal **2017**,		13
34	A semantic security framework and context-aware role-based access control ontology for smart spaces **2016**,		12
33	CoDRA: Context-based dynamically reconfigurable access control system for android. *Journal of Network and Computer Applications*, **2018**, 101, 1-17	7.9	9
32	A software defined approach for common baseband processing. *Journal of Systems Architecture*, **2008**, 54, 769-786	5.5	8
31	Convergence of Hardware and Software in Platforms for Radio Technologies **2006**, 44, 52-57		6
30	Hybrid Internal Anomaly Detection System for IoT: Reactive Nodes with Cross-Layer Operation. *Security and Communication Networks*, **2018**, 2018, 1-15	1.9	6
29	Current Challenges in Embedded Communication Systems. *International Journal of Embedded and Real-Time Communication Systems*, **2010**, 1, 1-21	0.6	5
28	Observations on Genderwise Differences among University Students in Information Security Awareness. *International Journal of Information Security and Privacy*, **2015**, 9, 60-74	0.9	4
27	Increasing the self-study effort of higher education engineering students with an online learning platform. *International Journal of Knowledge and Learning*, **2008**, 4, 527	0.9	4

26	The TACO protocol processor simulation environment **2001**,		4
25	Energy-aware adaptive security management for wireless sensor networks **2014**,		3
24	A Brunch from the Coffee Table-Case Study in NoC Platform Design **2005**, 425-453		3
23	Towards Self-aware Approach for Mobile Devices Security. *Lecture Notes in Computer Science*, **2017**, 171-182	19.2	2
22	A taxonomy of perceived information security and privacy threats among IT security students **2015**,		2
21	A system-level framework for designing and evaluating protocol processor architectures. *International Journal of Embedded Systems*, **2005**, 1, 78	0.5	2
20	Tuning a Protocol Processor Architecture Towards DSP Operations. *Lecture Notes in Computer Science*, **2005**, 132-141	0.9	2
19	Current Challenges in Embedded Communication Systems1-21		2
18	Hybrid Trust Model For Internet Routing. *International Journal of Computer Networks and Communications*, **2011**, 3, 1-12	0.7	2
17	Specification Analysis for Secure RFID Implant Systems. *International Journal of Computer Theory and Engineering*, **2014**, 6, 177-188	0.1	2
16	The 15th International CDIO Conference: Proceedings Full Papers		2
15	A systematic methodology for continuous WLAN abundance and security analysis. *Computer Networks*, **2021**, 197, 108359	5.4	2
14	Understanding Dynamics of Initial Trust and its Antecedents in Password Managers Adoption Intention among Young Adults. *Procedia Computer Science*, **2021**, 184, 266-274	1.6	2
13	Protocol Processor Design Issues **2007**, 257-285		2
12	Mapping the DVB physical layer onto SDR-enabled protocol processor hardware **2005**,		1
11	Highly automated fpga synthesis of application-specific protocol processors		1
10	Improving the Learning Process of Engineering Students by Deployment of Activating ICTs. *Communications in Computer and Information Science*, **2008**, 328-333	0.3	1
9	Incubator Platform for Multidisciplinary Innovation in Research and Education. *International Journal of Knowledge Society Research*, **2012**, 3, 29-44		1

8	Towards Comprehensive Information Security Awareness: A Systematic Classification of Concerns among University Students		1
7	A Resource Management Model for Distributed Multi-Task Applications in Fog Computing Networks. *IEEE Access*, **2021**, 9, 152792-152802	3.5	0
6	The COVID-19 pandemic and remote working did not improve WLAN security.. *Procedia Computer Science*, **2022**, 201, 158-165	1.6	0
5	Self-aware Access Control System for Android. *Advances in Intelligent Systems and Computing*, **2018**, 445-454	4.1	
4	SAMoC: Self-aware Access Monitoring and Controlling Framework for Android. *Communications in Computer and Information Science*, **2019**, 227-238	0.3	
3	Conceptual Security System Design for Mobile Platforms Based on Human Nervous System. *Advances in Intelligent Systems and Computing*, **2020**, 437-446	0.4	
2	Towards Adaptive Cryptography and Security with Software Defined Platforms **2017**, 209-236		
1	A Method for Endpoint Aware Inspection in a Network Security Solution. *IEEE Access*, **2022**, 10, 44517-44530	3.9	