

Seppo Virtanen

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

844
citations

1039406

9
h-index

642321

23
g-index

56
all docs

56
docs citations

56
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-end security scheme for mobility enabled healthcare Internet of Things. Future Generation Computer Systems, 2016, 64, 108-124.	4.9	227
2	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. Procedia Computer Science, 2015, 52, 452-459.	1.2	209
3	Distributed internal anomaly detection system for Internet-of-Things. , 2016, , .		56
4	Information Security Awareness in Educational Institution: An Analysis of Students' Individual Factors. , 2015, , .		39
5	Performance Analysis of End-to-End Security Schemes in Healthcare IoT. Procedia Computer Science, 2018, 130, 432-439.	1.2	38
6	An Elliptic Curve-based Mutual Authentication Scheme for RFID Implant Systems. Procedia Computer Science, 2014, 32, 198-206.	1.2	37
7	Session Resumption-Based End-to-End Security for Healthcare Internet-of-Things. , 2015, , .		28
8	Low-Latency Approach for Secure ECG Feature Based Cryptographic Key Generation. IEEE Access, 2018, 6, 428-442.	2.6	25
9	Cryptographic key generation using ECG signal. , 2017, , .		23
10	A semantic security framework and context-aware role-based access control ontology for smart spaces. , 2016, , .		20
11	CoDRA: Context-based dynamically reconfigurable access control system for android. Journal of Network and Computer Applications, 2018, 101, 1-17.	5.8	13
12	A software defined approach for common baseband processing. Journal of Systems Architecture, 2008, 54, 769-786.	2.5	11
13	Understanding Dynamics of Initial Trust and its Antecedents in Password Managers Adoption Intention among Young Adults. Procedia Computer Science, 2021, 184, 266-274.	1.2	10
14	Increasing the self-study effort of higher education engineering students with an online learning platform. International Journal of Knowledge and Learning, 2008, 4, 527.	0.1	9
15	The TACO protocol processor simulation environment. , 2001, , .		8
16	Observations on Genderwise Differences among University Students in Information Security Awareness. International Journal of Information Security and Privacy, 2015, 9, 60-74.	0.6	8
17	Convergence of Hardware and Software in Platforms for Radio Technologies. , 2006, 44, 52-57.		7
18	Hybrid Internal Anomaly Detection System for IoT: Reactive Nodes with Cross-Layer Operation. Security and Communication Networks, 2018, 2018, 1-15.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Current Challenges in Embedded Communication Systems. International Journal of Embedded and Real-Time Communication Systems, 2010, 1, 1-21.	0.3	6
20	A system-level framework for designing and evaluating protocol processor architectures. International Journal of Embedded Systems, 2005, 1, 78.	0.2	5
21	A Brunch from the Coffee Table-Case Study in NoC Platform Design. , 2005, , 425-453.		5
22	A taxonomy of perceived information security and privacy threats among IT security students. , 2015, , .		5
23	A systematic methodology for continuous WLAN abundance and security analysis. Computer Networks, 2021, 197, 108359.	3.2	5
24	Energy-aware adaptive security management for wireless sensor networks. , 2014, , .		4
25	Specification Analysis for Secure RFID Implant Systems. International Journal of Computer Theory and Engineering, 2014, 6, 177-188.	3.2	4
26	Tuning a Protocol Processor Architecture Towards DSP Operations. Lecture Notes in Computer Science, 2005, , 132-141.	1.0	3
27	Cybersecurity Education and Skills: Exploring Studentsâ€™ Perceptions, Preferences and Performance in a Blended Learning Initiative. , 2020, , .		3
28	A Resource Management Model for Distributed Multi-Task Applications in Fog Computing Networks. IEEE Access, 2021, 9, 152792-152802.	2.6	3
29	Fast evaluation of protocol processor architectures for IPv6 routing. , 0, , .		2
30	Highly automated fpga synthesis of application-specific protocol processors. , 0, , .		2
31	Towards Self-aware Approach for Mobile Devices Security. Lecture Notes in Computer Science, 2017, , 171-182.	1.0	2
32	Protocol Processor Design Issues. , 2007, , 257-285.		2
33	Current Challenges in Embedded Communication Systems. , 0, , 1-21.		2
34	Hybrid Trust Model For Internet Routing. International Journal of Computer Networks and Communications, 2011, 3, 1-12.	0.3	2
35	The 15th International CDIO Conference: Proceedings â€œ Full Papers. , 0, , .		2
36	SystemC simulation framework of protocol processing architectures for IPv6 routing. , 0, , .		2

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37	The COVID-19 pandemic and remote working did not improve WLAN security. <i>Procedia Computer Science</i> , 2022, 201, 158-165.	1.2	2
38	Mapping the DVB physical layer onto SDR-enabled protocol processor hardware. , 2005, , .		1
39	Incubator Platform for Multidisciplinary Innovation in Research and Education. <i>International Journal of Knowledge Society Research</i> , 2012, 3, 29-44.	0.8	1
40	Towards Comprehensive Information Security Awareness: A Systematic Classification of Concerns among University Students. , 0, , .		1
41	Improving the Learning Process of Engineering Students by Deployment of Activating ICTs. <i>Communications in Computer and Information Science</i> , 2008, , 328-333.	0.4	1
42	Capturing Processor Architectures from Protocol Processing Applications: a Case Study. , 0, , .		0
43	Survival of an object oriented simulation framework through SystemC version upgrades. , 2008, , .		0
44	Dimensions of Internet Use and Threat Sensitivity: An Exploratory Study among Students of Higher Education. , 2016, , .		0
45	Towards Human Bio-Inspired Defence Mechanism for Cyber Security. , 2018, , .		0
46	System Level Simulations. , 2007, , 405-426.		0
47	RIGOROUS COMMUNICATION MODELLING AT TRANSACTION LEVEL WITH SYSTEMC. , 2008, , .		0
48	Towards Adaptive Cryptography and Security with Software Defined Platforms. , 2017, , 209-236.		0
49	SAMoC: Self-aware Access Monitoring and Controlling Framework for Android. <i>Communications in Computer and Information Science</i> , 2019, , 227-238.	0.4	0
50	Conceptual Security System Design for Mobile Platforms Based on Human Nervous System. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 437-446.	0.5	0
51	A Method for Endpoint Aware Inspection in a Network Security Solution. <i>IEEE Access</i> , 2022, 10, 44517-44530.	2.6	0
52	Battle of the Bands: A Long-Term Analysis of Frequency Band and Channel Distribution Development in WLANs. <i>IEEE Access</i> , 2022, 10, 61463-61471.	2.6	0