

# Konstantinos Fysarakis

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

799  
citations

840119

11  
h-index

610482

24  
g-index

51  
all docs

51  
docs citations

51  
times ranked

791  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of lightweight block ciphers. Journal of Cryptographic Engineering, 2018, 8, 141-184.	1.5	133
2	A survey of lightweight stream ciphers for embedded systems. Security and Communication Networks, 2016, 9, 1226-1246.	1.0	60
3	The Industrial Internet of Things as an enabler for a Circular Economy Hy-LP: A novel IIoT protocol, evaluated on a wind park's SDN/NFV-enabled 5G industrial network. Computer Communications, 2018, 119, 127-137.	3.1	54
4	Lightweight & secure industrial IoT communications via the MQ telemetry transport protocol. , 2017, , .		51
5	Lightweight Cryptography for Embedded Systems – A Comparative Analysis. Lecture Notes in Computer Science, 2014, , 333-349.	1.0	50
6	Insect Biometrics: Optoacoustic Signal Processing and Its Applications to Remote Monitoring of McPhail Type Traps. PLoS ONE, 2015, 10, e0140474.	1.1	47
7	Which IoT Protocol? Comparing Standardized Approaches over a Common M2M Application. , 2016, , .		41
8	The Electronic McPhail Trap. Sensors, 2014, 14, 22285-22299.	2.1	30
9	Biosensors and Internet of Things in smart healthcare applications: challenges and opportunities. , 2020, , 25-53.		30
10	How Effective Is Your Security Awareness Program? An Evaluation Methodology. Information Security Journal, 2012, 21, 328-345.	1.3	29
11	Node.DPWS: Efficient Web Services for the Internet of Things. IEEE Software, 2016, 33, 60-67.	2.1	29
12	RtVMF: A Secure Real-Time Vehicle Management Framework. IEEE Pervasive Computing, 2016, 15, 22-30.	1.1	18
13	The Interoperability of Things: Interoperable solutions as an enabler for IoT and Web 3.0. , 2018, , .		18
14	XSAC – Cross-domain resource sharing & access control for smart environments. Future Generation Computer Systems, 2018, 80, 572-582.	4.9	14
15	SEMIoTICS Architectural Framework: End-to-end Security, Connectivity and Interoperability for Industrial IoT. , 2019, , .		13
16	Policy-based access control for DPWS-enabled ubiquitous devices. , 2014, , .		11
17	Pairing a Circular Economy and the 5G-Enabled Internet of Things: Creating a Class of ?Looping Smart Assets?. IEEE Vehicular Technology Magazine, 2020, 15, 20-31.	2.8	11
18	Reactive security for SDN/NFV-enabled industrial networks leveraging service function chaining. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3269.	2.6	10

#	ARTICLE	IF	CITATIONS
19	The Green Blockchains of Circular Economy. Electronics (Switzerland), 2021, 10, 2008.	1.8	10
20	SecRoute: End-to-end secure communications for wireless ad-hoc networks. , 2017, , .		9
21	Architectural Patterns for Secure IoT Orchestrations. , 2019, , .		9
22	Towards a Collection of Security and Privacy Patterns. Applied Sciences (Switzerland), 2021, 11, 1396.	1.3	9
23	Embedded Systems Security: A Survey of EU Research Efforts. Security and Communication Networks, 2015, 8, 2016-2036.	1.0	8
24	A Reactive Security Framework for operational wind parks using Service Function Chaining. , 2017, , .		8
25	RT-SPDM: Real-Time Security, Privacy and Dependability Management of Heterogeneous Systems. Lecture Notes in Computer Science, 2015, , 619-630.	1.0	8
26	WARDOG: Awareness Detection Watchdog for Botnet Infection on the Host Device. IEEE Transactions on Sustainable Computing, 2021, 6, 4-18.	2.2	7
27	DSAPE – Dynamic Security Awareness Program Evaluation. Lecture Notes in Computer Science, 2014, , 258-269.	1.0	7
28	Secure policy-based management solutions in heterogeneous embedded systems networks. , 2012, , .		6
29	Policy-Controlled Authenticated Access to LLN-Connected Healthcare Resources. IEEE Systems Journal, 2018, 12, 92-102.	2.9	6
30	The CE-IoT Framework for Green ICT Organizations: The interplay of CE-IoT as an enabler for green innovation and e-waste management in ICT. , 2019, , .		6
31	Pattern-Driven Security, Privacy, Dependability and Interoperability Management of IoT Environments. , 2019, , .		6
32	Networking-Aware IoT Application Development. Sensors, 2020, 20, 897.	2.1	6
33	SPD-Safe: Secure Administration of Railway Intelligent Transportation Systems. Electronics (Switzerland), 2021, 10, 92.	1.8	6
34	VirtuWind – An SDN- and NFV-Based Architecture for Softwarized Industrial Networks. Lecture Notes in Computer Science, 2018, , 251-261.	1.0	5
35	Towards IoT Orchestrations with Security, Privacy, Dependability and Interoperability Guarantees. , 2019, , .		5
36	Security Concerns in Cooperative Intelligent Transportation Systems. , 2017, , 487-522.		4

#	ARTICLE	IF	CITATIONS
37	Model-Driven Cyber Range Training: A Cyber Security Assurance Perspective. Lecture Notes in Computer Science, 2020, , 172-184.	1.0	4
38	The THREAT-ARREST Cyber-Security Training Platform. Lecture Notes in Computer Science, 2020, , 199-214.	1.0	3
39	SeMIBIoT: Secure Multi-Protocol Integration Bridge for the IoT. , 2018, , .		2
40	CloudNet Anti-malware Engine: GPU-Accelerated Network Monitoring for Cloud Services. Lecture Notes in Computer Science, 2019, , 122-133.	1.0	2
41	Policy-Based Access Control for Body Sensor Networks. Lecture Notes in Computer Science, 2014, , 150-159.	1.0	2
42	Cyber Range Training Programme Specification Through Cyber Threat and Training Preparation Models. Lecture Notes in Computer Science, 2020, , 22-37.	1.0	2
43	A lightweight anonymity & location privacy service. , 2013, , .		1
44	Secure Semantic Interoperability for IoT Applications with Linked Data. , 2019, , .		1
45	A Pattern-Driven Adaptation in IoT Orchestrations to Guarantee SPDI Properties. Lecture Notes in Computer Science, 2020, , 143-156.	1.0	1
46	CIRCE: Architectural Patterns for Circular and Trustworthy By-Design IoT Orchestrations. Frontiers in Sustainability, 2022, 3, .	1.3	1
47	Towards a Security, Privacy, Dependability, Interoperability Framework for the Internet of Things. , 2018, , .		0
48	Secure and Authenticated Access to LLN Resources Through Policy Constraints. Lecture Notes in Computer Science, 2015, , 271-280.	1.0	0