Nikos Fotiou

List of Publications by Year
in descending order

57 papers	1,822 citations	687363 13 h-index	610901 24 g-index
58 all docs	58 docs citations	58 times ranked	1511 citing authors

#	Article	IF	Citations
1	A Survey of Information-Centric Networking Research. IEEE Communications Surveys and Tutorials, 2014, 16, 1024-1049.	39.4	1,039
2	Illustrating a publish-subscribe Internet architecture. Telecommunication Systems, 2012, 51, 233-245.	2.5	93
3	Interledger Approaches. IEEE Access, 2019, 7, 89948-89966.	4.2	59
4	Decentralized name-based security for content distribution using blockchains. , 2016, , .		49
5	Blockchain-Assisted Information Distribution for the Internet of Things. , 2017, , .		48
6	Improving the Privacy of IoT with Decentralised Identifiers (DIDs). Journal of Computer Networks and Communications, 2019, 2019, 1-10.	1.6	42
7	IP over ICN - The better IP?. , 2015, , .		37
8	Network and Protocol Architectures for Future Satellite Systems. Foundations and Trends in Networking, 2017, 12, 1-161.	10.2	31
9	On Inter-Domain Name Resolution for Information-Centric Networks. Lecture Notes in Computer Science, 2012, , 13-26.	1.3	28
10	Building a reliable Internet of Things using Information-Centric Networking. Journal of Reliable Intelligent Environments, 2015, 1, 47-58.	5.2	26
11	Securing Content Sharing over ICN. , 2016, , .		23
12	Decentralized authorization in constrained IoT environments exploiting interledger mechanisms. Computer Communications, 2020, 152, 243-251.	5.1	22
13	Enhancing Internet of Things Security using Software-Defined Networking. Journal of Systems Architecture, 2020, 110, 101779.	4.3	20
14	Smart Contracts for the Internet of Things: Opportunities and Challenges. , 2018, , .		18
15	Improving mobile ad hoc networks using hybrid IP-Information Centric Networking. Computer Communications, 2020, 156, 25-34.	5.1	18
16	H-Pastry: An inter-domain topology aware overlay for the support of name-resolution services in the future Internet. Computer Communications, 2015, 62, 13-22.	5.1	17
17	Secure IoT Access at Scale Using Blockchains and Smart Contracts. , 2019, , .		17
18	Smart application-aware IoT data collection. Journal of Reliable Intelligent Environments, 2019, 5, 17-28.	5.2	16

#	Article	IF	Citations
19	Blockchain Technology for Intelligent Environments. Future Internet, 2019, 11, 213.	3.8	16
20	OAuth 2.0 meets Blockchain for Authorization in Constrained IoT Environments. , 2019, , .		15
21	Access Control for the Internet of Things. , 2016, , .		14
22	Fighting spam in publish/subscribe networks using information ranking. , 2010, , .		13
23	Access control enforcement delegation for information-centric networking architectures. Computer Communication Review, 2012, 42, 497-502.	1.8	12
24	Realizing the Internet of Things using information-centric networking. , 2014, , .		12
25	Beacons and Blockchains in the Mobile Gaming Ecosystem: A Feasibility Analysis. Sensors, 2021, 21, 862.	3.8	12
26	Towards secure and context-aware information lookup for the Internet of Things. , 2013, , .		10
27	Smart IoT Data Collection. , 2018, , .		10
28	Edge-ICN and its application to the Internet of Things. , 2017, , .		9
29	Enabling NAME-Based Security and Trust. IFIP Advances in Information and Communication Technology, 2015, , 47-59.	0.7	7
30	CoAP over ICN. , 2016, , .		6
31	Trusted D2D-Based IoT Resource Access Using Smart Contracts. , 2019, , .		6
32	IoT Resource Access utilizing Blockchains and Trusted Execution Environments. , 2019, , .		5
33	Transparent CoAP Services to IoT Endpoints through ICN Operator Networks. Sensors, 2019, 19, 1339.	3.8	5
34	Enabling Opportunistic Users in Multi-Tenant IoT Systems using Decentralized Identifiers and Permissioned Blockchains. , 2019, , .		5
35	Hierarchical Blockchain Topologies for Quality Control in Food Supply Chains. , 2020, , .		5
36	Securing Named Data Networking routing using Decentralized Identifiers. , 2021, , .		5

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37	Handling mobility in future publish-subscribe information-centric networks. Telecommunication Systems, 2013, 53, 299-314.	2.5	4
38	Cognitive and context-aware assistive environments using future internet technologies. Universal Access in the Information Society, 2014, 13, 59-72.	3.0	4
39	Observing IoT resources over ICN. , 2017, , .		4
40	Rendezvousâ€based access control for informationâ€centric architectures. International Journal of Network Management, 2018, 28, e2007.	2.2	4
41	A platform for wireless maritime networking experimentation. , 2018, , .		4
42	Name-Based Security for Information-Centric Networking Architectures. Future Internet, 2019, 11, 232.	3.8	4
43	Interledger Smart Contracts for Decentralized Authorization to Constrained Things. , 2019, , .		4
44	Enabling self-verifiable mutable content items in IPFS using Decentralized Identifiers. , 2021, , .		4
45	Fighting Phishing the Information-Centric Way. , 2012, , .		3
46	I-CAN: Information-Centric Access Networking. , 2015, , .		3
47	Edge-assisted Traffic Engineering and applications in the IoT. , 2018, , .		3
48	Capability-based access control for multi-tenant systems using OAuth 2.0 and Verifiable Credentials. , 2021, , .		3
49	Access control delegation for the cloud. , 2014, , .		2
50	Protecting Medical Data Stored in Public Clouds. , 2016, , .		2
51	Exploiting Caching, Proxy Re-encryption, Incentives, and Wiâ€“Fi Direct for Authorized Content Distribution. Procedia Computer Science, 2016, 98, 80-86.	2.0	1
52	Information-Centric Networking (ICN). Future Internet, 2020, 12, 35.	3.8	1
53	Securing SDN-Based IoT Group Communication. Future Internet, 2021, 13, 207.	3.8	1
54	Security requirements and solutions for integrated satellite-terrestrial Information-Centric Networks. , 2014, , .		0

#	Article	IF	Citations
55	Fighting packet storms in mobile networks with information-centrism. , 2014, , .		0
56	Decentralized Interledger Gateway Architectures in Authorization Scenarios with Multiple Ledgers. , 2020, , .		0
57	IoT Group Membership Management Using Decentralized Identifiers and Verifiable Credentials. Future Internet, 2022, 14, 173.	3.8	0