George Oikonomou

List of Publications by Year
in descending order

67 papers	1,244 citations	516710 16 h-index	526287 27 g-index
67 all docs	67 docs citations	67 times ranked	1287 citing authors

#	Article	IF	Citations
1	Enabling Healthcare in Smart Homes: The SPHERE IoT Network Infrastructure. IEEE Communications Magazine, 2018, 56, 164-170.	6.1	97
2	A Distributed Consensus Algorithm for Decision Making in Service-Oriented Internet of Things. IEEE Transactions on Industrial Informatics, 2014, 10, 1461-1468.	11.3	95
3	A game theoretic defence framework against DoS/DDoS cyber attacks. Computers and Security, 2013, 38, 39-50.	6.0	72
4	A pilot study on the security of pattern screen-lock methods and soft side channel attacks. , 2013, , .		68
5	RERUM: Building a reliable IoT upon privacy- and security- enabled smart objects. , 2014, , .		59
6	The Contiki-NG open source operating system for next generation IoT devices. SoftwareX, 2022, 18, 101089.	2.6	50
7	Enabling reliable and secure IoT-based smart city applications. , 2014, , .		45
8	Complexity Metrics and User Strength Perceptions of the Pattern-Lock Graphical Authentication Method. Lecture Notes in Computer Science, 2014, , 115-126.	1.3	44
9	IPv6 Multicast Forwarding in RPL-Based Wireless Sensor Networks. Wireless Personal Communications, 2013, 73, 1089-1116.	2.7	42
10	Adaptive and Context-Aware Service Discovery for the Internet of Things. Lecture Notes in Computer Science, 2013, , 36-47.	1.3	34
11	TRENDY. , 2012, , .		28
12	A study on usability and security features of the Android pattern lock screen. Information and Computer Security, 2016, 24, 53-72.	2.2	27
13	Stateless multicast forwarding with RPL in 6LowPAN sensor networks. , 2012, , .		26
14	Temperature-Resilient Time Synchronization for the Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 2241-2250.	11.3	26
15	Microsecond-Accuracy Time Synchronization Using the IEEE 802.15.4 TSCH Protocol. , 2016, , .		25
16	Classification and suitability of sensing technologies for activity recognition. Computer Communications, 2016, 89-90, 34-50.	5.1	25
17	Atomic-SDN: Is Synchronous Flooding the Solution to Software-Defined Networking in IoT?. IEEE Access, 2019, 7, 96019-96034.	4.2	25
18	A comparative study of congestion control algorithms in IPv6 Wireless Sensor Networks. , 2011, , .		24

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19	Forensic analysis of wireless networking evidence of Android smartphones. , 2012, , .		24
20	Physical layer secret-key generation with discreet cosine transform for the Internet of Things. , 2017, , .		24
21	<scp>TSCHâ€overâ€LoRA</scp>: long range and reliable <scp>IPv6</scp> multiâ€hop networks for the internet of things. Internet Technology Letters, 2020, 3, e165.	1.9	24
22	Experiences from porting the Contiki operating system to a popular hardware platform. , 2011, , .		22
23	Privacy Leakage of Physical Activity Levels in Wireless Embedded Wearable Systems. IEEE Signal Processing Letters, 2017, 24, 136-140.	3.6	21
24	DCCC6: Duty Cycle-aware congestion control for 6LoWPAN networks. , 2012, , .		20
25	Scheduling High-Rate Unpredictable Traffic in IEEE 802.15.4 TSCH Networks. , 2017, , .		20
26	TSCH Networks for Health IoT. ACM Transactions on Internet of Things, 2020, 1, 1-27.	4.6	20
27	JPEG steganography detection with Benford's Law. Digital Investigation, 2013, 9, 246-257.	3.2	19
28	Efficient DCT-based secret key generation for the Internet of Things. Ad Hoc Networks, 2019, 92, 101744.	5.5	17
29	Guard time optimisation and adaptation for energy efficient multi-hop TSCH networks. , 2016, , .		16
30	Internet of Things for smart homes: Lessons learned from the SPHERE case study. , 2017, , .		16
31	Digital investigations for IPv6-based Wireless Sensor Networks. Digital Investigation, 2014, 11, S66-S75.	3.2	15
32	Adaptive static scheduling in IEEE 802.15.4 TSCH networks. , 2018, , .		15
33	Impact of Guard Time Length on IEEE 802.15.4e TSCH Energy Consumption. , 2016, , .		14
34	Highlighting Relationships of a Smartphoneâ€™s Social Ecosystem in Potentially Large Investigations. IEEE Transactions on Cybernetics, 2016, 46, 1974-1985.	9.5	12
35	TSCH for Long Range Low Data Rate Applications. IEEE Access, 2020, 8, 228754-228766.	4.2	10
36	RPL router discovery for supporting energy-efficient transmission in single-hop 6LoWPAN. , 2012, , .		9

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37	A Game Theoretical Method for Cost-Benefit Analysis of Malware Dissemination Prevention. Information Security Journal, 2015, 24, 164-176.	1.9	8
38	Energy-Efficient, Noninvasive Water Flow Sensor. , 2018, , .		8
39	Maximise unsafe path routing protocol for forest fire monitoring system using Wireless Sensor Networks. , 2012, , .		7
40	Game Theoretic Approach for Cost-Benefit Analysis of Malware Proliferation Prevention. IFIP Advances in Information and Communication Technology, 2013, , 28-41.	0.7	7
41	Managing cyber security risks in industrial control systems with game theory and viable system modelling. , 2014, , .		7
42	Traffic forensics for IPv6-based Wireless Sensor Networks and the Internet of Things. , 2016, , .		7
43	An accelerometer lossless compression algorithm and energy analysis for IoT devices. , 2018, , .		7
44	The Advantage of Computation Offloading in Multi-Access Edge Computing. , 2019, , .		6
45	BMFA: Bi-Directional Multicast Forwarding Algorithm for RPL-based 6LoWPANs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 18-25.	0.3	5
46	Cryptographic Key Exchange in IPv6-Based Low Power, Lossy Networks. Lecture Notes in Computer Science, 2013, , 34-49.	1.3	5
47	Multilevel Visualization Using Enhanced Social Network Analysis with Smartphone Data. International Journal of Digital Crime and Forensics, 2013, 5, 34-54.	0.7	5
48	Application of a Game Theoretic Approach in Smart Sensor Data Trustworthiness Problems. IFIP Advances in Information and Communication Technology, 2015, , 601-615.	0.7	5
49	ADDER: Probabilistic, Application Layer Service Discovery for MANETs and Hybrid Wired-Wireless Networks. , 2011, , .		4
50	Game theoretic approach towards energy-efficient task distribution in wireless sensor networks. , 2015, , .		4
51	Class Based Overall Priority Scheduling for M2M Communications over LTE Networks. , 2015, , .		3
52	An Intelligent Hot-Desking Model Based on Occupancy Sensor Data and Its Potential for Social Impact. Lecture Notes in Computer Science, 2016, , 142-158.	1.3	3
53	Link quality and path based clustering in IEEE 802.15.4-2015 TSCH networks. , 2017, , .		3
54	In Compute/Memory Dynamic Packet/Circuit Switch Placement for Optically Disaggregated Data Centers. Journal of Optical Communications and Networking, 2018, 10, B164.	4.8	3

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55	Higher order delay functions for delay-loss based TCP congestion control. , 2010, , .		2
56	Game theoretic approach towards optimal multi-tasking and data-distribution in IoT. , 2015, , .		2
57	Analysing Interface Bonding in 5G WLANs. , 2018, , .		2
58	Adaptive Guard Time for Energy-Efficient IEEE 802.15.4 TSCH Networks. Lecture Notes in Computer Science, 2019, , 15-26.	1.3	2
59	On the Development of Automated Forensic Analysis Methods for Mobile Devices. Lecture Notes in Computer Science, 2014, , 212-213.	1.3	2
60	Hidden Presence: Sensing Occupancy and Extracting Value from Occupancy Data. Lecture Notes in Computer Science, 2015, , 412-424.	1.3	2
61	A framework for the management of distributed systems based on SNMP. , 2007, , .		1
62	An emulator for the network stack of Integrated Modular Systems. , 2010, , .		1
63	CADC: Congestion Aware Duty Cycle mechanism a simulation evaluation. , 2014, , .		1
64	Messaging Activity Reconstruction with Sentiment Polarity Identification. Lecture Notes in Computer Science, 2015, , 475-486.	1.3	1
65	Web-Based Management of Content Delivery Networks. Lecture Notes in Computer Science, 2008, , 42-54.	1.3	1
66	Web-Based Management of Distributed Services. Lecture Notes in Electrical Engineering, 2009, , 255-266.	0.4	0
67	An Extensible Platform for the Forensic Analysis of Social Media Data. Lecture Notes in Computer Science, 2015, , 404-414.	1.3	0