Zhen Ling

List of Publications by Year
in descending order

38 papers	544 citations	1040056 9 h-index	794594 19 g-index
38 all docs	38 docs citations	38 times ranked	648 citing authors

#	Article	IF	Citations
1	On Security of TrustZone-M-Based IoT Systems. IEEE Internet of Things Journal, 2022, 9, 9683-9699.	8.7	5
2	Towards an Efficient Defense against Deep Learning based Website Fingerprinting. , 2022, , .		6
3	Real-Time Execution of Trigger-Action Connection for Home Internet-of-Things. , 2022, , .		3
4	Large-scale Evaluation of Malicious Tor Hidden Service Directory Discovery. , 2022, , .		1
5	fASLR: Function-Based ASLR via TrustZone-M and MPU for Resource-Constrained IoT Systems. IEEE Internet of Things Journal, 2022, 9, 17120-17135.	8.7	2
6	802.11ac Device Identification based on MAC Frame Analysis. , 2021, , .		0
7	Prison Break of Android Reflection Restriction and Defense. , 2021, , .		0
8	Secure boot, trusted boot and remote attestation for ARM TrustZone-based IoT Nodes. Journal of Systems Architecture, 2021, 119, 102240.	4.3	15
9	Resource Demand Prediction of Cloud Workloads Using an Attention-based GRU Model. , 2021, , .		5
10	FingerAuth: 3D magnetic finger motion pattern based implicit authentication for mobile devices. Future Generation Computer Systems, 2020, 108, 1324-1337.	7.5	9
11	STIR: A Smart and Trustworthy IoT System Interconnecting Legacy IR Devices. IEEE Internet of Things Journal, 2020, 7, 3958-3967.	8.7	8
12	BLESS: A BLE Application Security Scanning Framework. , 2020, , .		6
13	Probe Request Based Device Identification Attack and Defense. Sensors, 2020, 20, 4620.	3.8	8
14	On Runtime Software Security of TrustZone-M Based IoT Devices. , 2020, , .		5
15	SIC2: Securing Microcontroller Based IoT Devices with Low-cost Crypto Coprocessors. , 2020, , .		1
16	A Novel IM Sync Message-Based Cross-Device Tracking. Security and Communication Networks, 2020, 2020, 1-15.	1.5	1
17	On Misconception of Hardware and Cost in IoT Security and Privacy. , 2019, , .		17
18	Your clicks reveal your secrets: a novel user-device linking method through network and visual data. Multimedia Tools and Applications, 2019, 78, 8337-8362.	3.9	3

#	Article	IF	Citations
19	On the Security and Data Integrity of Low-Cost Sensor Networks for Air Quality Monitoring. Sensors, 2018, 18, 4451.	3.8	20
20	Fingerprinting Network Entities Based on Traffic Analysis in High-Speed Network Environment. Security and Communication Networks, 2018, 2018, 1-15.	1.5	3
21	SecT: A Lightweight Secure Thing-Centered IoT Communication System. , 2018, , .		4
22	Fingerprinting Network Device Based on Traffic Analysis in High-Speed Network Environment. , 2018, , .		0
23	Energy-Efficient User Association with Congestion Avoidance and Migration Constraint in Green WLANs. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	5
24	Security Vulnerabilities of Internet of Things: A Case Study of the Smart Plug System. IEEE Internet of Things Journal, 2017, 4, 1899-1909.	8.7	150
25	Detection of malicious behavior in android apps through <scp>API</scp> calls and permission uses analysis. Concurrency Computation Practice and Experience, 2017, 29, e4172.	2.2	24
26	A novel attack to track users based on the behavior patterns. Concurrency Computation Practice and Experience, 2017, 29, e3891.	2.2	6
27	Implicit authentication for mobile device based on 3D magnetic finger motion pattern. , 2017, , .		4
28	Dealing with Insufficient Location Fingerprints in Wi-Fi Based Indoor Location Fingerprinting. Wireless Communications and Mobile Computing, 2017, 2017, 1-11.	1.2	16
29	Privacy Enhancing Keyboard: Design, Implementation, and Usability Testing. Wireless Communications and Mobile Computing, 2017, 2017, 1-15.	1.2	4
30	SDTCP: Towards Datacenter TCP Congestion Control with SDN for IoT Applications. Sensors, 2017, 17, 109.	3.8	33
31	Canoe: An Autonomous Infrastructure-Free Indoor Navigation System. Sensors, 2017, 17, 996.	3.8	9
32	Secure fingertip mouse for mobile devices. , 2016, , .		10
33	Efficient Fingerprinting-Based Android Device Identification With Zero-Permission Identifiers. IEEE Access, 2016, 4, 8073-8083.	4.2	14
34	Password Extraction via Reconstructed Wireless Mouse Trajectory. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 461-473.	5.4	12
35	A Novel Behavior-Based Tracking Attack for User Identification. , 2015, , .		4
36	TorWard: Discovery, Blocking, and Traceback of Malicious Traffic Over Tor. IEEE Transactions on Information Forensics and Security, 2015, 10, 2515-2530.	6.9	23

#	ARTICLE	IF	CITATIONS
37	Blind Recognition of Touched Keys on Mobile Devices. , 2014, , .		61
38	Fingerprint attack against touch-enabled devices. , 2012, , .		47