

Juan E Tapiador

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,094
citations

331259

21
h-index

276539

41
g-index

77
all docs

77
docs citations

77
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	Security and privacy issues in implantable medical devices: A comprehensive survey. Journal of Biomedical Informatics, 2015, 55, 272-289.	2.5	269
2	Evolution, Detection and Analysis of Malware for Smart Devices. IEEE Communications Surveys and Tutorials, 2014, 16, 961-987.	24.8	176
3	Dendroid: A text mining approach to analyzing and classifying code structures in Android malware families. Expert Systems With Applications, 2014, 41, 1104-1117.	4.4	175
4	The Lockdown Effect. , 2020, , .		128
5	A Survey of Wearable Biometric Recognition Systems. ACM Computing Surveys, 2017, 49, 1-35.	16.1	101
6	LAMED " A PRNG for EPC Class-1 Generation-2 RFID specification. Computer Standards and Interfaces, 2009, 31, 88-97.	3.8	87
7	Beyond Google Play. , 2018, , .		71
8	Cryptanalysis of a novel authentication protocol conforming to EPC-C1G2 standard. Computer Standards and Interfaces, 2009, 31, 372-380.	3.8	60
9	Thwarting Obfuscated Malware via Differential Fault Analysis. Computer, 2014, 47, 24-31.	1.2	44
10	Picking on the family: Disrupting android malware triage by forcing misclassification. Expert Systems With Applications, 2018, 95, 113-126.	4.4	43
11	Steganography in games: A general methodology and its application to the game of Go. Computers and Security, 2006, 25, 64-71.	4.0	41
12	A year in lockdown. Communications of the ACM, 2021, 64, 101-108.	3.3	40
13	A New TRNG Based on Coherent Sampling With Self-Timed Rings. IEEE Transactions on Industrial Informatics, 2016, 12, 91-100.	7.2	39
14	Human Identification Using Compressed ECG Signals. Journal of Medical Systems, 2015, 39, 148.	2.2	37
15	Vulnerability analysis of RFID protocols for tag ownership transfer. Computer Networks, 2010, 54, 1502-1508.	3.2	36
16	Real-time electrocardiogram streams for continuous authentication. Applied Soft Computing Journal, 2018, 68, 784-794.	4.1	36
17	An Analysis of Pre-installed Android Software. , 2020, , .		34
18	AndrODet: An adaptive Android obfuscation detector. Future Generation Computer Systems, 2019, 90, 240-261.	4.9	32

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19	Secure Publish-Subscribe Protocols for Heterogeneous Medical Wireless Body Area Networks. <i>Sensors</i> , 2014, 14, 22619-22642.	2.1	31
20	PRACIS: Privacy-preserving and aggregatable cybersecurity information sharing. <i>Computers and Security</i> , 2017, 69, 127-141.	4.0	31
21	The MalSource Dataset: Quantifying Complexity and Code Reuse in Malware Development. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 3175-3190.	4.5	26
22	Power-aware anomaly detection in smartphones: An analysis of on-platform versus externalized operation. <i>Pervasive and Mobile Computing</i> , 2015, 18, 137-151.	2.1	25
23	Practical attacks on a mutual authentication scheme under the EPC Class-1 Generation-2 standard. <i>Computer Communications</i> , 2009, 32, 1185-1193.	3.1	24
24	Key-Recovery Attacks on KIDS, a Keyed Anomaly Detection System. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015, 12, 312-325.	3.7	22
25	Cryptanalysis of an EPC Class-1 Generation-2 standard compliant authentication protocol. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 1061-1069.	4.3	21
26	Efficient ASIC Implementation and Analysis of Two EPC-C1G2 RFID Authentication Protocols. <i>IEEE Sensors Journal</i> , 2013, 13, 3537-3547.	2.4	21
27	Masquerade mimicry attack detection: A randomised approach. <i>Computers and Security</i> , 2011, 30, 297-310.	4.0	19
28	Automatic generation of HTTP intrusion signatures by selective identification of anomalies. <i>Computers and Security</i> , 2015, 55, 159-174.	4.0	19
29	Weaknesses in a new ultralightweight RFID authentication protocol with permutation-RAPP. <i>Security and Communication Networks</i> , 2014, 7, 945-949.	1.0	18
30	A Look into 30 Years of Malware Development from a Software Metrics Perspective. <i>Lecture Notes in Computer Science</i> , 2016, , 325-345.	1.0	18
31	AndrEnsemble. , 2019, , .		17
32	Detecting Targeted Smartphone Malware with Behavior-Triggering Stochastic Models. <i>Lecture Notes in Computer Science</i> , 2014, , 183-201.	1.0	16
33	Stegomalware: Playing Hide and Seek with Malicious Components in Smartphone Apps. <i>Lecture Notes in Computer Science</i> , 2015, , 496-515.	1.0	16
34	Measuring eWhoring. , 2019, , .		16
35	Secure content access and replication in pure P2P networks. <i>Computer Communications</i> , 2008, 31, 266-279.	3.1	14
36	Probabilistic yoking proofs for large scale IoT systems. <i>Ad Hoc Networks</i> , 2015, 32, 43-52.	3.4	14

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37	Non-invasive Multi-modal Human Identification System Combining ECG, GSR, and Airflow Biosignals. Journal of Medical and Biological Engineering, 2015, 35, 735-748.	1.0	14
38	ADROIT: Android malware detection using meta-information. , 2016, , .		14
39	Alterdroid: Differential Fault Analysis of Obfuscated Smartphone Malware. IEEE Transactions on Mobile Computing, 2015, , 1-1.	3.9	13
40	Highly entangled multi-qubit states with simple algebraic structure. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 415301.	0.7	12
41	Power-Aware Intrusion Detection in Mobile Ad Hoc Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 224-239.	0.2	12
42	Information-Theoretic Detection of Masquerade Mimicry Attacks. , 2010, , .		12
43	Mis-shapes, Mistakes, Misfits. , 2020, , .		12
44	Two RFID Standard-based Security Protocols for Healthcare Environments. Journal of Medical Systems, 2013, 37, 9962.	2.2	11
45	An Estimator for the ASIC Footprint Area of Lightweight Cryptographic Algorithms. IEEE Transactions on Industrial Informatics, 2014, 10, 1216-1225.	7.2	11
46	Electrical Heart Signals can be Monitored from the Moon: Security Implications for IPI-Based Protocols. Lecture Notes in Computer Science, 2015, , 36-51.	1.0	11
47	TriFlow. , 2017, , .		11
48	Heartbeats Do Not Make Good Pseudo-Random Number Generators: An Analysis of the Randomness of Inter-Pulse Intervals. Entropy, 2018, 20, 94.	1.1	11
49	The placement-configuration problem for intrusion detection nodes in wireless sensor networks. Computers and Electrical Engineering, 2013, 39, 2306-2317.	3.0	10
50	Trustworthy placements: Improving quality and resilience in collaborative attack detection. Computer Networks, 2014, 58, 70-86.	3.2	10
51	After you, please: browser extensions order attacks and countermeasures. International Journal of Information Security, 2020, 19, 623-638.	2.3	10
52	Bypassing information leakage protection with trusted applications. Computers and Security, 2012, 31, 557-568.	4.0	9
53	Randomized Anagram revisited. Journal of Network and Computer Applications, 2014, 41, 182-196.	5.8	9
54	AVRAND: A Software-Based Defense Against Code Reuse Attacks for AVR Embedded Devices. Lecture Notes in Computer Science, 2016, , 58-77.	1.0	9

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55	DEFIDNET: A framework for optimal allocation of cyberdefenses in Intrusion Detection Networks. <i>Computer Networks</i> , 2015, 80, 66-88.	3.2	8
56	Online Randomization Strategies to Obfuscate User Behavioral Patterns. <i>Journal of Network and Systems Management</i> , 2012, 20, 561-578.	3.3	7
57	Hindering data theft with encrypted data trees. <i>Journal of Systems and Software</i> , 2015, 101, 147-158.	3.3	7
58	A Multi-objective Optimisation Approach to IDS Sensor Placement. <i>Advances in Intelligent and Soft Computing</i> , 2009, , 101-108.	0.2	7
59	Metaheuristic traceability attack against SLMAP, an RFID lightweight authentication protocol. , 2009, , .		6
60	Optimization of code caves in malware binaries to evade machine learning detectors. <i>Computers and Security</i> , 2022, 116, 102643.	4.0	5
61	Bayesian rational exchange. <i>International Journal of Information Security</i> , 2008, 7, 85-100.	2.3	4
62	On the Distinguishability of Distance-Bounded Permutations in Ordered Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2008, 3, 166-172.	4.5	4
63	Learning Autonomic Security Reconfiguration Policies. , 2010, , .		4
64	Comments on "Security Improvement of an RFID Security Protocol of ISO/IEC WD 29167-6". <i>IEEE Communications Letters</i> , 2013, 17, 805-807.	2.5	4
65	Feasibility analysis of Inter-Pulse Intervals based solutions for cryptographic token generation by two electrocardiogram sensors. <i>Future Generation Computer Systems</i> , 2019, 96, 283-296.	4.9	4
66	Trouble Over-The-Air: An Analysis of FOTA Apps in the Android Ecosystem. , 2021, , .		4
67	Blocklist Babel: On the Transparency and Dynamics of Open Source Blocklisting. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 1334-1349.	3.2	4
68	Compartmentation Policies for Android Apps: A Combinatorial Optimization Approach. <i>Lecture Notes in Computer Science</i> , 2015, , 63-77.	1.0	3
69	Decorrelating WSN Traffic Patterns with Maximally Uninformative Constrained Routing. <i>Lecture Notes in Computer Science</i> , 2011, , 207-218.	1.0	2
70	A lightweight implementation of the Tav-128 hash function. <i>IEICE Electronics Express</i> , 2017, 14, 20161255-20161255.	0.3	1
71	Cooperative Security in Peer-to-Peer and Mobile Ad Hoc Networks. <i>Wireless Networks and Mobile Communications</i> , 2009, , .	1.0	1
72	Introduction to the Special Issue on Challenges and Trends in Malware Analysis. <i>Digital Threats Research and Practice</i> , 2022, 3, 1-2.	1.7	1

#	ARTICLE	IF	CITATIONS
73	Effects of Cooperation-Based Peer-to-Peer Authentication on System Performance. , 2009, , .		0
74	Message from ACS Workshop Chairs. , 2012, , .		0
75	Bootstrapping Security Policies for Wearable Apps Using Attributed Structural Graphs. Sensors, 2016, 16, 674.	2.1	0
76	Game Theory and Cooperation Analysis. Wireless Networks and Mobile Communications, 2009, , .	1.0	0
77	Modelling Uncertain and Time-Dependent Security Labels in MLS Systems. Communications in Computer and Information Science, 2012, , 158-171.	0.4	0