

Juan E Tapiador

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

1,398
citations

18
h-index

35
g-index

77
ext. papers

1,794
ext. citations

4.7
avg, IF

4.93
L-index

#	Paper	IF	Citations
71	Optimization of code caves in malware binaries to evade machine learning detectors. <i>Computers and Security</i> , 2022 , 116, 102643	4.9	1
70	Blocklist Babel: On the Transparency and Dynamics of Open Source Blocklisting. <i>IEEE Transactions on Network and Service Management</i> , 2021 , 18, 1334-1349	4.8	1
69	A year in lockdown. <i>Communications of the ACM</i> , 2021 , 64, 101-108	2.5	9
68	The Lockdown Effect 2020 ,		54
67	Mis-shapes, Mistakes, Misfits 2020 ,		5
66	After you, please: browser extensions order attacks and countermeasures. <i>International Journal of Information Security</i> , 2020 , 19, 623-638	2.8	3
65	An Analysis of Pre-installed Android Software 2020 ,		18
64	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	7.5	3
63	AndrODet: An adaptive Android obfuscation detector. <i>Future Generation Computer Systems</i> , 2019 , 90, 240-261	7.5	15
62	AndrEnsemble 2019 ,		7
61	Measuring eWhoring 2019 ,		6
60	The MalSource Dataset: Quantifying Complexity and Code Reuse in Malware Development. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 3175-3190	8	9
59	Picking on the family: Disrupting android malware triage by forcing misclassification. <i>Expert Systems With Applications</i> , 2018 , 95, 113-126	7.8	26
58	Real-time electrocardiogram streams for continuous authentication. <i>Applied Soft Computing Journal</i> , 2018 , 68, 784-794	7.5	28
57	Heartbeats Do Not Make Good Pseudo-Random Number Generators: An Analysis of the Randomness of Inter-Pulse Intervals. <i>Entropy</i> , 2018 , 20,	2.8	7
56	Beyond Google Play 2018 ,		39
55	PRACIS: Privacy-preserving and aggregatable cybersecurity information sharing. <i>Computers and Security</i> , 2017 , 69, 127-141	4.9	21

54	TriFlow 2017 ,		9
53	A lightweight implementation of the Tav-128 hash function. <i>IEICE Electronics Express</i> , 2017 , 14, 20161255-20161255		
52	A Survey of Wearable Biometric Recognition Systems. <i>ACM Computing Surveys</i> , 2016 , 49, 1-35	13.4	72
51	A Look into 30 Years of Malware Development from a Software Metrics Perspective. <i>Lecture Notes in Computer Science</i> , 2016 , 325-345	0.9	14
50	AVRAND: A Software-Based Defense Against Code Reuse Attacks for AVR Embedded Devices. <i>Lecture Notes in Computer Science</i> , 2016 , 58-77	0.9	7
49	ADROIT: Android malware detection using meta-information 2016 ,		9
48	DEFIDNET: A framework for optimal allocation of cyberdefenses in Intrusion Detection Networks. <i>Computer Networks</i> , 2015 , 80, 66-88	5.4	7
47	Probabilistic yoking proofs for large scale IoT systems. <i>Ad Hoc Networks</i> , 2015 , 32, 43-52	4.8	12
46	Alterdroid: Differential Fault Analysis of Obfuscated Smartphone Malware. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 1-1	4.6	9
45	Security and privacy issues in implantable medical devices: A comprehensive survey. <i>Journal of Biomedical Informatics</i> , 2015 , 55, 272-89	10.2	172
44	Automatic generation of HTTP intrusion signatures by selective identification of anomalies. <i>Computers and Security</i> , 2015 , 55, 159-174	4.9	11
43	Electrical Heart Signals can be Monitored from the Moon: Security Implications for IPI-Based Protocols. <i>Lecture Notes in Computer Science</i> , 2015 , 36-51	0.9	7
42	Human Identification Using Compressed ECG Signals. <i>Journal of Medical Systems</i> , 2015 , 39, 148	5.1	24
41	Non-invasive Multi-modal Human Identification System Combining ECG, GSR, and Airflow Biosignals. <i>Journal of Medical and Biological Engineering</i> , 2015 , 35, 735-748	2.2	11
40	Power-aware anomaly detection in smartphones: An analysis of on-platform versus externalized operation. <i>Pervasive and Mobile Computing</i> , 2015 , 18, 137-151	3.5	21
39	A New TRNG Based on Coherent Sampling With Self-Timed Rings. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 1-1	11.9	10
38	Hindering data theft with encrypted data trees. <i>Journal of Systems and Software</i> , 2015 , 101, 147-158	3.3	7
37	Key-Recovery Attacks on KIDS, a Keyed Anomaly Detection System. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015 , 12, 312-325	3.9	15

36	Stegomalware: Playing Hide and Seek with Malicious Components in Smartphone Apps. <i>Lecture Notes in Computer Science</i> , 2015 , 496-515	0.9	7
35	Compartmentation Policies for Android Apps: A Combinatorial Optimization Approach. <i>Lecture Notes in Computer Science</i> , 2015 , 63-77	0.9	2
34	An Estimator for the ASIC Footprint Area of Lightweight Cryptographic Algorithms. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1216-1225	11.9	9
33	Evolution, Detection and Analysis of Malware for Smart Devices. <i>IEEE Communications Surveys and Tutorials</i> , 2014 , 16, 961-987	37.1	135
32	Thwarting Obfuscated Malware via Differential Fault Analysis. <i>Computer</i> , 2014 , 47, 24-31	1.6	39
31	Trustworthy placements: Improving quality and resilience in collaborative attack detection. <i>Computer Networks</i> , 2014 , 58, 70-86	5.4	10
30	Randomized Anagram revisited. <i>Journal of Network and Computer Applications</i> , 2014 , 41, 182-196	7.9	8
29	Secure publish-subscribe protocols for heterogeneous medical wireless body area networks. <i>Sensors</i> , 2014 , 14, 22619-42	3.8	27
28	Weaknesses in a new ultralightweight RFID authentication protocol with permutation-RAPP. <i>Security and Communication Networks</i> , 2014 , 7, 945-949	1.9	14
27	Dendroid: A text mining approach to analyzing and classifying code structures in Android malware families. <i>Expert Systems With Applications</i> , 2014 , 41, 1104-1117	7.8	141
26	Detecting Targeted Smartphone Malware with Behavior-Triggering Stochastic Models. <i>Lecture Notes in Computer Science</i> , 2014 , 183-201	0.9	13
25	Two RFID standard-based security protocols for healthcare environments. <i>Journal of Medical Systems</i> , 2013 , 37, 9962	5.1	8
24	The placement-configuration problem for intrusion detection nodes in wireless sensor networks. <i>Computers and Electrical Engineering</i> , 2013 , 39, 2306-2317	4.3	6
23	Comments on "Security Improvement of an RFID Security Protocol of ISO/IEC WD 29167-6". <i>IEEE Communications Letters</i> , 2013 , 17, 805-807	3.8	4
22	Efficient ASIC Implementation and Analysis of Two EPC-C1G2 RFID Authentication Protocols. <i>IEEE Sensors Journal</i> , 2013 , 13, 3537-3547	4	18
21	Bypassing information leakage protection with trusted applications. <i>Computers and Security</i> , 2012 , 31, 557-568	4.9	7
20	Online Randomization Strategies to Obfuscate User Behavioral Patterns. <i>Journal of Network and Systems Management</i> , 2012 , 20, 561-578	2.1	6
19	Modelling Uncertain and Time-Dependent Security Labels in MLS Systems. <i>Communications in Computer and Information Science</i> , 2012 , 158-171	0.3	

18	Cryptanalysis of an EPC Class-1 Generation-2 standard compliant authentication protocol. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1061-1069	7.2	18
17	Masquerade mimicry attack detection: A randomised approach. <i>Computers and Security</i> , 2011 , 30, 297-310	10.9	15
16	Decorrelating WSN Traffic Patterns with Maximally Uninformative Constrained Routing. <i>Lecture Notes in Computer Science</i> , 2011 , 207-218	0.9	1
15	Power-Aware Intrusion Detection in Mobile Ad Hoc Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010 , 224-239	0.2	8
14	Learning Autonomic Security Reconfiguration Policies 2010 ,		3
13	Information-Theoretic Detection of Masquerade Mimicry Attacks 2010 ,		6
12	Vulnerability analysis of RFID protocols for tag ownership transfer. <i>Computer Networks</i> , 2010 , 54, 1502-1508	15.8	28
11	Metaheuristic traceability attack against SLMAP, an RFID lightweight authentication protocol 2009 ,		5
10	LAMED \boxtimes PRNG for EPC Class-1 Generation-2 RFID specification. <i>Computer Standards and Interfaces</i> , 2009 , 31, 88-97	3.5	69
9	Cryptanalysis of a novel authentication protocol conforming to EPC-C1G2 standard. <i>Computer Standards and Interfaces</i> , 2009 , 31, 372-380	3.5	39
8	Practical attacks on a mutual authentication scheme under the EPC Class-1 Generation-2 standard. <i>Computer Communications</i> , 2009 , 32, 1185-1193	5.1	18
7	Highly entangled multi-qubit states with simple algebraic structure. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 415301	2	12
6	A Multi-objective Optimisation Approach to IDS Sensor Placement. <i>Advances in Intelligent and Soft Computing</i> , 2009 , 101-108		5
5	Cooperative Security in Peer-to-Peer and Mobile Ad Hoc Networks. <i>Wireless Networks and Mobile Communications</i> , 2009 ,		1
4	On the Distinguishability of Distance-Bounded Permutations in Ordered Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2008 , 3, 166-172	8	3
3	Bayesian rational exchange. <i>International Journal of Information Security</i> , 2008 , 7, 85-100	2.8	3
2	Secure content access and replication in pure P2P networks. <i>Computer Communications</i> , 2008 , 31, 266-279	5.1	9
1	Steganography in games: A general methodology and its application to the game of Go. <i>Computers and Security</i> , 2006 , 25, 64-71	4.9	28

