Manuel Gil PÃ©rez

List of Publications by Year
in descending order

		567144	330025
66 papers	1,459 citations	15 h-index	37 g-index
66 all docs	66 docs citations	66 times ranked	1655 citing authors

#	Article	IF	Citations
1	Precise: Privacy-aware recommender based on context information for cloud service environments. IEEE Communications Magazine, 2014, 52, 90-96.	4.9	569
2	A Self-Adaptive Deep Learning-Based System for Anomaly Detection in 5G Networks. IEEE Access, 2018, 6, 7700-7712.	2.6	196
3	A Survey on Device Behavior Fingerprinting: Data Sources, Techniques, Application Scenarios, and Datasets. IEEE Communications Surveys and Tutorials, 2021, 23, 1048-1077.	24.8	56
4	SeCoMan: A Semantic-Aware Policy Framework for Developing Privacy-Preserving and Context-Aware Smart Applications. IEEE Systems Journal, 2016, 10, 1111-1124.	2.9	52
5	Dynamic management of a deep learning-based anomaly detection system for 5G networks. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3083-3097.	3.3	42
6	UMUDGA: A dataset for profiling DGA-based botnet. Computers and Security, 2020, 92, 101719.	4.0	36
7	Design of a recommender system based on users' behavior and collaborative location and tracking. Journal of Computational Science, 2016, 12, 83-94.	1.5	33
8	Dynamic Reconfiguration in 5G Mobile Networks to Proactively Detect and Mitigate Botnets. IEEE Internet Computing, 2017, 21, 28-36.	3.2	28
9	RepCIDN: A Reputation-based Collaborative Intrusion Detection Network to Lessen the Impact of Malicious Alarms. Journal of Network and Systems Management, 2013, 21, 128-167.	3.3	27
10	PKI-based trust management in inter-domain scenarios. Computers and Security, 2010, 29, 278-290.	4.0	26
11	Spotting Political Social Bots in Twitter: A Use Case of the 2019 Spanish General Election. IEEE Transactions on Network and Service Management, 2020, 17, 2156-2170.	3.2	26
12	A novel Machine Learning-based approach for the detection of SSH botnet infection. Future Generation Computer Systems, 2021, 115, 387-396.	4.9	23
13	On the performance of a deep learning-based anomaly detection system for 5G networks. , 2017, , .		22
14	Reporting Offensive Content in Social Networks: Toward a Reputation-Based Assessment Approach. IEEE Internet Computing, 2014, 18, 32-40.	3.2	20
15	SafeMan: A unified framework to manage cybersecurity and safety in manufacturing industry. Software - Practice and Experience, 2021, 51, 607-627.	2.5	19
16	Sustainable securing of Medical Cyber-Physical Systems for the healthcare of the future. Sustainable Computing: Informatics and Systems, 2018, 19, 138-146.	1.6	18
17	Towards the autonomous provision of self-protection capabilities in 5G networks. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4707-4720.	3.3	16
18	Scalable detection of botnets based on DGA. Soft Computing, 2020, 24, 5517-5537.	2.1	15

#	Article	IF	Citations
19	UMUDGA: A dataset for profiling algorithmically generated domain names in botnet detection. Data in Brief, 2020, 30, 105400.	0.5	15
20	PALOT: Profiling and Authenticating Users Leveraging Internet of Things. Sensors, 2019, 19, 2832.	2.1	13
21	Screening Out Social Bots Interference: Are There Any Silver Bullets?. IEEE Communications Magazine, 2019, 57, 98-104.	4.9	13
22	Dynamic network slicing management of multimedia scenarios for future remote healthcare. Multimedia Tools and Applications, 2019, 78, 24707-24737.	2.6	13
23	ReCAN â€" Dataset for reverse engineering of Controller Area Networks. Data in Brief, 2020, 29, 105149.	0.5	12
24	Toward pre-standardization of reputation-based trust models beyond 5G. Computer Standards and Interfaces, 2022, 81, 103596.	3.8	11
25	Trustworthy placements: Improving quality and resilience in collaborative attack detection. Computer Networks, 2014, 58, 70-86.	3.2	10
26	A Dynamic Continuous Authentication Framework in IoT-Enabled Environments. , 2018, , .		9
27	Policy-Based Management for Green Mobile Networks Through Software-Defined Networking. Mobile Networks and Applications, 2019, 24, 657-666.	2.2	9
28	Design of a Security and Trust Framework for 5G Multi-domain Scenarios. Journal of Network and Systems Management, 2022, 30, 1.	3.3	9
29	Building a reputation-based bootstrapping mechanism for newcomers in collaborative alert systems. Journal of Computer and System Sciences, 2014, 80, 571-590.	0.9	8
30	Automatic monitoring management for 5G mobile networks. Procedia Computer Science, 2017, 110, 328-335.	1.2	8
31	Enabling Highly Dynamic Mobile Scenarios with Software Defined Networking. , 2017, 55, 108-113.		7
32	Preserving patientsâ€™ privacy in health scenarios through a multicontext-aware system. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 577-587.	1.6	7
33	SELFNET 5G mobile edge computing infrastructure: Design and prototyping. Software - Practice and Experience, 2020, 50, 741-756.	2.5	7
34	Identification and Classification of Cyber Threats Through SSH Honeypot Systems. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 105-129.	0.4	7
35	Chasing Offensive Conduct in Social Networks. ACM Transactions on Internet Technology, 2015, 15, 1-20.	3.0	6
36	Advanced Policies for the Administrative Delegation in Federated Environments. , 2010, , .		5

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37	Policy-based network slicing management for future mobile communications. , 2018, , .		5
38	Twitter social bots: The 2019 Spanish general election data. Data in Brief, 2020, 32, 106047.	0.5	5
39	Early DGA-based botnet identification: pushing detection to the edges. Cluster Computing, 2021, 24, 1695-1710.	3.5	5
40	Secure overlay networks for federated service provision and management. Computers and Electrical Engineering, 2008, 34, 173-191.	3.0	4
41	Mobility in Collaborative Alert Systems: Building Trust through Reputation. Lecture Notes in Computer Science, 2011, , 251-262.	1.0	4
42	I Don't Trust ICT: Research Challenges in Cyber Security. IFIP Advances in Information and Communication Technology, 2016, , 129-136.	0.5	4
43	Resolving privacy-preserving relationships over outsourced encrypted data storages. International Journal of Information Security, 2016, 15, 195-209.	2.3	4
44	Mitigation of cyber threats: Protection mechanisms in federated SDN/NFV infrastructures for 5G within FIRE+. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	4
45	A Review of Spotting political social bots in Twitter: A use case of the 2019 Spanish general election. Colección Jornadas Y Congresos, 0, , .	0.0	4
46	An advanced certificate validation service and architecture based on XKMS. Software - Practice and Experience, 2011, 41, 209-236.	2.5	3
47	PROTECTOR: Towards the protection of sensitive data in Europe and the US. Computer Networks, 2020, 181, 107448.	3.2	3
48	Review and Open Challenges of Public Safety Networks to Manage Emergency Settings in 5G. , 2020, , .		3
49	Providing advanced authentication services in IPv6 muti-domain scenarios. International Journal of Internet Protocol Technology, 2005, 1, 75.	0.2	2
50	A Linguistic Fuzzy-XCS classifier system. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	2
51	Improving attack detection in self-organizing networks: A trust-based approach toward alert satisfaction. , 2015, , .		2
52	Real-time aggregation framework in a 5G SDN self-management environment. , 2018, , .		2
53	BEHACOM - a dataset modelling users' behaviour in computers. Data in Brief, 2020, 31, 105767.	0.5	2
54	A Management Platform for Citizen's Data Protection Regulation. Communications in Computer and Information Science, 2019, , 60-72.	0.4	2

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55	Event-Driven Architecture for Intrusion Detection Systems Based on Patterns. , 2008, , .		1
56	Decision Support Console for System Administration Based on an Expert System Approach. , 2009, , .		1
57	Event-driven architecture based on patterns for detecting complex attacks. International Journal of Critical Computer-Based Systems, 2010, 1, 283.	0.1	1
58	What Private Information Are You Disclosing? A Privacy-Preserving System Supervised by Yourself. , 2014, , .		1
59	MASTERY: A multicontext-aware system that preserves the users' privacy. , 2016, , .		1
60	Trusted Execution Environment-Enabled Platform for 5G Security and Privacy Enhancement. Studies in Big Data, 2022, , 203-223.	0.8	1
61	Towards a Policy-Driven Framework for Managing Service Dependability. , 2009, , .		0
62	RECLAMO: Virtual and Collaborative Honeynets Based on Trust Management and Autonomous Systems Applied to Intrusion Management. , 2013, , .		0
63	Catalog-Driven Services in a 5G SDN/NFV Self-Managed Environment. , 2018, , .		0
64	5G-CAGE: A Context and Situational Awareness System for City Public Safety with Video Processing at a Virtualized Ecosystem. , 2019, , .		0
65	A review of SSH botnet detection in initial stages of infection: a Machine Learning-based approach. Colección Jornadas Y Congresos, 0, , .	0.0	0
66	Parallelizing the Design and Development of a Monitoring System. Lecture Notes in Computer Science, 2009, , 77-84.	1.0	0