Paulo Simoes

List of Publications by Year
in descending order

91 papers	839 citations	623574 14 h-index	642610 23 g-index
93 all docs	93 docs citations	93 times ranked	784 citing authors

#	Article	IF	Citations
1	A Cybersecurity Detection Framework for Supervisory Control and Data Acquisition Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 2236-2246.	7.2	117
2	Edge caching with mobility prediction in virtualized LTE mobile networks. Future Generation Computer Systems, 2017, 70, 148-162.	4.9	51
3	Current and Future Trends in Mobile Device Forensics. ACM Computing Surveys, 2019, 51, 1-31.	16.1	40
4	Combining K-Means and XGBoost Models for Anomaly Detection Using Log Datasets. Electronics (Switzerland), 2020, 9, 1164.	1.8	35
5	Improving network security monitoring for industrial control systems. , 2015, , .		33
6	Improving Resilience of Interdependent Critical Infrastructures via an On-Line Alerting System. , 2010, , .		29
7	The QueuePusher: Enabling Queue Management in OpenFlow. , 2014, , .		25
8	Virtualizing Programmable Logic Controllers: Toward a Convergent Approach. IEEE Embedded Systems Letters, 2016, 8, 69-72.	1.3	24
9	Intrusion and anomaly detection for the next-generation of industrial automation and control systems. Future Generation Computer Systems, 2021, 119, 50-67.	4.9	24
10	JAMES: A Platform of Mobile Agents for the Management of Telecommunication Networks. Lecture Notes in Computer Science, 1999, , 76-95.	1.0	23
11	A stealth monitoring mechanism for cyber-physical systems. International Journal of Critical Infrastructure Protection, 2019, 24, 126-143.	2.9	23
12	A Comprehensive Security Analysis of a SCADA Protocol: From OSINT to Mitigation. IEEE Access, 2019, 7, 42156-42168.	2.6	21
13	Specialized Honeypots for SCADA Systems. Intelligent Systems, Control and Automation: Science and Engineering, 2015, , 251-269.	0.3	17
14	Toward a Fully Cloudified Mobile Network Infrastructure. IEEE Transactions on Network and Service Management, 2016, 13, 547-563.	3.2	17
15	Denial of Service Attacks: Detecting the Frailties of Machine Learning Algorithms in the Classification Process. Lecture Notes in Computer Science, 2019, , 230-235.	1.0	16
16	Security of Building Automation and Control Systems: Survey and future research directions. Computers and Security, 2022, 112, 102527.	4.0	16
17	Providing applications with mobile agent technology. , 0, , .		15
18	Design and implementation of a mediation system enabling secure communication among Critical Infrastructures. International Journal of Critical Infrastructure Protection, 2012, 5, 86-97.	2.9	15

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19	Mobile Forensic Data Analysis: Suspicious Pattern Detection in Mobile Evidence. IEEE Access, 2018, 6, 59705-59727.	2.6	13
20	WiMAX for Emergency Services: An Empirical Evaluation. , 2007, , .		12
21	Attacking SCADA systems: A practical perspective. , 2017, , .		12
22	CWMP extensions for enhanced management of domestic network services. , 2010, , .		11
23	Expedite feature extraction for enhanced cloud anomaly detection. , 2016, , .		11
24	Tutamen: An Integrated Personal Mobile and Adaptable Video Platform for Health and Protection. IFIP Advances in Information and Communication Technology, 2013, , 442-451.	0.5	10
25	Integration of PXE-based desktop solutions into broadband access networks. , 2010, , .		9
26	A Survey of Cloud Computing Migration Issues and Frameworks. Advances in Intelligent Systems and Computing, 2014, , 161-170.	0.5	8
27	Towards a Hybrid Intrusion Detection System for Android-based PPDR terminals. , 2017, , .		8
28	Integrating SNMP into a Mobile Agent Infrastructure. Lecture Notes in Computer Science, 1999, , 148-163.	1.0	8
29	WEIRD Testbeds with Fixed and Mobile WiMAX Technology for User Applications, Telemedicine and Monitoring of Impervious Areas. , 2008, , .		8
30	Down the Rabbit Hole: Fostering Active Learning through Guided Exploration of a SCADA Cyber Range. Applied Sciences (Switzerland), 2021, 11, 9509.	1.3	8
31	Efficient and secure M2M communications for smart metering. , 2014, , .		7
32	Enabling a Mobility Prediction-Aware Follow-Me Cloud Model. , 2016, , .		7
33	Virtualization of Residential Gateways: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1462-1482.	24.8	7
34	A Security Monitoring Framework for Mobile Devices. Electronics (Switzerland), 2020, 9, 1197.	1.8	7
35	Peer Selection in P2P Service Overlays Using Geographical Location Criteria. Lecture Notes in Computer Science, 2012, , 234-248.	1.0	7
36	Cloud Computing: Concepts, Technologies and Challenges. Communications in Computer and Information Science, 2012, , 127-136.	0.4	6

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37	SDN-Enabled Virtual Data Diode. Lecture Notes in Computer Science, 2019, , 102-118.	1.0	6
38	Privacy in the Cloud: A Survey of Existing Solutions and Research Challenges. IEEE Access, 2021, 9, 10473-10497.	2.6	6
39	A Framework for the establishment of inter-domain, on-demand VPNs. , 2008, , .		5
40	Trust and reputation management for critical infrastructure protection. International Journal of Electronic Security and Digital Forensics, 2010, 3, 187.	0.1	5
41	Trust based interdependency weighting for on-line risk monitoring in interdependent critical infrastructures. , 2011, , .		5
42	VoIP performance over mobile WiMAX: An urban deployment analysis. , 2012, , .		5
43	A Distributed IDS for Industrial Control Systems. International Journal of Cyber Warfare and Terrorism, 2014, 4, 1-22.	0.3	5
44	Cooperative security management for broadband network environments. Security and Communication Networks, 2015, 8, 3953-3977.	1.0	5
45	Building an NFV-based vRGW: Lessons learned. , 2017, , .		5
46	A P2P-Based Approach to Cross-Domain Network and Service Management. Lecture Notes in Computer Science, 2009, , 179-182.	1.0	5
47	OMAN â€" A Management Architecture for P2P Service Overlay Networks. Lecture Notes in Computer Science, 2010, , 14-25.	1.0	5
48	Integrating mobile agents into off-the-shelf web servers: the M&M approach. , 0, , .		4
49	A component-based approach for integrating mobile agents into the existing web infrastructure. , 0, , .		4
50	QoS Management and Control for an All-IP WiMAX Network Architecture: Design, Implementation and Evaluation. Mobile Information Systems, 2008, 4, 253-271.	0.4	4
51	An aggregation scheme for the optimisation of service search in Peer-to-Peer overlays. , 2010, , .		4
52	QoS adaptation in inter-domain services. , 2011, , .		4
53	Enabling Preos Desktop Management. , 2003, , 321-334.		4
54	Keeping an Eye on Your Security Through Assurance Indicators. , 2014, , .		4

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55	On the use of thin-client Set-Top Boxes for IPTV services. , 2013, , .		3
56	Big Data in Cloud: A Data Architecture. Advances in Intelligent Systems and Computing, 2015, , 723-732.	0.5	3
57	Provisioning of Inter-Domain QoS-Aware Services. Journal of Computer Science and Technology, 2015, 30, 404-420.	0.9	3
58	Optimizing the Delivery of Services Supported by Residential Gateways. Advances in Web Technologies and Engineering Book Series, 2015, , 432-473.	0.4	3
59	A service composition approach for inter-domain provisioning. , 2010, , .		2
60	A Framework for Internet Media Services Delivery to the Home Environment. Journal of Network and Systems Management, 2013, 21, 99-127.	3.3	2
61	Trust Based Interdependency Weighting for On-Line Risk Monitoring in Interdependent Critical Infrastructures. International Journal of Secure Software Engineering, 2013, 4, 47-69.	0.4	2
62	A Comparison of Classification Techniques for Detection of VoIP Traffic. , 2014, , .		2
63	A mobile follow-me cloud content caching model. , 2016, , .		2
64	Fuzzy System-Based Suspicious Pattern Detection in Mobile Forensic Evidence. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 106-114.	0.2	2
65	Risk Management and Privacy Violation Detection in the PoSeID-on Data Privacy Platform. SN Computer Science, 2020, 1, 1.	2.3	2
66	Towards a High Performance DNSaaS Deployment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 77-90.	0.2	2
67	Effect of Network Architecture Changes on OCSVM Based Intrusion Detection System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 90-100.	0.2	2
68	Performance evaluation of service searching using aggregation in peer-to-peer Service Overlay Networks. , 2011, , .		1
69	Using UPnP-CWMP integration for operator-assisted management of domestic LANs. , 2012, , .		1
70	Approach for service search and peer selection in P2P service overlays. , 2013, , .		1
71	Monitoring as a service for cloud environments. , 2014, , .		1
72	SDN-assisted containerized security and monitoring components. , 2020, , .		1

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73	Revisiting the Concept of Virtualized Residential Gateways. Advances in Web Technologies and Engineering Book Series, 2021, , 272-304.	0.4	1
74	MICIE: An Alerting Framework for Interdependent Critical Infrastructures. Lecture Notes in Computer Science, 2010, , 207-208.	1.0	1
75	Towards Manageable Mobile Agent Infrastructures. Lecture Notes in Computer Science, 2001, , 458-467.	1.0	1
76	NSIS-Based Quality of Service and Resource Allocation in Ethernet Networks. Lecture Notes in Computer Science, 2006, , 132-142.	1.0	1
77	Trust and Reputation Management for Critical Infrastructure Protection. Communications in Computer and Information Science, 2010, , 39-47.	0.4	1
78	Assurance and Trust Indicators to Evaluate Accuracy of On-line Risk in Critical Infrastructures. Lecture Notes in Computer Science, 2013, , 30-41.	1.0	1
79	Towards Protecting Critical Infrastructures. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2015, , 121-165.	0.4	1
80	A Support Framework for the Migration of E-Government Services to the Cloud. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2016, , 124-162.	0.2	1
81	EMPATIA. International Journal of Electronic Government Research, 2019, 15, 58-89.	0.5	1
82	Evolving the Security Paradigm for Industrial IoT Environments. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 69-90.	0.4	1
83	The use of COPS and NSIS in the EuQoS Project. , 2005, , 159-171.		1
84	Virtualizing Customer Premises Equipment. , 2021, , .		1
85	Novel WiMAX Scenarios for Future Broadband Wireless Access Networks. , 0, , 45-67.		0
86	How to provision and manage off-the-shelf SIP phones in domestic and SOHO environments. , 2011, , .		0
87	Evaluation of scalable, on-demand DNS-as-a-Service. , 2017, , .		0
88	Welcome from the Chairs. , 2017, , .		0
89	An IPSec Mediation Approach for Safe Establishment of Inter-domain VPNs. Lecture Notes in Computer Science, 2009, , 155-160.	1.0	0
90	On the Dimensioning of an Aggregation Service for P2P Service Overlay Networks. Lecture Notes in Computer Science, 2011, , 136-147.	1.0	0

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91	Next-Generation Communication Systems for PPDR: the SALUS Perspective. , 2015, , 49-93.		0