

# Jorge Sa Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

2,646  
citations

394421

19  
h-index

302126

39  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2894  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Approach to the Unified Management of Heterogeneous IoT Environments. IEEE Internet of Things Journal, 2021, 8, 6916-6927.	8.7	4
2	End-to-end experimentation of a 5G vertical within the scope of blended learning. Discover Internet of Things, 2021, 1, 1.	4.8	12
3	Reliable Link Level Routing Algorithm in Pipeline Monitoring Using Implicit Acknowledgements. Sensors, 2021, 21, 968.	3.8	6
4	A Privacy-Aware Framework Integration into a Human-in-the-Loop IoT System. , 2021, , .		5
5	Wearable Edge AI Applications for Ecological Environments. Sensors, 2021, 21, 5082.	3.8	10
6	IoT Registration and Authentication in Smart City Applications with Blockchain. Sensors, 2021, 21, 1323.	3.8	27
7	A Survey of IoT Management Protocols and Frameworks. IEEE Communications Surveys and Tutorials, 2020, 22, 1168-1190.	39.4	88
8	Exploring Approaches to the Management of Physical, Virtual, and Social Sensors. , 2020, , .		1
9	A Qualitative Study on Trust Perception in IoT Mobile Applications. , 2020, , .		2
10	Algorithm and Distributed Computing for the Internet of Things. Sensors, 2020, 20, 4513.	3.8	0
11	A Solution for Dynamic Management of User Profiles in IoT Environments. IEEE Latin America Transactions, 2020, 18, 1193-1199.	1.6	32
12	Analysis of Student Academic Performance Using Human-in-the-Loop Cyber-Physical Systems. Telecom, 2020, 1, 18-31.	2.6	3
13	NanoSen-AQM: From Sensors to Users. International Journal of Online and Biomedical Engineering, 2020, 16, 51.	1.4	3
14	PRISER: Managing Notification in Multiples Devices with Data Privacy Support. Sensors, 2019, 19, 3098.	3.8	23
15	An Online Platform For Real-Time Air Quality Monitoring. , 2019, , .		4
16	Low-Energy Smart Cities Network with LoRa and Bluetooth. , 2019, , .		7
17	A Unified Solution for IoT Device Management. , 2019, , .		1
18	A Hybrid Application for Real-Time Air Quality Monitoring. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
19	Security and Fault Detection in In-node components of IIoT Constrained Devices. , 2019, , .		3
20	Industry 4.0 Retrofitting. , 2018, , .		30
21	Data Transmission Performance Analysis with Smart Grid Protocol and Cryptography Algorithms. , 2018, , .		9
22	Towards Effective IoT Management. , 2018, , .		5
23	Securing WirelessHART: Monitoring, Exploring and Detecting New Vulnerabilities. , 2018, , .		4
24	Assessing Redundancy Models for IoT Reliability. , 2018, , .		12
25	Industrial IoT Monitoring: Technologies and Architecture Proposal. Sensors, 2018, 18, 3568.	3.8	59
26	An Outlook on Physical and Virtual Sensors for a Socially Interactive Internet. Sensors, 2018, 18, 2578.	3.8	14
27	Special issue on management of <scp>IoT</scp>. International Journal of Network Management, 2018, 28, e2032.	2.2	1
28	A Taxonomy of Faults for Wireless Sensor Networks. Journal of Network and Systems Management, 2017, 25, 591-611.	4.9	33
29	People-Centric Internet of Things. , 2017, 55, 18-19.		23
30	Opportunistic fog computing: Feasibility assessment and architectural proposal. , 2017, , .		6
31	Wireless sensors and mobile phones for human well-being. , 2017, , .		4
32	WSNs in FIWARE â€œ Towards the Development of People-Centric Applications. Communications in Computer and Information Science, 2017, , 445-456.	0.5	2
33	An architecture for emotional smartphones in Internet of Things. , 2016, , .		2
34	FoTSeC â€” Human Security in Fog of Things. , 2016, , .		3
35	Automatic allocation of identifiers in linear wireless sensor networks using link-level processes. , 2016, , .		1
36	An autonomous diagnostic tool for the WirelessHART industrial standard. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	A data fusion protocol for WSN performance and data retrieval. , 2016, , .		1
38	Human-in-the-loop Connectivity Management in Smartphones. Lecture Notes in Computer Science, 2016, , 159-170.	1.3	3
39	Tech4SocialChange: Technology for All. Communications in Computer and Information Science, 2016, , 153-169.	0.5	1
40	New mechanisms for privacy in human-in-the-loop cyber-physical systems. , 2015, , .		1
41	Happy hour - improving mood with an emotionally aware application. , 2015, , .		5
42	A Survey on Human-in-the-Loop Applications Towards an Internet of All. IEEE Communications Surveys and Tutorials, 2015, 17, 944-965.	39.4	198
43	Security for the Internet of Things: A Survey of Existing Protocols and Open Research Issues. IEEE Communications Surveys and Tutorials, 2015, 17, 1294-1312.	39.4	834
44	A symbiotic resources sharing IoT platform in the smart cities context. , 2015, , .		8
45	Infrastructure-supported mobility in wireless sensor networks “ A case study. , 2015, , .		3
46	Achieving Human-Aware Seamless Handoff. , 2015, , .		0
47	DynMAC: A resistant MAC protocol to coexistence in wireless sensor networks. Computer Networks, 2015, 76, 1-16.	5.1	23
48	Security in the integration of low-power Wireless Sensor Networks with the Internet: A survey. Ad Hoc Networks, 2015, 24, 264-287.	5.5	79
49	A scalable localization system for critical controlled wireless sensor networks. , 2014, , .		8
50	IoT architecture proposal for disabled people. , 2014, , .		30
51	Network-layer security for the Internet of Things using TinyOS and BLIP. International Journal of Communication Systems, 2014, 27, 1938-1963.	2.5	37
52	Mobility in wireless sensor networks “ Survey and proposal. Computer Communications, 2014, 52, 1-20.	5.1	139
53	An Automated Application-Independent Approach to Anomaly Detection in Wireless Sensor Networks. Lecture Notes in Computer Science, 2014, , 1-14.	1.3	2
54	Information and Assisted Navigation System for Blind People. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-4.	0.7	8

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55	Diagnostic Tools for Wireless Sensor Networks: A Comparative Survey. Journal of Network and Systems Management, 2013, 21, 408-452.	4.9	20
56	Navigation architecture for mobile robots with temporal stabilization of movements. , 2013, , .		1
57	iSenior” A Support System for Elderly Citizens. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 207-217.	4.6	7
58	The GINSENG system for wireless monitoring and control. ACM Transactions on Sensor Networks, 2013, 10, 1-40.	3.6	93
59	Security Issues and Approaches on Wireless M2M Systems. Signals and Communication Technology, 2013, , 133-164.	0.5	3
60	Application-Layer Security for the WoT: Extending CoAP to Support End-to-End Message Security for Internet-Integrated Sensing Applications. Lecture Notes in Computer Science, 2013, , 140-153.	1.3	24
61	A Web Service-Based Framework Model for People-Centric Sensing Applications Applied to Social Networking. Sensors, 2012, 12, 1688-1701.	3.8	6
62	On the feasibility of secure application-layer communications on the Web of Things. , 2012, , .		8
63	Mobile multimedia in wireless sensor networks. International Journal of Sensor Networks, 2012, 11, 3.	0.4	11
64	Characteristics of Channels of IEEE 802.15.4 Compliant Sensor Networks. Wireless Personal Communications, 2012, 67, 541-556.	2.7	12
65	Hermes: A versatile platform for wireless embedded systems. , 2012, , .		5
66	A framework for Wireless Sensor Networks performance monitoring. , 2012, , .		8
67	A framework for cognitive radio wireless sensor networks. , 2012, , .		10
68	On the Effectiveness of End-to-End Security for Internet-Integrated Sensing Applications. , 2012, , .		29
69	A proposal for proxy-based mobility in WSNs. Computer Communications, 2012, 35, 1200-1216.	5.1	32
70	Ethernet Access Networks Resources Sharing from a Signalling Perspective. , 2011, , .		0
71	Mobility in WSNs for critical applications. , 2011, , .		27
72	WSN evaluation in industrial environments first results and lessons learned. , 2011, , .		10

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73	Mobility solutions for wireless sensor and actuator networks with performance guarantees. , 2011, , .		22
74	Mobile IP-Based Protocol for Wireless Personal Area Networks in Critical Environments. Wireless Personal Communications, 2011, 61, 711-737.	2.7	24
75	A Taxonomy of Wireless Sensor Networks with QoS. , 2011, , .		3
76	iHorse &#x2014; A WSN-based equine monitoring system. , 2011, , .		1
77	A Framework for Integrating WSNs and External Environments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 383-389.	0.4	0
78	A secure interconnection model for IPv6 enabled wireless sensor networks. , 2010, , .		20
79	Enabling Network-Layer Security on IPv6 Wireless Sensor Networks. , 2010, , .		43
80	A Proxy-Based Mobility Solution for Critical WSN Applications. , 2010, , .		5
81	Wireless sensor networks to support elementary school learning activities. Proceedings of the International Conference on Computer Systems and Technologies and Workshop for PhD Students in Computing, 2009, , .	0.0	0
82	Performance Control in Wireless Sensor Networks. , 2009, , .		6
83	A comparison of approaches to node and service discovery in 6LoWPAN wireless sensor networks. , 2009, , .		5
84	Wireless Sensor Networks in Intensive Care Units. , 2009, , .		6
85	Robust dynamic user authentication scheme for wireless sensor networks. , 2009, , .		19
86	A new approach for multi-sink environments in WSNs. , 2009, , .		12
87	Mobility management in IP-based Wireless Sensor Networks. , 2008, , .		15
88	6GLAD: IPv6 Global to Link-layer ADdress Translation for 6LoWPAN Overhead Reducing. , 2008, , .		12
89	The Cost of Using IEEE 802.16d Dynamic Channel Configuration. , 2008, , .		3
90	Why should multicast be used in WSNs. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
91	Why is IPSec a viable option for wireless sensor networks. , 2008, , .		39
92	IP in wireless sensor networks Issues and lessons learnt. , 2008, , .		11
93	EuQoS approach for resource allocation in Ethernet networks. International Journal of Network Management, 2007, 17, 373-388.	2.2	2
94	GENSEN: A Topology Generator for Real Wireless Sensor Networks Deployment. Lecture Notes in Computer Science, 2007, , 436-445.	1.3	47
95	NSIS-Based Quality of Service and Resource Allocation in Ethernet Networks. Lecture Notes in Computer Science, 2006, , 132-142.	1.3	1
96	The use of COPS and NSIS in the EuQoS Project. , 2005, , 159-171.		1