

# Luiz Carmo

## 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.

40  
papers

313  
citations

8  
h-index

16  
g-index

47  
ext. papers

407  
ext. citations

3  
avg, IF

3.36  
L-index

#	Paper	IF	Citations
40	Model-Based Stealth Attack to Networked Control System Based on Real-Time Ethernet. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7672-7683	8.9	2
39	Securing Smart Meters Through Physical Properties of Their Components. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	2
38	Identification of Data Injection Attacks in Networked Control Systems Using Noise Impulse Integration. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
37	Controlling Smart Meters Integrity via Identity Management of its Components <b>2020</b> ,		1
36	Bio-inspired Active System Identification: a Cyber-Physical Intelligence Attack in Networked Control Systems. <i>Mobile Networks and Applications</i> , <b>2020</b> , 25, 1944-1957	2.9	7
35	A controller design for mitigation of passive system identification attacks in networked control systems. <i>Journal of Internet Services and Applications</i> , <b>2018</b> , 9,	2.6	5
34	Using Physical Context-Based Authentication against External Attacks: Models and Protocols. <i>Security and Communication Networks</i> , <b>2018</b> , 2018, 1-14	1.9	4
33	How blockchains can improve measuring instruments regulation and control <b>2018</b> ,		7
32	COMFIT: A development environment for the Internet of Things. <i>Future Generation Computer Systems</i> , <b>2017</b> , 75, 128-144	7.5	19
31	An enhanced bootstrap method to detect possible fraudulent behavior in testing facilities. <i>Accreditation and Quality Assurance</i> , <b>2017</b> , 22, 21-27	0.7	1
30	Covert Attacks in Cyber-Physical Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1641-1651	11.9	60
29	How blockchains can help legal metrology <b>2017</b> ,		4
28	EVINCED: Integrity Verification Scheme for Embedded Systems Based on Time and Clock Cycles <b>2017</b> ,		3
27	<b>2017</b> ,		2
26	A Decentralized Damage Detection System for Wireless Sensor and Actuator Networks. <i>IEEE Transactions on Computers</i> , <b>2016</b> , 65, 1363-1376	2.5	8
25	Multicast Delayed Authentication For Streaming Synchrophasor Data in the Smart Grid. <i>IFIP Advances in Information and Communication Technology</i> , <b>2016</b> , 471, 32-46	0.5	3
24	A procedure to detect suspected patterns of fraudulent behavior in vehicle emissions tests performed by an accredited inspection body. <i>Accreditation and Quality Assurance</i> , <b>2016</b> , 21, 323-333	0.7	2

23	Reliable data acquisition for inspection systems. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 575, 012045.	0.3	
22	<b>2015</b> ,		5
21	Web2Compile-CoT: A Web IDE for the Cloud of Things. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 19-30	0.9	1
20	DYSSS: A Dynamic and Context-Aware Security System for Shared Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 756863	1.7	0
19	A control and decision system for smart buildings using wireless sensor and actuator networks. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2014</b> , 25, 120-135	1.9	24
18	Software validation of medical instruments <b>2014</b> ,		3
17	Intrusion Detection System for Wireless Sensor Networks Using Danger Theory Immune-Inspired Techniques. <i>International Journal of Wireless Information Networks</i> , <b>2013</b> , 20, 39-66	1.9	30
16	Energy footprint framework: A pathway toward smart grid sustainability <b>2013</b> , 51, 50-56		1
15	A Control and Decision System for Smart Buildings <b>2013</b> ,		3
14	A Consumption Authenticator Based Mechanism for Time-of-Use Smart Meter Measurements Verification. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 241-244, 218-222	0.3	4
13	PROGRAM MATCHING THROUGH CODE ANALYSIS AND ARTIFICIAL NEURAL NETWORKS. <i>International Journal of Software Engineering and Knowledge Engineering</i> , <b>2012</b> , 22, 225-241	1	3
12	Program Equivalence Using Neural Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 637-650	0.2	1
11	Traceability of Executable Codes Using Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 241-253		2
10	Software evaluation of smart meters within a Legal Metrology perspective: A Brazilian case <b>2010</b> ,		5
9	SUTIL [Network selection based on utility function and integer linear programming. <i>Computer Networks</i> , <b>2010</b> , 54, 2117-2136	5.4	16
8	Evaluating Security Risks following a Compliance Perspective <b>2008</b> ,		1
7	Trust Evaluation for Web Applications based on Behavioral Analysis. <i>International Federation for Information Processing</i> , <b>2007</b> , 61-72		0
6	A Service Approach for Architecting Application Independent Wireless Sensor Networks. <i>Cluster Computing</i> , <b>2005</b> , 8, 211-221	2.1	27

5	Mobile agents applications. <i>Internet Research</i> , <b>2001</b> , 11, 49-54	4.8	2
4	Design of an Integrated Environment for Adaptive Multimedia Document Presentation Through Real Time Monitoring. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 191-204	0.9	0
3	A general-purpose multimedia synchronization mechanism based on causal relations. <i>IEEE Journal on Selected Areas in Communications</i> , <b>1996</b> , 14, 185-195	14.2	15
2	The RT-LOTOS formal specification of the conditional delivery mechanism. <i>Information Systems</i> , <b>1995</b> , 20, 521-535	2.7	3
1	A flexible web service based architecture for wireless sensor networks		32