

# Adilson Cunha

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

353  
citations

1478505

6  
h-index

1199594

12  
g-index

83  
all docs

83  
docs citations

83  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contextual Hybrid Session-Based News Recommendation With Recurrent Neural Networks. IEEE Access, 2019, 7, 169185-169203.	4.2	70
2	Cluster Analysis and Artificial Neural Networks: A Case Study in Credit Card Fraud Detection. , 2015, , .		21
3	On the Design of a Long Range WSN for Precision Irrigation. IEEE Sensors Journal, 2018, 18, 773-780.	4.7	20
4	A new approach to river flow forecasting: LSTM and GRU multivariate models. IEEE Latin America Transactions, 2019, 17, 1978-1986.	1.6	16
5	Applying Scrum in an Interdisciplinary Project Using Big Data, Internet of Things, and Credit Cards. , 2015, , .		10
6	An energy management method of sensor nodes for environmental monitoring in Amazonian Basin. Wireless Networks, 2015, 21, 793-807.	3.0	10
7	Using Model-Based Development as Software Low-Level Requirements to Achieve Airborne Software Certification. , 2012, , .		9
8	Hardware Development: Agile and Co-Design. , 2015, , .		9
9	Integrating Amazonic Heterogeneous Hydrometeorological Databases. , 2009, , .		8
10	COTS tool qualification using RTCA DO-330: Common pitfalls. , 2017, , .		8
11	Software Testing for Web-Applications Non-Functional Requirements. , 2009, , .		7
12	Verification scenarios of onboard databases under the RTCA DO-178C and the RTCA DO-200B. , 2017, , .		7
13	Could a Conversational AI Identify Offensive Language?. Information (Switzerland), 2021, 12, 418.	2.9	7
14	Testing Critical Software: A Case Study for an Aerospace Application. , 2006, , .		6
15	Comparing Source Codes Generated by CASE Tools with Hand Coded. , 2008, , .		6
16	CARD-RM: A Reference Model for Airborne Software. , 2013, , .		6
17	Tailoring Traditional Software Life Cycles to Ensure Compliance of RTCA DO-178C and DO-331 with Model-Driven Design. , 2018, , .		6
18	Push Recovery Strategies through Deep Reinforcement Learning. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Developing a distributed real-time monitoring system to track UAVs. IEEE Aerospace and Electronic Systems Magazine, 2010, 25, 18-25.	1.3	5
20	A Case Study on Pairwise Testing Application. , 2014, , .		5
21	A State-Based Testing Method for Detecting Aspect Composition Faults. Lecture Notes in Computer Science, 2014, , 418-433.	1.3	5
22	Using GQM for Testing Design Patterns in Real-Time and Embedded Systems on a Software Production Line. , 2009, , .		4
23	Using GQM Hypothesis Restriction to Infer Bayesian Network Testing. , 2009, , .		4
24	A Sampling Diagnostics Model for Neural System Training Optimization. , 2013, , .		4
25	Applying Interdisciplinarity and Agile Methods in the Development of a Smart Grids System. , 2013, , .		4
26	Applying Acceptance Test Driven Development to a Problem Based Learning Academic Real-Time System. , 2014, , .		4
27	An interdisciplinary academic project for spatial critical embedded system agile development. , 2015, , .		4
28	Use of the RTCA DO-330 in aeronautical databases. , 2015, , .		4
29	Applying agile methods to aircraft embedded software: an experimental analysis. Software - Practice and Experience, 2017, 47, 1465-1484.	3.6	4
30	Platoon Grouping Network Offloading Mechanism for VANETs. IEEE Access, 2021, 9, 53936-53951.	4.2	4
31	A comparison between automated generated code tools using model based development. , 2011, , .		3
32	A Chi-Square Methodology Applied in Deviations Control of Project Plan to Support the RIMAM Model. , 2014, , .		3
33	GALO: A Semantic Method for Software Configuration Management. , 2014, , .		3
34	An interdisciplinary academic project for spatial critical embedded system agile development. , 2015, , .		3
35	Distributed Systems Performance for Big Data. Advances in Intelligent Systems and Computing, 2016, , 733-744.	0.6	3
36	Health Care Transformation: An Academic Application System Case Study. IFAC-PapersOnLine, 2018, 51, 413-418.	0.9	3

#	ARTICLE	IF	CITATIONS
37	A Set of Requirements for Certification of Airborne Military Software. , 2019, , .		3
38	Lessons Learned from the Agile Transformation of an Aeronautics Computing Center. Communications in Computer and Information Science, 2019, , 85-91.	0.5	3
39	Creating an Effective Infrastructure to Develop GIS. , 2007, , .		2
40	An estimation model to measure computer systems development based on hardware and software. , 2009, , .		2
41	Computer Science and Interdisciplinarity: A Case Study on an Undergraduate Program. , 2013, , .		2
42	A reference method for airborne software requirements. , 2013, , .		2
43	A Comparative Research between SCRUM and RUP Using Real Time Embedded Software Development. , 2013, , .		2
44	Interdisciplinarity and Agile Development: A Case Study on Graduate Courses. , 2014, , .		2
45	Use of RTCA DO-330 in aeronautical databases. , 2015, , .		2
46	Nanosatellite Event Simulator Development Using Scrum Agile Method and Safety-Critical Application Development Environment. , 2015, , .		2
47	Internet of Things and the Credit Card Market: How Companies Can Deal with the Exponential Increase of Transactions with Connected Devices and Can Also be Efficient to Prevent Frauds. , 2015, , .		2
48	Deploying Integrated Environment for Software Testing Tools. , 2015, , .		2
49	IFA2S – In-flight Awareness Augmentation Systems. , 2015, , .		2
50	Applying Scrum in an Interdisciplinary Project for Fraud Detection in Credit Card Transactions. Advances in Intelligent Systems and Computing, 2016, , 461-471.	0.6	2
51	Learning Lessons From the Scrum Adoption in the Brazilian Air Force. IT Professional, 2022, 24, 49-55.	1.5	2
52	Vedalogic: um mÃ©todo de VerificaÃ§Ã£o de Dados ClimatolÃ³gicos Apoiado em Modelos Minerados. Revista Brasileira De Meteorologia, 2009, 24, 448-460.	0.5	1
53	Using Best Practices of Software Engineering into a Real Time System Development. , 2009, , .		1
54	A Desktop Environment for River Hazards Monitoring. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
55	Interdisciplinarity in Computer Science: A Case Study on Graduate Courses. , 2013, , .		1
56	BPM Model of GQIMP for ISO 9001:2008 Supported by CASE Tools. , 2014, , .		1
57	A Case Study Using Testing Technique for Software as a Service (SaaS). , 2015, , .		1
58	Effective AP Association in SDWN Based on Signal Strength and Occupancy Rate. , 2017, , .		1
59	Using Agile Testing in an Academic Health System Case Study. Advances in Intelligent Systems and Computing, 2019, , 605-612.	0.6	1
60	A Hybrid Dictionary Model for Ethical Analysis. Advances in Intelligent Systems and Computing, 2020, , 625-629.	0.6	1
61	Q-Scrum: A Framework for Quality in Safety-Critical Development. Communications in Computer and Information Science, 2020, , 238-245.	0.5	1
62	The impact of an institutional human resources project on the quality of engineering education. , 0, , .		0
63	Final Inspection for Design Pattern Homologation Using a Real Time Embedded Software in a Production Line. , 2009, , .		0
64	Design Patterns Reuse for Real Time Embedded Software Development. , 2009, , .		0
65	Avionics hard real-time systems' concerning fault tolerance. , 2012, , .		0
66	Extending an SCM Ontology for Configuration Status Reporting. , 2012, , .		0
67	A Meta-algorithm for Planning Optimization in a software Production Line. , 2013, , .		0
68	MADEQ: A model for Avionics Device Qualification. , 2013, , .		0
69	Applying Testing to Enhance Software Product Quality. , 2013, , .		0
70	Developing a CDS with Scrum in an interdisciplinary academic project. , 2014, , .		0
71	Adaptive Game AI Architecture with Player Modeling. , 2014, , .		0
72	Applying Interdisciplinarity and Agile Methods in the Development of an Embedded System. , 2014, , .		0

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73	Applying Agile Method on Academic Access and Fraud Control System. , 2014, , .		0
74	Using design patterns for safety assessment of integrated modular avionics. , 2014, , .		0
75	ApproxMap - a method for mapping blank nodes in RDF datasets. Journal of the Brazilian Computer Society, 2015, 21, .	1.3	0
76	Financial Measuring of Incremental Deliveries in Software Projects -- Finding a Model That Can Answer: How Much is Worth to Split a Project into Iterations?. , 2015, , .		0
77	A Software Framework for Identifying the Law of Demeter Violations. , 2015, , .		0
78	An Academic Case Study Using Scrum. Advances in Intelligent Systems and Computing, 2016, , 723-731.	0.6	0
79	Particle Collision Algorithm Applied to Automatic Estimation of Digital Elevation Model From Images Captured by UAV. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1630-1634.	3.1	0
80	Intelligent Object-Oriented Software Systems Development with OMT/UML Methodology for Airportuary Environments. , 2001, , 290-296.		0