

# Eduardo Casilari

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,266  
citations

516215

16  
h-index

395343

33  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1176  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of the influence of the sensor sampling frequency on the performance of wearable fall detectors. Measurement: Journal of the International Measurement Confederation, 2022, 193, 110945.	2.5	6
2	A Cross-dataset Evaluation of Wearable Fall Detection Systems. , 2022, , .		0
3	Features Selection for Fall Detection Systems Based on Machine Learning and Accelerometer Signals. Lecture Notes in Computer Science, 2021, , 380-391.	1.0	0
4	A Feasibility Study of the Use of Smartwatches in Wearable Fall Detection Systems. Sensors, 2021, 21, 2254.	2.1	17
5	A Study of One-Class Classification Algorithms for Wearable Fall Sensors. Biosensors, 2021, 11, 284.	2.3	5
6	A study on the impact of the usersâ€™ characteristics on the performance of wearable fall detection systems. Scientific Reports, 2021, 11, 23011.	1.6	8
7	A cross-dataset deep learning-based classifier for people fall detection and identification. Computer Methods and Programs in Biomedicine, 2020, 184, 105265.	2.6	29
8	On the Heterogeneity of Existing Repositories of Movements Intended for the Evaluation of Fall Detection Systems. Journal of Healthcare Engineering, 2020, 2020, 1-36.	1.1	9
9	A Study on the Application of Convolutional Neural Networks to Fall Detection Evaluated with Multiple Public Datasets. Sensors, 2020, 20, 1466.	2.1	64
10	Consumption Analysis of Smartphone based Fall Detection Systems with Multiple External Wireless Sensors. Sensors, 2020, 20, 622.	2.1	13
11	A Study of the Use of Gyroscope Measurements in Wearable Fall Detection Systems. Symmetry, 2020, 12, 649.	1.1	33
12	A comprehensive study on the use of artificial neural networks in wearable fall detection systems. Expert Systems With Applications, 2019, 138, 112811.	4.4	28
13	A Wearable Fall Detection System Using Deep Learning. Lecture Notes in Computer Science, 2019, , 445-456.	1.0	11
14	Study of the Detection of Falls Using the SVM Algorithm, Different Datasets of Movements and ANOVA. Lecture Notes in Computer Science, 2019, , 415-428.	1.0	4
15	Analysis of a Public Repository for the Study of Automatic Fall Detection Algorithms. , 2018, , .		1
16	Analysis of a Smartphone-Based Architecture with Multiple Mobility Sensors for Fall Detection with Supervised Learning. Sensors, 2018, 18, 1155.	2.1	45
17	UMAFall: A Multisensor Dataset for the Research on Automatic Fall Detection. Procedia Computer Science, 2017, 110, 32-39.	1.2	118
18	Analysis of Public Datasets for Wearable Fall Detection Systems. Sensors, 2017, 17, 1513.	2.1	97

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19	Analysis of a Smartphone-Based Architecture with Multiple Mobility Sensors for Fall Detection. PLoS ONE, 2016, 11, e0168069.	1.1	57
20	Analysis of Android Device-Based Solutions for Fall Detection. Sensors, 2015, 15, 17827-17894.	2.1	64
21	Automatic Fall Detection System Based on the Combined Use of a Smartphone and a Smartwatch. PLoS ONE, 2015, 10, e0140929.	1.1	86
22	A characterization of the performance of Bluetooth 2.x+EDR technology in noisy environments. Wireless Networks, 2015, 21, 1969-1984.	2.0	1
23	Comparison and Characterization of Android-Based Fall Detection Systems. Sensors, 2014, 14, 18543-18574.	2.1	75
24	On the Capability of Smartphones to Perform as Communication Gateways in Medical Wireless Personal Area Networks. Sensors, 2014, 14, 575-594.	2.1	33
25	Cooperative layer-2 based routing approach for hybrid wireless mesh networks. China Communications, 2013, 10, 88-99.	2.0	10
26	Type-2 fuzzy decision support system to optimise MANET integration into infrastructure-based wireless systems. Expert Systems With Applications, 2013, 40, 2552-2567.	4.4	29
27	An empirical study on the performance of bluetooth scatternets. , 2013, , .		2
28	Evaluation of a redirection technique in cooperative caching for MANETs. , 2012, , .		1
29	A cross layer interception and redirection cooperative caching scheme for MANETs. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	9
30	Analytical and empirical evaluation of the impact of Gaussian noise on the modulations employed by Bluetooth Enhanced Data Rates. Eurasip Journal on Wireless Communications and Networking, 2012, .	1.5	13
31	An empirical evaluation of the consumption of 802.15.4/ZigBee sensor motes in noisy environments. , 2011, , .		4
32	Type-2 fuzzy logic control to optimise Internet-connected MANETs. Electronics Letters, 2011, 47, 727.	0.5	1
33	Adaptive gateway discovery for mobile ad hoc networks based on the characterisation of the link lifetime. IET Communications, 2011, 5, 2241-2249.	1.5	15
34	Development and Evaluation of a Python Telecare System Based on a Bluetooth Body Area Network. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	6
35	Analytical characterization of the lowest delay bound in Bluetooth 2.0+EDR transmissions. , 2011, , .		0
36	Characterization of battery consumption in 802.15.4/ZigBee sensor motes. , 2010, , .		5

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37	Modeling of Current Consumption in 802.15.4/ZigBee Sensor Motes. Sensors, 2010, 10, 5443-5468.	2.1	98
38	Minimum transmission delay in Bluetooth 2.0+EDR. Electronics Letters, 2010, 46, 955.	0.5	5
39	Analytical characterisation of the performance of Bluetooth piconets using serial port profile. , 2010, , .		1
40	Modeling of the transmission delay in bluetooth piconets under serial port profile. IEEE Transactions on Consumer Electronics, 2010, 56, 2080-2085.	3.0	10
41	Identification of Stable Links in MANETs. , 2010, , .		0
42	Improved Scheme for Adaptive Gateway Discovery in Hybrid MANET. , 2010, , .		13
43	An Optimized MANET Gateway Discovery Based on Fuzzy Logic. Communications in Computer and Information Science, 2010, , 273-282.	0.4	1
44	An analytical model for estimating the delay in Bluetooth communications with serial port profile. , 2009, , .		4
45	Study on the need for adaptive gateway discovery in MANETs. , 2009, , .		6
46	Proposal and evaluation of an application level caching scheme for ad hoc networks. , 2009, , .		0
47	Overhead and Segmentation Mismatch Effect on Bluetooth WPAN Performance. Wireless Personal Communications, 2009, 50, 161-180.	1.8	1
48	An Adaptive Genetic Fuzzy Control Gateway Discovery to Interconnect Hybrid MANETs. , 2009, , .		7
49	Assessing the impact of Link Layer Feedback mechanisms on MANET routing protocols. , 2009, , .		1
50	Characterization of bluetooth packet delay in noisy environments. IEEE Communications Letters, 2009, 13, 661-663.	2.5	2
51	A Comparative Study of VoIP Standards with Asterisk. , 2009, , .		26
52	Prototyping of a remote monitoring system for a medical Personal Area Network using Python. , 2009, , .		3
53	Application of path duration study in multihop ad hoc networks. Telecommunication Systems, 2008, 38, 3-9.	1.6	10
54	Interconnecting MANET and the internet a mobility approach. , 2008, , .		1

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55	Analysis of Bluetooth transmission delay in personal area networks. , 2008, , .		4
56	Minimum delay bound in Bluetooth transmissions with serial port profile. Electronics Letters, 2008, 44, 1099.	0.5	18
57	A stability approach to improve MANET-internet connection. , 2008, , .		1
58	Connectivity Gateway Discovery in MANETs. Lecture Notes in Computer Science, 2008, , 128-141.	1.0	5
59	An adaptive gateway discovery for mobile ad hoc networks. , 2007, , .		12
60	J2ME and smart phones as platform for a Bluetooth Body Area Network for Patient-telemonitoring. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2791-4.	0.5	11
61	An Analytical Study of the Delay in Bluetooth Networks Using the Personal Area Network Profile. IEEE Communications Letters, 2007, 11, 845-847.	2.5	1
62	Characterizing Document Types to Evaluate Web Cache Replacement Policies. , 2007, , .		9
63	Application of Path Duration Study in MultiHop Ad Hoc Networks. , 2007, , 63-74.		1
64	Anticipated DAD for Global Connectivity in Hybrid MANETs. , 2006, , .		0
65	Integration of Mobile Ad Hoc Networks into the Internet without Dedicated Gateways. , 2006, , .		6
66	Ad hoc routing based on the stability of routes. , 2006, , .		12
67	Active gateway switching in hybrid ad hoc networks. Electronics Letters, 2006, 42, 1252.	0.5	3
68	On the Impact of RLC Layer Configuration Parameters in UMTS Internet Access. , 2006, , .		1
69	Modeling of HTTP traffic. IEEE Communications Letters, 2001, 5, 272-274.	2.5	23
70	QoS routing with adaptive updating of link states. Electronics Letters, 2001, 37, 604.	0.5	8
71	QoS routing with outdated network knowledge. Electronics Letters, 2000, 36, 1332.	0.5	1
72	Strategies for updating link states in QoS routers. Electronics Letters, 2000, 36, 1749.	0.5	6

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73	Bandwidth renegotiation scheme for VBR video services. Electronics Letters, 1999, 35, 1509.	0.5	1
74	Heavy-tailed distribution of scene duration in VBR video. Electronics Letters, 1999, 35, 134.	0.5	8
75	Characterisation and modelling of VBR video traffic. Electronics Letters, 1998, 34, 968.	0.5	5
76	Scene oriented model for VBR video. Electronics Letters, 1998, 34, 166.	0.5	8
77	Modelling aggregate heterogeneous ATM sources using neural networks. Electronics Letters, 1996, 32, 363.	0.5	4
78	A Wireless Monitoring System for Pulse-Oximetry Sensors. , 0, , .		30
79	An Improved Scheme for the Integration of Mobile Ad Hoc Networks into the Internet without Dedicated Gateways. , 0, , .		0
80	Evaluation of a Multi-Queue Web Caching Scheme that Differentiates the Content-Type of Documents. , 0, , .		0