

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	UMAFall: A Multisensor Dataset for the Research on Automatic Fall Detection. <i>Procedia Computer Science</i> , 2017, 110, 32-39.	1.2	118
2	Modeling of Current Consumption in 802.15.4/ZigBee Sensor Motes. <i>Sensors</i> , 2010, 10, 5443-5468.	2.1	98
3	Analysis of Public Datasets for Wearable Fall Detection Systems. <i>Sensors</i> , 2017, 17, 1513.	2.1	97
4	Automatic Fall Detection System Based on the Combined Use of a Smartphone and a Smartwatch. <i>PLoS ONE</i> , 2015, 10, e0140929.	1.1	86
5	Comparison and Characterization of Android-Based Fall Detection Systems. <i>Sensors</i> , 2014, 14, 18543-18574.	2.1	75
6	Analysis of Android Device-Based Solutions for Fall Detection. <i>Sensors</i> , 2015, 15, 17827-17894.	2.1	64
7	A Study on the Application of Convolutional Neural Networks to Fall Detection Evaluated with Multiple Public Datasets. <i>Sensors</i> , 2020, 20, 1466.	2.1	64
8	Analysis of a Smartphone-Based Architecture with Multiple Mobility Sensors for Fall Detection. <i>PLoS ONE</i> , 2016, 11, e0168069.	1.1	57
9	Analysis of a Smartphone-Based Architecture with Multiple Mobility Sensors for Fall Detection with Supervised Learning. <i>Sensors</i> , 2018, 18, 1155.	2.1	45
10	On the Capability of Smartphones to Perform as Communication Gateways in Medical Wireless Personal Area Networks. <i>Sensors</i> , 2014, 14, 575-594.	2.1	33
11	A Study of the Use of Gyroscope Measurements in Wearable Fall Detection Systems. <i>Symmetry</i> , 2020, 12, 649.	1.1	33
12	A Wireless Monitoring System for Pulse-Oximetry Sensors. , 0, , .		30
13	Type-2 fuzzy decision support system to optimise MANET integration into infrastructure-based wireless systems. <i>Expert Systems With Applications</i> , 2013, 40, 2552-2567.	4.4	29
14	A cross-dataset deep learning-based classifier for people fall detection and identification. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 184, 105265.	2.6	29
15	A comprehensive study on the use of artificial neural networks in wearable fall detection systems. <i>Expert Systems With Applications</i> , 2019, 138, 112811.	4.4	28
16	A Comparative Study of VoIP Standards with Asterisk. , 2009, , .		26
17	Modeling of HTTP traffic. <i>IEEE Communications Letters</i> , 2001, 5, 272-274.	2.5	23
18	Minimum delay bound in Bluetooth transmissions with serial port profile. <i>Electronics Letters</i> , 2008, 44, 1099.	0.5	18

#	ARTICLE	IF	CITATIONS
19	A Feasibility Study of the Use of Smartwatches in Wearable Fall Detection Systems. <i>Sensors</i> , 2021, 21, 2254.	2.1	17
20	Adaptive gateway discovery for mobile ad hoc networks based on the characterisation of the link lifetime. <i>IET Communications</i> , 2011, 5, 2241-2249.	1.5	15
21	Improved Scheme for Adaptive Gateway Discovery in Hybrid MANET. , 2010, , .		13
22	Analytical and empirical evaluation of the impact of Gaussian noise on the modulations employed by Bluetooth Enhanced Data Rates. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, , .	1.5	13
23	Consumption Analysis of Smartphone based Fall Detection Systems with Multiple External Wireless Sensors. <i>Sensors</i> , 2020, 20, 622.	2.1	13
24	Ad hoc routing based on the stability of routes. , 2006, , .		12
25	An adaptive gateway discovery for mobile ad hoc networks. , 2007, , .		12
26	J2ME and smart phones as platform for a Bluetooth Body Area Network for Patient-telemonitoring. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2791-4.	0.5	11
27	A Wearable Fall Detection System Using Deep Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 445-456.	1.0	11
28	Application of path duration study in multihop ad hoc networks. <i>Telecommunication Systems</i> , 2008, 38, 3-9.	1.6	10
29	Modeling of the transmission delay in bluetooth piconets under serial port profile. <i>IEEE Transactions on Consumer Electronics</i> , 2010, 56, 2080-2085.	3.0	10
30	Cooperative layer-2 based routing approach for hybrid wireless mesh networks. <i>China Communications</i> , 2013, 10, 88-99.	2.0	10
31	Characterizing Document Types to Evaluate Web Cache Replacement Policies. , 2007, , .		9
32	A cross layer interception and redirection cooperative caching scheme for MANETs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, , .	1.5	9
33	On the Heterogeneity of Existing Repositories of Movements Intended for the Evaluation of Fall Detection Systems. <i>Journal of Healthcare Engineering</i> , 2020, 2020, 1-36.	1.1	9
34	Heavy-tailed distribution of scene duration in VBR video. <i>Electronics Letters</i> , 1999, 35, 134.	0.5	8
35	Scene oriented model for VBR video. <i>Electronics Letters</i> , 1998, 34, 166.	0.5	8
36	QoS routing with adaptive updating of link states. <i>Electronics Letters</i> , 2001, 37, 604.	0.5	8

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37	A study on the impact of the users' characteristics on the performance of wearable fall detection systems. Scientific Reports, 2021, 11, 23011.	1.6	8
38	An Adaptive Genetic Fuzzy Control Gateway Discovery to Interconnect Hybrid MANETs. , 2009, , .		7
39	Strategies for updating link states in QoS routers. Electronics Letters, 2000, 36, 1749.	0.5	6
40	Integration of Mobile Ad Hoc Networks into the Internet without Dedicated Gateways. , 2006, , .		6
41	Study on the need for adaptive gateway discovery in MANETs. , 2009, , .		6
42	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
43	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
44	Characterisation and modelling of VBR video traffic. Electronics Letters, 1998, 34, 968.	0.5	5
45	Characterization of battery consumption in 802.15.4/ZigBee sensor motes. , 2010, , .		5
46	Minimum transmission delay in Bluetooth 2.0+EDR. Electronics Letters, 2010, 46, 955.	0.5	5
47	A Study of One-Class Classification Algorithms for Wearable Fall Sensors. Biosensors, 2021, 11, 284.	2.3	5
48	Connectivity Gateway Discovery in MANETs. Lecture Notes in Computer Science, 2008, , 128-141.	1.0	5
49	Modelling aggregate heterogeneous ATM sources using neural networks. Electronics Letters, 1996, 32, 363.	0.5	4
50	Analysis of Bluetooth transmission delay in personal area networks. , 2008, , .		4
51	An analytical model for estimating the delay in Bluetooth communications with serial port profile. , 2009, , .		4
52	An empirical evaluation of the consumption of 802.15.4/ZigBee sensor motes in noisy environments. , 2011, , .		4
53	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
54	Active gateway switching in hybrid ad hoc networks. Electronics Letters, 2006, 42, 1252.	0.5	3

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55	Prototyping of a remote monitoring system for a medical Personal Area Network using Python. , 2009, , .		3
56	Characterization of bluetooth packet delay in noisy environments. IEEE Communications Letters, 2009, 13, 661-663.	2.5	2
57	An empirical study on the performance of bluetooth scatternets. , 2013, , .		2
58	Bandwidth renegotiation scheme for VBR video services. Electronics Letters, 1999, 35, 1509.	0.5	1
59	QoS routing with outdated network knowledge. Electronics Letters, 2000, 36, 1332.	0.5	1
60	On the Impact of RLC Layer Configuration Parameters in UMTS Internet Access. , 2006, , .		1
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	Interconnecting MANET and the internet a mobility approach. , 2008, , .		1
63	A stability approach to improve MANET-internet connection. , 2008, , .		1
64	Overhead and Segmentation Mismatch Effect on Bluetooth WPAN Performance. Wireless Personal Communications, 2009, 50, 161-180.	1.8	1
65	Assessing the impact of Link Layer Feedback mechanisms on MANET routing protocols. , 2009, , .		1
66	Analytical characterisation of the performance of Bluetooth piconets using serial port profile. , 2010, , .		1
67	Type-2 fuzzy logic control to optimise Internet-connected MANETs. Electronics Letters, 2011, 47, 727.	0.5	1
68	Evaluation of a redirection technique in cooperative caching for MANETs. , 2012, , .		1
69	A characterization of the performance of Bluetooth 2.x+LEDR technology in noisy environments. Wireless Networks, 2015, 21, 1969-1984.	2.0	1
70	Analysis of a Public Repository for the Study of Automatic Fall Detection Algorithms. , 2018, , .		1
71	An Optimized MANET Gateway Discovery Based on Fuzzy Logic. Communications in Computer and Information Science, 2010, , 273-282.	0.4	1
72	Application of Path Duration Study in MultiHop Ad Hoc Networks. , 2007, , 63-74.		1

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73	An Improved Scheme for the Integration of Mobile Ad Hoc Networks into the Internet without Dedicated Gateways. , 0, , .		0
74	Anticipated DAD for Global Connectivity in Hybrid MANETs. , 2006, , .		0
75	Evaluation of a Multi-Queue Web Caching Scheme that Differentiates the Content-Type of Documents. , 0, , .		0
76	Proposal and evaluation of an application level caching scheme for ad hoc networks. , 2009, , .		0
77	Identification of Stable Links in MANETs. , 2010, , .		0
78	Analytical characterization of the lowest delay bound in Bluetooth 2.0+EDR transmissions. , 2011, , .		0
79	Features Selection for Fall Detection Systems Based on Machine Learning and Accelerometer Signals. Lecture Notes in Computer Science, 2021, , 380-391.	1.0	0
80	A Cross-dataset Evaluation of Wearable Fall Detection Systems. , 2022, , .		0