

# Alessio Vecchio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/906691/publications.pdf>

Version: 2024-02-01

47  
papers

939  
citations

933447

10  
h-index

580821

25  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1032  
citing authors

#	ARTICLE	IF	CITATIONS
1	A smartphone-based fall detection system. <i>Pervasive and Mobile Computing</i> , 2012, 8, 883-899.	3.3	292
2	Smartphone-based crowdsourcing for network monitoring: Opportunities, challenges, and a case study. , 2014, 52, 106-113.		73
3	An On-Node Processing Approach for Anomaly Detection in Gait. <i>IEEE Sensors Journal</i> , 2015, 15, 6640-6649.	4.7	57
4	Impact of the COVID-19 pandemic on the Internet latency: A large-scale study. <i>Computer Networks</i> , 2020, 182, 107495.	5.1	54
5	Gait-based authentication using a wrist-worn device. , 2016, , .		49
6	TRStalker: an efficient heuristic for finding fuzzy tandem repeats. <i>Bioinformatics</i> , 2010, 26, i358-i366.	4.1	42
7	Recognition of false alarms in fall detection systems. , 2011, , .		34
8	Improving the performance of fall detection systems through walk recognition. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2014, 5, 843-855.	4.9	26
9	Ab initio detection of fuzzy amino acid tandem repeats in protein sequences. <i>BMC Bioinformatics</i> , 2012, 13, S8.	2.6	24
10	Increasing the efficiency of preamble sampling protocols for wireless sensor networks. , 2006, , .		20
11	Geolocation of Internet hosts: Accuracy limits through Cram�r Rao lower bound. <i>Computer Networks</i> , 2018, 135, 70-80.	5.1	20
12	Non-intrusive Patient Monitoring of Alzheimer's Disease Subjects Using Wireless Sensor Networks. , 2009, , .		19
13	An Integer Linear Programming Approach for Radio-Based Localization of Shipping Containers in the Presence of Incomplete Proximity Information. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 1404-1419.	8.0	19
14	An unsupervised approach for gait-based authentication. , 2015, , .		18
15	Posture Recognition Using the Interdistances Between Wearable Devices. , 2017, 1, 1-4.		17
16	A Cross-Layer Approach for Publish/Subscribe in Mobile Ad Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2005, , 203-214.	1.3	16
17	Opportunistic computing for wireless sensor networks. , 2007, , .		15
18	Smartphone-based geolocation of Internet hosts. <i>Computer Networks</i> , 2017, 116, 22-32.	5.1	15

#	ARTICLE	IF	CITATIONS
19	Sensing the Internet through crowdsourcing. , 2013, , .		13
20	Application-level network emulation: the EmuSocket toolkit. Journal of Network and Computer Applications, 2006, 29, 343-360.	9.1	10
21	Estimation of Energy Consumption for TinyOS 2.x-Based Applications. Procedia Computer Science, 2012, 10, 1166-1171.	2.0	10
22	Tandem repeats discovery service (TReaDS) applied to finding novel cis-acting factors in repeat expansion diseases. BMC Bioinformatics, 2012, 13, S3.	2.6	10
23	Using RIPE Atlas for Geolocating IP Infrastructure. IEEE Access, 2019, 7, 48816-48829.	4.2	10
24	Real-Time Identification Using Gait Pattern Analysis on a Standalone Wearable Accelerometer. Computer Journal, 2017, , .	2.4	9
25	Personalized gait detection using a wrist-worn accelerometer. , 2017, , .		9
26	Smartphone-based crowdsourcing for estimating the bottleneck capacity in wireless networks. Journal of Network and Computer Applications, 2016, 64, 62-75.	9.1	7
27	Fall detection using ultra-wideband positioning. , 2016, , .		6
28	Continuous authentication through gait analysis on a wrist-worn device. Pervasive and Mobile Computing, 2021, 78, 101483.	3.3	6
29	Fall Detection Using a Head-Worn Barometer. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 217-224.	0.3	5
30	Method based on UWB for user identification during gait periods. Healthcare Technology Letters, 2019, 6, 121-125.	3.3	5
31	Adaptability in the B-MAC+ Protocol. , 2008, , .		4
32	Adaptability in wireless sensor networks. , 2008, , .		3
33	Wearable systems for e-health and wellbeing. Personal and Ubiquitous Computing, 2018, 22, 225-225.	2.8	3
34	Measurement-driven design and runtime optimization in edge computing: Methodology and tools. Computer Networks, 2021, 194, 108140.	5.1	3
35	A modular suite to support human-smartphone interaction for people with motor skill impairments. , 2015, , .		2
36	NeutMon: Studying neutrality in European mobile networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	TCP-based traceroute: An evaluation of different probing methods. Internet Technology Letters, 2020, 3, e134.	1.9	2
38	A worldwide study on the geographic locality of Internet routes. Computer Networks, 2021, 201, 108555.	5.1	2
39	User's Authentication Using Information Collected by Smart-Shoes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 266-277.	0.3	2
40	Special issue on sensing and mobility in pervasive computing. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 263-264.	4.9	1
41	Dissecting the Speed-of-Internet of Middle East. , 2019, , .		1
42	Labeling of Activity Recognition Datasets: Detection of Misbehaving Users. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 320-331.	0.3	1
43	Using an Indoor Localization System for Activity Recognition. EAI/Springer Innovations in Communication and Computing, 2020, , 233-243.	1.1	1
44	Gait-based Authentication: Evaluation of Energy Consumption on Commercial Devices. , 2022, , .		1
45	MobileRMI: upgrading Java Remote Method Invocation towards mobility. Software - Practice and Experience, 2005, 35, 939-975.	3.6	0
46	Net neutrality in mobile broadband: A European study based on a large scale testbed. Internet Technology Letters, 2019, 2, e128.	1.9	0
47	MECPerf: An Application-Level Tool for Estimating the Network Performance in Edge Computing Environments. , 2020, , .		0