

Maria Valero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1875391/publications.pdf>

Version: 2024-02-01

25
papers

577
citations

1040056

9
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Communication-Efficient Semihierarchical Federated Analytics in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 12614-12627.	8.7	2
2	Reprint of: Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2022, 125, 103572.		2
3	Development of a Noninvasive Blood Glucose Monitoring System Prototype: Pilot Study. JMIR Formative Research, 2022, 6, e38664.	1.4	5
4	Smart Sleep Monitoring System via Passively Sensing Human Vibration Signals. IEEE Sensors Journal, 2021, 21, 14466-14473.	4.7	15
5	Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. Journal of Biomedical Informatics, 2021, 117, 103751.	4.3	47
6	Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2021, 114, 103037.		16
7	Health and sleep nursing assistant for real-time, contactless, and non-invasive monitoring. Pervasive and Mobile Computing, 2021, 75, 101422.	3.3	11
8	ASIS: Autonomous Seismic Imaging System With <i>In Situ</i> Data Analytics and Renewable Energy. IEEE Systems Journal, 2020, 14, 1277-1284.	4.6	11
9	Smart Seismic Sensing for Indoor Fall Detection, Location, and Notification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 524-532.	6.3	77
10	Smart Home Monitoring System via Footstep-Induced Vibrations. IEEE Systems Journal, 2020, 14, 3383-3389.	4.6	39
11	Internet of Things for Current COVID-19 and Future Pandemics: an Exploratory Study. Journal of Healthcare Informatics Research, 2020, 4, 325-364.	7.6	186
12	Helena: Real-time Contact-free Monitoring of Sleep Activities and Events around the Bed. , 2020, , .		11
13	Distributed Sensor Networks Based Shallow Subsurface Imaging and Infrastructure Monitoring. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 241-250.	2.8	10
14	Indoor Person Identification and Fall Detection through Non-intrusive Floor Seismic Sensing. , 2019, , .		19
15	Tracking Underground Moving Targets with Wireless Seismic Networks. , 2019, , .		2
16	Demo: Contactless Device for Monitoring On-Bed Activities and Vital Signs. , 2019, , .		3
17	Toward Creating a Subsurface Camera. Sensors, 2019, 19, 301.	3.8	20
18	Distributed and Communication-Efficient Spatial Auto-Correlation Subsurface Imaging in Sensor Networks. Sensors, 2019, 19, 2427.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Smart seismic network for shallow subsurface imaging and infrastructure security. International Journal of Sensor Networks, 2019, 31, 10.	0.4	9
20	High-Frequency Time-Lapse Seismic Spatial Autocorrelation Imaging Shallow Velocity Variations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5385-5390.	4.9	1
21	Real-Time Cooperative Analytics for Ambient Noise Tomography in Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 375-389.	2.8	18
22	Imaging Subsurface Civil Infrastructure with Smart Seismic Network. , 2018, , .		5
23	Real-Time Ambient Noise Subsurface Imaging in Distributed Sensor Networks. , 2017, , .		15
24	Fog computing middleware for distributed cooperative data analytics. , 2017, , .		14
25	Pushing Analytics to the Edge. , 2016, , .		32