Maria Valero

List of Publications by Year
in descending order

25 papers	577 citations	9 h-index	15 g-index
26 all docs	26 docs citations	26 times ranked	576 citing authors

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#	Article	IF	Citations
1	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
2	Smart Seismic Sensing for Indoor Fall Detection, Location, and Notification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 524-532.	6.3	77
3	Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. Journal of Biomedical Informatics, 2021, 117, 103751.	4.3	47
4	Smart Home Monitoring System via Footstep-Induced Vibrations. IEEE Systems Journal, 2020, 14, 3383-3389.	4.6	39
5	Pushing Analytics to the Edge. , 2016, , .		32
6	Toward Creating a Subsurface Camera. Sensors, 2019, 19, 301.	3.8	20
7	Indoor Person Identification and Fall Detection through Non-intrusive Floor Seismic Sensing. , 2019, , .		19
8	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
9	Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2021, 114, 103037.		16
10	Real-Time Ambient Noise Subsurface Imaging in Distributed Sensor Networks. , 2017, , .		15
11	Smart Sleep Monitoring System via Passively Sensing Human Vibration Signals. IEEE Sensors Journal, 2021, 21, 14466-14473.	4.7	15
12	Fog computing middleware for distributed cooperative data analytics. , 2017, , .		14
13	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
14	Helena: Real-time Contact-free Monitoring of Sleep Activities and Events around the Bed. , 2020, , .		11
15	Health and sleep nursing assistant for real-time, contactless, and non-invasive monitoring. Pervasive and Mobile Computing, 2021, 75, 101422.	3.3	11
16	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
17	Smart seismic network for shallow subsurface imaging and infrastructure security. International Journal of Sensor Networks, 2019, 31, 10.	0.4	9
18	Distributed and Communication-Efficient Spatial Auto-Correlation Subsurface Imaging in Sensor Networks. Sensors, 2019, 19, 2427.	3.8	7

#	Article	IF	Citations
19	Imaging Subsurface Civil Infrastructure with Smart Seismic Network. , 2018, , .		5
20	Development of a Noninvasive Blood Glucose Monitoring System Prototype: Pilot Study. JMIR Formative Research, 2022, 6, e38664.	1.4	5
21	Demo: Contactless Device for Monitoring On-Bed Activities and Vital Signs. , 2019, , .		3
22	Tracking Underground Moving Targets with Wireless Seismic Networks. , 2019, , .		2
23	Communication-Efficient Semihierarchical Federated Analytics in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 12614-12627.	8.7	2
24	Reprint of: Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2022, 125, 103572.		2
25	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