

David Naranjo-Hernández

List of Publications by Year in descending order

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31
papers

822
citations

623734

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526287

27
g-index

38
all docs

38
docs citations

38
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Study Into Intrabody Communication Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2446-2455.	4.7	108
2	Distributed Circuit Modeling of Galvanic and Capacitive Coupling for Intrabody Communication. IEEE Transactions on Biomedical Engineering, 2012, 59, 3263-3269.	4.2	92
3	Fundamentals, Recent Advances, and Future Challenges in Bioimpedance Devices for Healthcare Applications. Journal of Sensors, 2019, 2019, 1-42.	1.1	91
4	SoM: A Smart Sensor for Human Activity Monitoring and Assisted Healthy Ageing. IEEE Transactions on Biomedical Engineering, 2012, 59, 3177-3184.	4.2	72
5	Galvanic Coupling Transmission in Intrabody Communication: A Finite Element Approach. IEEE Transactions on Biomedical Engineering, 2014, 61, 775-783.	4.2	61
6	Smart Vest for Respiratory Rate Monitoring of COPD Patients Based on Non-Contact Capacitive Sensing. Sensors, 2018, 18, 2144.	3.8	60
7	Measurement Issues in Galvanic Intrabody Communication: Influence of Experimental Setup. IEEE Transactions on Biomedical Engineering, 2015, 62, 2724-2732.	4.2	51
8	Design and Implementation of a Distributed Fall Detection System—Personal Server. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 874-881.	3.2	46
9	Past Results, Present Trends, and Future Challenges in Intrabody Communication. Wireless Communications and Mobile Computing, 2018, 2018, 1-39.	1.2	41
10	Study of Attenuation and Dispersion Through the Skin in Intrabody Communications Systems. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 159-165.	3.2	35
11	Sensor Technologies to Manage the Physiological Traits of Chronic Pain: A Review. Sensors, 2020, 20, 365.	3.8	34
12	Personalization and Adaptation to the Medium and Context in a Fall Detection System. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 264-271.	3.2	26
13	Design and Implementation of a Smart Sensor for Respiratory Rate Monitoring. Sensors, 2014, 14, 3019-3032.	3.8	25
14	Smart Bioimpedance Spectroscopy Device for Body Composition Estimation. Sensors, 2020, 20, 70.	3.8	20
15	A proposal of a fall detection algorithm for a Multidevice Personal Intelligent Platform. , 2008, , .		7
16	A Distributed Approach to Alarm Management in Chronic Kidney Disease. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1796-1803.	6.3	7
17	Smart Device for the Determination of Heart Rate Variability in Real Time. Journal of Sensors, 2017, 2017, 1-11.	1.1	7
18	A Sensor-Based mHealth Platform for Remote Monitoring and Intervention of Frailty Patients at Home. International Journal of Environmental Research and Public Health, 2021, 18, 11730.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Design and implementation of a standardised framework for the management of a wireless body network in an Mobile Health environment. Healthcare Technology Letters, 2017, 4, 1-5.	3.3	5
20	Bioimpedance Sensors: Instrumentation, Models, and Applications. Journal of Sensors, 2019, 2019, 1-2.	1.1	4
21	Special Issue "Body Sensors Networks for E-Health Applications". Sensors, 2020, 20, 3944.	3.8	4
22	Lessons Learned about the Design and Active Characterization of On-Body Antennas in the 2.4 GHz Frequency Band. Sensors, 2020, 20, 224.	3.8	4
23	Low-Power Platform and Communications for the Development of Wireless Body Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 431798.	2.2	4
24	Distributed processing methodology for biomedical sensor networks: An optimal approach. , 2009, , .		2
25	A Distributed-Parameter Approach to Model Galvanic and Capacitive Coupling for Intra-body Communications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 1-8.	0.3	2
26	Optimization procedure for the impact detection thresholds in an Accelerometer Smart Sensor. , 2009, , .		1
27	State of the Art and Future Prospects of Nanotechnologies in the Field of Brain-Computer Interfaces. IFMBE Proceedings, 2016, , 462-466.	0.3	0
28	Remote Programming of Biomedical Smart Sensors. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 199-206.	0.3	0
29	A Personalized Model for Galvanic Coupling in Intrabody Communication Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 130-137.	0.3	0
30	Smart Vest for Respiratory and Physical Activity Monitoring in COPD Patients. IFMBE Proceedings, 2020, , 447-454.	0.3	0
31	A System to Assist in the Training of Medical Students in Respiratory Diseases. IFMBE Proceedings, 2020, , 541-550.	0.3	0