# David Naranjo-Hernández

## List of Publications by Year
in descending order

| 31 papers | 822 citations | 623734<br>14 h-index | 526287<br>27 g-index |
|---|---|---|---|
| 38 all docs | 38 docs citations | 38 times ranked | 795 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | Smart Bioimpedance Spectroscopy Device for Body Composition Estimation. Sensors, 2020, 20, 70. | 3.8 | 20 |
| 3 | Special Issue â€œBody Sensors Networks for E-Health Applicationsâ€• Sensors, 2020, 20, 3944. | 3.8 | 4 |
| 4 | 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 |
| 5 | Sensor Technologies to Manage the Physiological Traits of Chronic Pain: A Review. Sensors, 2020, 20, 365. | 3.8 | 34 |
| 6 | Smart Vest for Respiratory and Physical Activity Monitoring in COPD Patients. IFMBE Proceedings, 2020, , 447-454. | 0.3 | 0 |
| 7 | A System to Assist in the Training of Medical Students in Respiratory Diseases. IFMBE Proceedings, 2020, , 541-550. | 0.3 | 0 |
| 8 | Fundamentals, Recent Advances, and Future Challenges in Bioimpedance Devices for Healthcare Applications. Journal of Sensors, 2019, 2019, 1-42. | 1.1 | 91 |
| 9 | Bioimpedance Sensors: Instrumentation, Models, and Applications. Journal of Sensors, 2019, 2019, 1-2. | 1.1 | 4 |
| 10 | Past Results, Present Trends, and Future Challenges in Intrabody Communication. Wireless Communications and Mobile Computing, 2018, 2018, 1-39. | 1.2 | 41 |
| 11 | Smart Vest for Respiratory Rate Monitoring of COPD Patients Based on Non-Contact Capacitive Sensing. Sensors, 2018, 18, 2144. | 3.8 | 60 |
| 12 | 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 |
| 13 | Smart Device for the Determination of Heart Rate Variability in Real Time. Journal of Sensors, 2017, 2017, 1-11. | 1.1 | 7 |
| 14 | State of the Art and Future Prospects of Nanotechnologies in the Field of Brain-Computer Interfaces. IFMBE Proceedings, 2016, , 462-466. | 0.3 | 0 |
| 15 | Measurement Issues in Galvanic Intrabody Communication: Influence of Experimental Setup. IEEE Transactions on Biomedical Engineering, 2015, 62, 2724-2732. | 4.2 | 51 |
| 16 | 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 |
| 17 | Design and Implementation of a Smart Sensor for Respiratory Rate Monitoring. Sensors, 2014, 14, 3019-3032. | 3.8 | 25 |
| 18 | A Distributed Approach to Alarm Management in Chronic Kidney Disease. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1796-1803. | 6.3 | 7 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Galvanic Coupling Transmission in Intrabody Communication: A Finite Element Approach. IEEE Transactions on Biomedical Engineering, 2014, 61, 775-783. | 4.2 | 61 |
| 20 | A Comprehensive Study Into Intrabody Communication Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2446-2455. | 4.7 | 108 |
| 21 | 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 |
| 22 | 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 |
| 23 | Distributed Circuit Modeling of Galvanic and Capacitive Coupling for Intrabody Communication. IEEE Transactions on Biomedical Engineering, 2012, 59, 3263-3269. | 4.2 | 92 |
| 24 | SoM: A Smart Sensor for Human Activity Monitoring and Assisted Healthy Ageing. IEEE Transactions on Biomedical Engineering, 2012, 59, 3177-3184. | 4.2 | 72 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Design and Implementation of a Distributed Fall Detection Systemâ€"Personal Server. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 874-881. | 3.2 | 46 |
| 29 | Distributed processing methodology for biomedical sensor networks: An optimal approach. , 2009, , . | | 2 |
| 30 | Optimization procedure for the impact detection thresholds in an Accelerometer Smart Sensor. , 2009, , . | | 1 |
| 31 | A proposal of a fall detection algorithm for a Multidevice Personal Intelligent Platform. , 2008, , . | | 7 |