Bersain A Reyes

List of Publications by Year
in descending order

28 papers	765 citations	759190 12 h-index	752679 20 g-index
28 all docs	28 docs citations	28 times ranked	1105 citing authors

#	Article	IF	Citations
1	Contactless Monitoring of Heart Rate Variability During Respiratory Maneuvers. IEEE Sensors Journal, 2022, 22, 14563-14573.	4.7	8
2	Non-Contact HR Monitoring via Smartphone and Webcam During Different Respiratory Maneuvers and Body Movements. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 602-612.	6.3	10
3	IoMT: Rinku's Clinical Kit Applied to Collect Information Related to COVID-19 Through Medical Sensors. IEEE Latin America Transactions, 2021, 19, 1002-1009.	1.6	5
4	Contactless Heart Rate Variability (HRV) Estimation Using a Smartphone During Respiratory Maneuvers and Body Movement. , 2021, 2021, 84-87.		4
5	Simultaneous Estimation of Instantaneous Heart and Respiratory Rates using Image Photoplethysmography on a Single Smartphone. , 2021, 2021, 311-314.		2
6	Development of a virtual reality application for interactive visualization of respiratory sounds signals. Health and Technology, 2020, 10, 417-421.	3.6	1
7	Novel Video-Laryngoscope with Wireless Image Transmission via Wi-Fi towards a Smartphone. Electronics (Switzerland), 2020, 9, 1629.	3.1	3
8	Characterization of Forearm Electromyographic Signals for Automatic Classification of Wrist Movements. IFMBE Proceedings, 2020, , 71-78.	0.3	0
9	Reusable, Cased and Mechanically Held Graphite-Based Dry ECG Electrodes. IFMBE Proceedings, 2020, , 1085-1092.	0.3	1
10	Estimation of Heart Rate and Respiratory Rate via Blind Estimation from Smartphone-Based Contact Image Photoplethysmography. IFMBE Proceedings, 2020, , 63-70.	0.3	0
11	Detection of Respiratory Crackle Sounds via an Android Smartphone-based System. , 2018, 2018, 1620-1623.		7
12	A Smartphone-Based System for Automated Bedside Detection of Crackle Sounds in Diffuse Interstitial Pneumonia Patients. Sensors, 2018, 18, 3813.	3.8	20
13	Tidal Volume and Instantaneous Respiration Rate Estimation using a Volumetric Surrogate Signal Acquired via a Smartphone Camera. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 764-777.	6.3	73
14	Employing an Incentive Spirometer to Calibrate Tidal Volumes Estimated from a Smartphone Camera. Sensors, 2016, 16, 397.	3.8	6
15	Monitoring of Heart and Breathing Rates Using Dual Cameras on a Smartphone. PLoS ONE, 2016, 11, e0151013.	2.5	79
16	Novel Conductive Carbon Black and Polydimethlysiloxane ECG Electrode: A Comparison with Commercial Electrodes in Fresh, Chlorinated, and Salt Water. Annals of Biomedical Engineering, 2016, 44, 2464-2479.	2.5	34
17	Towards the Development of a Mobile Phonopneumogram: Automatic Breath-Phase Classification Using Smartphones. Annals of Biomedical Engineering, 2016, 44, 2746-2759.	2.5	19
18	Estimation of Respiratory Rates Using the Built-in Microphone of a Smartphone or Headset. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1493-1501.	6.3	82

#	Article	IF	Citations
19	Low Impedance Carbon Adhesive Electrodes with Long Shelf Life. Annals of Biomedical Engineering, 2015, 43, 2374-2382.	2.5	16
20	Tidal Volume Estimation Using the Blanket Fractal Dimension of the Tracheal Sounds Acquired by Smartphone. Sensors, 2015, 15, 9773-9790.	3.8	20
21	Performance evaluation of carbon black based electrodes for underwater ECG monitoring. , 2014, 2014, 1691-4.		3
22	Tracheal Sounds Acquisition Using Smartphones. Sensors, 2014, 14, 13830-13850.	3.8	40
23	Corrections to â€œAtrial Fibrillation Detection Using an iPhone 4Sâ€•[Jan 13 203-206]. IEEE Transactions on Biomedical Engineering, 2014, 61, 1914-1914.	4.2	2
24	Developing pressure sensitive adhesive electrodes: Preliminary results. , 2014, 2014, 2742-4.		0
25	Assessment of timeâ€"frequency representation techniques for thoracic sounds analysis. Computer Methods and Programs in Biomedicine, 2014, 114, 276-290.	4.7	20
26	Novel Electrodes for Underwater ECG Monitoring. IEEE Transactions on Biomedical Engineering, 2014, 61, 1863-1876.	4.2	89
27	Atrial Fibrillation Detection Using an iPhone 4S. IEEE Transactions on Biomedical Engineering, 2013, 60, 203-206.	4.2	205
28	Atrial fibrillation detection using a smart phone. , 2012, 2012, 1177-80.		16