

Alberto G Bonomi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

775
citations

13
h-index

27
g-index

30
ext. papers

1,021
ext. citations

5.5
avg, IF

3.97
L-index

#	Paper	IF	Citations
28	Systems, sensors, and devices in personal healthcare applications 2022 , 51-83		0
27	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021 , 2, 100203	18	21
26	Validation of Heart Rate Extracted From Wrist-Based Photoplethysmography in the Perioperative Setting: Prospective Observational Study. <i>JMIR Cardio</i> , 2021 , 5, e27765	3.1	0
25	Daily energy expenditure through the human life course. <i>Science</i> , 2021 , 373, 808-812	33.3	43
24	Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1583-1589	7	3
23	Atrial fibrillation monitoring with wrist-worn photoplethysmography-based wearables: State-of-the-art review.. <i>Cardiovascular Digital Health Journal</i> , 2020 , 1, 45-51	2	5
22	Atrial Fibrillation Episodes Detected Using Photoplethysmography: Do We Know Which Are True?. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1365	15.1	1
21	Cardiorespiratory fitness estimation from heart rate and body movement in daily life. <i>Journal of Applied Physiology</i> , 2020 , 128, 493-500	3.7	2
20	Personalized support for well-being at work: an overview of the SWELL project. <i>User Modeling and User-Adapted Interaction</i> , 2019 , 30, 413	3.9	2
19	Quarter-mile walk test sensitive to training-induced fitness changes. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019 , 59, 1820-1827	1.4	1
18	Atrial Fibrillation Detection Using a Novel Cardiac Ambulatory Monitor Based on Photo-Plethysmography at the Wrist. <i>Journal of the American Heart Association</i> , 2018 , 7, e009351	6	42
17	Proof of concept of a 45-second cardiorespiratory fitness self-test for coronary artery disease patients based on accelerometry. <i>PLoS ONE</i> , 2017 , 12, e0183740	3.7	2
16	Energy expenditure estimation in beta-blocker-medicated cardiac patients by combining heart rate and body movement data. <i>European Journal of Preventive Cardiology</i> , 2016 , 23, 1734-1742	3.9	14
15	Diurnal Patterns of Physical Activity in Relation to Activity Induced Energy Expenditure in 52 to 83 Years-Old Adults. <i>PLoS ONE</i> , 2016 , 11, e0167824	3.7	4
14	Early Indication of Decompensated Heart Failure in Patients on Home-Telemonitoring: A Comparison of Prediction Algorithms Based on Daily Weight and Noninvasive Transthoracic Bio-impedance. <i>JMIR Medical Informatics</i> , 2016 , 4, e3	3.6	21
13	Walking as a Contributor to Physical Activity in Healthy Older Adults: 2 Week Longitudinal Study Using Accelerometry and the Doubly Labeled Water Method. <i>JMIR MHealth and UHealth</i> , 2016 , 4, e56	5.5	18
12	Cardiorespiratory Improvements Achieved by American College of Sports Medicine's Exercise Prescription Implemented on a Mobile App. <i>JMIR MHealth and UHealth</i> , 2016 , 4, e77	5.5	13

11	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. <i>Methods of Information in Medicine</i> , 2016 , 55, 525-532	1.5	29
10	A 45-Second Self-Test for Cardiorespiratory Fitness: Heart Rate-Based Estimation in Healthy Individuals. <i>PLoS ONE</i> , 2016 , 11, e0168154	3.7	12
9	A method to adapt thoracic impedance based on chest geometry and composition to assess congestion in heart failure patients. <i>Medical Engineering and Physics</i> , 2016 , 38, 538-538	2.4	6
8	Body Acceleration as Indicator for Walking Economy in an Ageing Population. <i>PLoS ONE</i> , 2015 , 10, e0141431	3.7	5
7	Estimation of maximal oxygen uptake via submaximal exercise testing in sports, clinical, and home settings. <i>Sports Medicine</i> , 2013 , 43, 865-73	10.6	74
6	Weight-loss induced changes in physical activity and activity energy expenditure in overweight and obese subjects before and after energy restriction. <i>PLoS ONE</i> , 2013 , 8, e59641	3.7	27
5	Relatively high-protein or low-carb energy-restricted diets for body weight loss and body weight maintenance?. <i>Physiology and Behavior</i> , 2012 , 107, 374-80	3.5	62
4	Identifying types of physical activity with a single accelerometer: evaluating laboratory-trained algorithms in daily life. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 2656-63	5	123
3	Estimation of free-living energy expenditure using a novel activity monitor designed to minimize obtrusiveness. <i>Obesity</i> , 2010 , 18, 1845-51	8	78
2	Assessment of human ambulatory speed by measuring near-body air flow. <i>Sensors</i> , 2010 , 10, 8705-18	3.8	4
1	Detection of type, duration, and intensity of physical activity using an accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1770-7	1.2	156