Alberto G Bonomi

List of Publications by Year
in descending order

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29 papers	1,258 citations	567247 15 h-index	501174 28 g-index
30 all docs	30 docs citations	30 times ranked	2097 citing authors

#	Article	IF	Citations
1	Daily energy expenditure through the human life course. Science, 2021, 373, 808-812.	12.6	234
2	Detection of Type, Duration, and Intensity of Physical Activity Using an Accelerometer. Medicine and Science in Sports and Exercise, 2009, 41, 1770-1777.	0.4	190
3	Identifying Types of Physical Activity With a Single Accelerometer: Evaluating Laboratory-trained Algorithms in Daily Life. IEEE Transactions on Biomedical Engineering, 2011, 58, 2656-2663.	4.2	149
4	Estimation of Maximal Oxygen Uptake via Submaximal Exercise Testing in Sports, Clinical, and Home Settings. Sports Medicine, 2013, 43, 865-873.	6.5	101
5	Estimation of Freeâ€Living Energy Expenditure Using a Novel Activity Monitor Designed to Minimize Obtrusiveness. Obesity, 2010, 18, 1845-1851.	3.0	87
6	Relatively high-protein or â€˜low-carbâ€™ energy-restricted diets for body weight loss and body weight maintenance?. Physiology and Behavior, 2012, 107, 374-380.	2.1	83
7	Atrial Fibrillation Detection Using a Novel Cardiac Ambulatory Monitor Based on Photoâ€Plethysmography at the Wrist. Journal of the American Heart Association, 2018, 7, e009351.	3.7	69
8	A standard calculation methodology for human doubly labeled water studies. Cell Reports Medicine, 2021, 2, 100203.	6.5	62
9	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. Methods of Information in Medicine, 2016, 55, 525-532.	1.2	40
10	Walking as a Contributor to Physical Activity in Healthy Older Adults: 2 Week Longitudinal Study Using Accelerometry and the Doubly Labeled Water Method. JMIR MHealth and UHealth, 2016, 4, e56.	3.7	40
11	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. JMIR Medical Informatics, 2016, 4, e3.	2.6	32
12	Weight-Loss Induced Changes in Physical Activity and Activity Energy Expenditure in Overweight and Obese Subjects before and after Energy Restriction. PLoS ONE, 2013, 8, e59641.	2.5	29
13	A 45-Second Self-Test for Cardiorespiratory Fitness: Heart Rate-Based Estimation in Healthy Individuals. PLoS ONE, 2016, 11, e0168154.	2.5	22
14	Physical activity and fat-free mass during growth and in later life. American Journal of Clinical Nutrition, 2021, 114, 1583-1589.	4.7	22
15	Cardiorespiratory Improvements Achieved by American College of Sports Medicineâ€™s Exercise Prescription Implemented on a Mobile App. JMIR MHealth and UHealth, 2016, 4, e77.	3.7	18
16	Energy expenditure estimation in beta-blocker-medicated cardiac patients by combining heart rate and body movement data. European Journal of Preventive Cardiology, 2016, 23, 1734-1742.	1.8	15
17	Atrial fibrillation monitoring with wrist-worn photoplethysmography-based wearables: State-of-the-art review. Cardiovascular Digital Health Journal, 2020, 1, 45-51.	1.3	15
18	Towards valid estimates of activity energy expenditure using an accelerometer: searching for a proper analytical strategy and big data. Journal of Applied Physiology, 2013, 115, 1227-1228.	2.5	8

#	Article	IF	Citations
19	A method to adapt thoracic impedance based on chest geometry and composition to assess congestion in heart failure patients. Medical Engineering and Physics, 2016, 38, 538-546.	1.7	8
20	Cardiorespiratory fitness estimation from heart rate and body movement in daily life. Journal of Applied Physiology, 2020, 128, 493-500.	2.5	7
21	Body Acceleration as Indicator for Walking Economy in an Ageing Population. PLoS ONE, 2015, 10, e0141431.	2.5	6
22	Assessment of Human Ambulatory Speed by Measuring Near-Body Air Flow. Sensors, 2010, 10, 8705-8718.	3.8	4
23	Diurnal Patterns of Physical Activity in Relation to Activity Induced Energy Expenditure in 52 to 83 Years-Old Adults. PLoS ONE, 2016, 11, e0167824.	2.5	4
24	Proof of concept of a 45-second cardiorespiratory fitness self-test for coronary artery disease patients based on accelerometry. PLoS ONE, 2017, 12, e0183740.	2.5	4
25	Personalized support for well-being at work: an overview of the SWELL project. User Modeling and User-Adapted Interaction, 2020, 30, 413.	3.8	3
26	Validation of Heart Rate Extracted From Wrist-Based Photoplethysmography in the Perioperative Setting: Prospective Observational Study. JMIR Cardio, 2021, 5, e27765.	1.7	3
27	Atrial Fibrillation Episodes Detected Using Photoplethysmography. Journal of the American College of Cardiology, 2020, 75, 1365.	2.8	1
28	Quarter-mile walk test sensitive to training-induced fitness changes. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1820-1827.	0.7	1
29	Systems, sensors, and devices in personal healthcare applications. , 2022, , 51-83.		1