

Elisabetta Bianchini MScEng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3270705/publications.pdf>

Version: 2024-02-01

31
papers

727
citations

623699

14
h-index

526264

27
g-index

33
all docs

33
docs citations

33
times ranked

1194
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical Device Regulation: Should We Care About It?. <i>Artery Research</i> , 2022, 28, 55-60.	0.6	3
2	Carotid Ultrasound Boundary Study (CUBS): Technical considerations on an open multi-center analysis of computerized measurement systems for intima-media thickness measurement on common carotid artery longitudinal B-mode ultrasound scans. <i>Computers in Biology and Medicine</i> , 2022, 144, 105333.	7.0	15
3	Carotid Ultrasound Boundary Study (CUBS): An Open Multicenter Analysis of Computerized Intima-Media Thickness Measurement Systems and Their Clinical Impact. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2442-2455.	1.5	15
4	Technical Validation and Usability of a Portable Ultrasound-Based System for Carotid Assessment of Vascular Ageing: A Pilot Study. <i>Heart Lung and Circulation</i> , 2021, 30, 1734-1743.	0.4	2
5	Regulatory Requirements For Medical Devices And Vascular Ageing: An Overview. <i>Heart Lung and Circulation</i> , 2021, 30, 1658-1666.	0.4	3
6	Acute Cardiovascular Adaptation to Strenuous Exercise: An Integrative Ultrasound Study. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 463-470.	1.7	1
7	Unique device identification and traceability for medical software: A major challenge for manufacturers in an ever-evolving marketplace. <i>Journal of Biomedical Informatics</i> , 2019, 93, 103150.	4.3	13
8	Carotid and aortic stiffness in essential hypertension and their relation with target organ damage. <i>Journal of Hypertension</i> , 2017, 35, 310-318.	0.5	40
9	The Influence of Dietary Components on Early Signs of Atherosclerosis in Apparently Healthy Young-adult Males: An Observational Study of 615 Subjects. <i>Current Vascular Pharmacology</i> , 2017, 15, 482-490.	1.7	2
10	Carotid-Ventricular Coupling During Exercise. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1747-1756.	1.7	4
11	Non-invasive Assessment of Carotid Pulse Pressure Values: an Accelerometric-based Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 63, 1-1.	4.2	12
12	Intima media thickness, pulse wave velocity, and flow mediated dilation. <i>Cardiovascular Ultrasound</i> , 2014, 12, 34.	1.6	57
13	Non-invasive assessment of carotid PWV via accelerometric sensors: validation of a new device and comparison with established techniques. <i>European Journal of Applied Physiology</i> , 2014, 114, 1503-1512.	2.5	11
14	Non-cancer atherosclerotic effects associated with environmental and therapeutic radiation doses: The Chernobyl thyroid cancer children study. <i>International Journal of Cardiology</i> , 2013, 168, 4255-4257.	1.7	2
15	Functional and Structural Alterations of Large Arteries: Methodological Issues. <i>Current Pharmaceutical Design</i> , 2013, 19, 2390-2400.	1.9	33
16	Local carotid stiffness and intima-media thickness assessment by a novel ultrasound-based system in essential hypertension. <i>Atherosclerosis</i> , 2012, 223, 372-377.	0.8	47
17	Assessment of Carotid Elasticity During Exercise: A Reproducibility Study. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 223-230.	1.5	12
18	Comparison of two automatic methods for the assessment of brachial artery flow-mediated dilation. <i>Journal of Hypertension</i> , 2011, 29, 85-90.	0.5	30

#	ARTICLE	IF	CITATIONS
19	Abnormal shortened diastolic time length at increasing heart rates in patients with abnormal exercise-induced increase in pulmonary artery pressure. <i>Cardiovascular Ultrasound</i> , 2011, 9, 36.	1.6	17
20	Assessment of Carotid Stiffness and Intima-Media Thickness From Ultrasound Data. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 1169-1175.	1.7	75
21	Transthoracic Sensor for Noninvasive Assessment of Left Ventricular Contractility: Validation in A Minipig Model of Chronic Heart Failure. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 795-803.	1.2	16
22	Contrast-Enhanced Ultrasound Imaging Detects Intraplaque Neovascularization in an Experimental Model of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 1256-1264.	5.3	44
23	Post-exercise contractility, diastolic function, and pressure: Operator-independent sensor-based intelligent monitoring for heart failure telemedicine. <i>Cardiovascular Ultrasound</i> , 2009, 7, 21.	1.6	6
24	Diastolic time & frequency relation in the stress echo lab: filling timing and flow at different heart rates. <i>Cardiovascular Ultrasound</i> , 2008, 6, 15.	1.6	59
25	Arterial pressure changes monitoring with a new precordial noninvasive sensor. <i>Cardiovascular Ultrasound</i> , 2008, 6, 41.	1.6	13
26	Contour tracking on ultrasound sequences of vascular images. <i>Pattern Recognition and Image Analysis</i> , 2008, 18, 606-612.	1.0	2
27	Ultrasound Measurement of the Brachial Artery Flow-Mediated Dilation Without ECG Gating. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 385-391.	1.5	50
28	Detection of artery interfaces: a real-time system and its clinical applications. , 2008, , .		3
29	Real-time Measurement System for Evaluation of the Carotid Intima-Media Thickness With a Robust Edge Operator. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 1353-1361.	1.7	117
30	Contour Tracking When Two Gray-Level Discontinuities Are Close to Each Other. <i>Lecture Notes in Computer Science</i> , 2008, , 585-592.	1.3	0
31	Cardiac reflections and natural vibrations: Force-frequency relation recording system in the stress echo lab. <i>Cardiovascular Ultrasound</i> , 2007, 5, 42.	1.6	23