

# Åsa RydÅ©n Ahlgren

## List of Publications by Year in descending order

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26  
papers

709  
citations

777949

13  
h-index

843174

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the multi-phase longitudinal displacement of the left and right common carotid artery in healthy humans. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 342-354.	0.5	8
2	Longitudinal Movement of the Common Carotid Artery Wall: New Information on Cardiovascular Aging. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2283-2295.	0.7	19
3	Iterative 2D Tissue Motion Tracking in Ultrafast Ultrasound Imaging. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 662.	1.3	6
4	Design and Fabrication of a Conceptual Arterial Ultrasound Phantom Capable of Exhibiting Longitudinal Wall Movement. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 11-18.	1.7	8
5	A combination of parabolic and grid slope interpolation for 2D tissue displacement estimations. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1327-1338.	1.6	5
6	Increased cardiovascular risk without generalized arterial dilating diathesis in persons who do not have abdominal aortic aneurysm but who are first-degree relatives of abdominal aortic aneurysm patients. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 576-581.	0.9	2
7	Profound Increase in Longitudinal Displacements of the Porcine Carotid Artery Wall Can Take Place Independently of Wall Shear Stress: A Continuation Report. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1342-1353.	0.7	26
8	Low wall stress in the popliteal artery: Other mechanisms responsible for the predilection of aneurysmal dilatation?. <i>Vascular Medicine</i> , 2014, 19, 131-136.	0.8	3
9	Improved Tracking Performance of Lagrangian Block-Matching Methodologies Using Block Expansion in the Time Domain: In Silico, Phantom and in Vivo Evaluations. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2508-2520.	0.7	14
10	A fast 2D tissue motion estimator based on the phase of the intensity enables visualization of the propagation of the longitudinal movement in the carotid artery wall. , 2013, , .		4
11	Accuracy and Reproducibility of a Novel Dynamic Volume Flow Measurement Method. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 1903-1914.	0.7	25
12	Longitudinal displacement and intramural shear strain of the porcine carotid artery undergo profound changes in response to catecholamines. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1102-H1115.	1.5	41
13	Different Patterns of Longitudinal Displacement of the Common Carotid Artery Wall in Healthy Humans Are Stable Over a Four-Month Period. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 916-925.	0.7	36
14	A robust and fast method for arterial lumen diameter and intima-media thickness measurements. , 2012, , .		6
15	An Automatic Method for Measurements of Arterial Intima-Media Thickness Using Ultrasonic B-Mode Data. <i>Acoustical Imaging</i> , 2012, , 115-122.	0.2	3
16	A method for measuring the variation of intima-media thickness during the entire cardiac cycle using B-Mode images. , 2011, , .		1
17	Evaluation of an algorithm for arterial lumen diameter measurements by means of ultrasound. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 1133-1140.	1.6	17
18	Intra-Observer Variability of Longitudinal Displacement and Intramural Shear Strain Measurements of the Arterial Wall Using Ultrasound Noninvasively in vivo. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 697-704.	0.7	31

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19	A Method for Arterial Diameter Change Measurements Using Ultrasonic B-Mode Data. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1504-1512.	0.7	23
20	A method to measure shear strain with high spatial resolution in the arterial wall non-invasively in vivo by tracking zero-crossings of B-mode intensity gradients. , 2010, , .		7
21	Combined use of iteration, quadratic interpolation and an extra kernel for high-resolution 2D particle tracking: A first evaluation. , 2010, , .		1
22	Effects of adrenaline on longitudinal arterial wall movements and resulting intramural shear strain: a first report. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 353-359.	0.5	31
23	Non-invasive ultrasonic measurement of the relative volume change of the arterial wall - first in vivo trial. , 2008, , .		0
24	Longitudinal movements and resulting shear strain of the arterial wall. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H394-H402.	1.5	199
25	Evaluation of an ultrasonic echo-tracking method for measurements of arterial wall movements in two dimensions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 1300-1311.	1.7	118
26	A new non-invasive ultrasonic method for simultaneous measurements of longitudinal and radial arterial wall movements: first in vivo trial. <i>Clinical Physiology and Functional Imaging</i> , 2003, 23, 247-251.	0.5	75