Elira Maksuti

List of Publications by Year
in descending order

15	315	1162367 8	1372195 10
papers	citations	h-index	g-index

15	15	15	411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arterial Stiffness Estimation by Shear Wave Elastography: Validation in Phantoms with Mechanical Testing. Ultrasound in Medicine and Biology, 2016, 42, 308-321.	0.7	99
2	Closed-loop real-time simulation model of hemodynamics and oxygen transport in the cardiovascular system. BioMedical Engineering OnLine, 2013, 12, 69.	1.3	55
3	Shear Wave Elastography Quantifies Stiffness in ExÂVivo Porcine Artery with Stiffened Arterial Region. Ultrasound in Medicine and Biology, 2016, 42, 2423-2435.	0.7	48
4	Influence of wall thickness and diameter on arterial shear wave elastography: a phantom and finite element study. Physics in Medicine and Biology, 2017, 62, 2694-2718.	1.6	29
5	Contribution of the Arterial System and the Heart to Blood Pressure during Normal Aging â€“ A Simulation Study. PLoS ONE, 2016, 11, e0157493.	1.1	24
6	Modelling the heart with the atrioventricular plane as a piston unit. Medical Engineering and Physics, 2015, 37, 87-92.	0.8	15
7	Hydraulic forces contribute to left ventricular diastolic filling. Scientific Reports, 2017, 7, 43505.	1.6	14
8	Cardiac remodeling in aortic and mitral valve disease: a simulation study with clinical validation. Journal of Applied Physiology, 2019, 126, 1377-1389.	1.2	11
9	Plaque characterization using shear wave elastographyâ€”evaluation of differentiability and accuracy using a combined ex vivo and in vitro setup. Physics in Medicine and Biology, 2018, 63, 235008.	1.6	10
10	Shear wave elastography for characterization of carotid artery plaques - A feasibility study in an experimental setup. , 2012, , .		4
11	Feasibility of shear wave elastography for plaque characterization. , 2014, , .		4
12	Hydraulic force is a novel mechanism of diastolic function that may contribute to decreased diastolic filling in HFpEF and facilitate filling in HFrEF. Journal of Applied Physiology, 2021, 130, 993-1000.	1.2	2
13	Evaluating arterial and plaque elasticity with shear wave elastography in an ex vivo porcine model. , 2015, , .		0
14	Strain and strain rate generated by shear wave elastography in an ex vivo porcine aorta. , 2017, , .		0
15	Abstract 139: Future Clinical Tools: Carotid Plaque Characterization via Shear Wave Elastography - A Phantom Study. Stroke, 2015, 46, .	1.0	0