Clement Papadacci

List of Publications by Year
in descending order

33	1,192	471061 17	676716 22
papers	citations	h-index	g-index

39	39	39	1047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Ultrasound Device for Non-Invasive Real-Time Myocardial Stiffness Quantification of the Human Heart. IEEE Transactions on Biomedical Engineering, 2022, 69, 42-52.	2.5	12
2	Boosting transducer matrix sensitivity for 3D large field ultrasound localization microscopy using a multi-lens diffracting layer: a simulation study. Physics in Medicine and Biology, 2022, 67, 085009.	1.6	4
3	Coronary Flow Assessment Using 3-Dimensional Ultrafast Ultrasound Localization Microscopy. JACC: Cardiovascular Imaging, 2022, 15, 1193-1208.	2.3	23
4	In vivo whole brain microvascular imaging in mice using transcranial 3D Ultrasound Localization Microscopy. EBioMedicine, 2022, 79, 103995.	2.7	45
5	Ultrafast Ultrasound Imaging in PediatricÂand Adult Cardiology. JACC: Cardiovascular Imaging, 2020, 13, 1771-1791.	2.3	54
6	4D Ultrafast Ultrasound Imaging of Naturally Occurring Shear Waves in the Human Heart. IEEE Transactions on Medical Imaging, 2020, 39, 4436-4444.	5.4	22
7	4D simultaneous tissue and blood flow Doppler imaging: revisiting cardiac Doppler index with single heart beat 4D ultrafast echocardiography. Physics in Medicine and Biology, 2019, 64, 085013.	1.6	20
8	Multi-plane-transmit (MPT) Volumetric Imaging based on A Matrix Array: Experimental Validation. , 2019, , .		0
9	Arterial Stiffening with Ultrafast Ultrasound Imaging Gives NewÂInsight into Arterial Phenotype of Vascular Ehlers-Danlos MouseÂModels. Ultraschall in Der Medizin, 2019, 40, 734-742.	0.8	15
10	Cardiac Lesion Mapping <italic>In Vivo</italic> Using Intracardiac Myocardial Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 14-20.	1.7	8
11	Non-invasive Evaluation of Aortic Stiffness Dependence with Aortic Blood Pressure and Internal Radius by Shear Wave Elastography and Ultrafast Imaging. Irbm, 2018, 39, 9-17.	3.7	0
12	Quantitative Cardiac Output Assessment Using 4D Ultrafast Doppler Imaging: An in Vitro Study. , 2018, , .		1
13	3D Myocardial Elastography <italic>In Vivo</italic>. IEEE Transactions on Medical Imaging, 2017, 36, 618-627.	5.4	28
14	Feasibility and Validation of 4-D Pulse Wave Imaging in Phantoms and In Vivo. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1305-1317.	1.7	21
15	Imaging the dynamics of cardiac fiber orientation in vivo using 3D Ultrasound Backscatter Tensor Imaging. Scientific Reports, 2017, 7, 830.	1.6	57
16	3D Quasi-Static Ultrasound Elastography With Plane Wave <italic>In Vivo</italic>. IEEE Transactions on Medical Imaging, 2017, 36, 357-365.	5.4	38
17	Optimization of transmit parameters for two-dimensional cardiac strain estimation with coherent compounding in silico, in vitro, and in vivo. , 2016, , .		1
18	Feasibility and validation of 4D Pulse wave Imaging (PWI) in vitro: 3D automated estimation of regional Pulse Wave Velocity vector. , 2016, , .		1

#	Article	IF	Citations
19	Experimental study on the effect of the cylindrical vessel geometry on arterial shear wave elastography. , 2015, , .		0
20	Myocardial stiffness assessment in pediatric cardiology using shear wave imaging. , 2015, , .		0
21	3-D ultrafast doppler imaging applied to the noninvasive mapping of blood vessels in Vivo. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1467-1472.	1.7	95
22	4-D ultrafast shear-wave imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1059-1065.	1.7	83
23	A versatile and experimentally validated finite element model to assess the accuracy of shear wave elastography in a bounded viscoelastic medium. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 439-450.	1.7	23
24	3D ultrafast ultrasound imagingin vivo. Physics in Medicine and Biology, 2014, 59, L1-L13.	1.6	290
25	Anisotropic polyvinyl alcohol hydrogel phantom for shear wave elastography in fibrous biological soft tissue: a multimodality characterization. Physics in Medicine and Biology, 2014, 59, 6923-6940.	1.6	66
26	Anisotropic polyvinyl alcohol hydrogel phantom for shear wave elastography in fibrous biological soft tissue. , 2014, , .		3
27	Ultrasound backscatter tensor imaging (BTI): analysis of the spatial coherence of ultrasonic speckle in anisotropic soft tissues. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 986-996.	1.7	40
28	High-contrast ultrafast imaging of the heart. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 288-301.	1.7	200
29	Supersonic Shear Wave Imaging to Assess Arterial Nonlinear Behavior and Anisotropy: Proof of Principle via Ex Vivo Testing of the Horse Aorta. Advances in Mechanical Engineering, 2014, 6, 272586.	0.8	24
30	Non invasive and real time evaluation of mice aortic stiffness by ultrafast ultrasound imaging: a new tool for evaluation of preclinical vascular disease models. European Heart Journal, 2013, 34, P2527-P2527.	1.0	4
31	Towards backscatter tensor imaging (BTI): Analysis of the spatial coherence of ultrasonic speckle in anisotropic soft tissues. , 2013, , .		3
32	Supersonic shear wave imaging to assess arterial anisotropy: Ex-vivo testing of the horse aorta. , 2013, , .		3
33	Shear Wave Imaging of the heart using a cardiac phased array with coherent spatial compound. , 2012, , .		8