

# Giovanni Tonti

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,637  
citations

759233

12  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1801  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of intraventricular haemodynamic forces misalignment on left ventricular remodelling after myocardial infarction. ESC Heart Failure, 2022, 9, 496-505.	3.1	12
2	Cardiac and Vascular Remodeling After 6 Months of Therapy With Sacubitril/Valsartan: Mechanistic Insights From Advanced Echocardiographic Analysis. Frontiers in Cardiovascular Medicine, 2022, 9, .	2.4	9
3	Impact of synchronous atrioventricular delay optimization on left ventricle flow force angle evaluated by echocardiographic particle image velocimetry. Journal of Interventional Cardiac Electrophysiology, 2021, , 1.	1.3	1
4	Comparative Analysis of Right Ventricle Fluid Dynamics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 667408.	4.1	12
5	Introduction to Hemodynamic Forces Analysis: Moving Into the New Frontier of Cardiac Deformation Analysis. Journal of the American Heart Association, 2021, 10, e023417.	3.7	27
6	511â€fCardio-vascular remodelling during sacubitril/valsartan therapy in patients with heart failure and reduced ejection fraction. European Heart Journal Supplements, 2021, 23, .	0.1	0
7	Changes in Intraventricular Flow Patterns after MitraClip Implant in Patients with Functional Severe Mitral Regurgitation. Journal of the American Society of Echocardiography, 2019, 32, 1250-1253.e1.	2.8	8
8	Integration between volumetric change and strain for describing the global mechanical function of the left ventricle. Medical Engineering and Physics, 2019, 74, 65-72.	1.7	4
9	Cardiac fluid dynamics meets deformation imaging. Cardiovascular Ultrasound, 2018, 16, 4.	1.6	7
10	Left ventricular pacing vector selection by novel echo-particle imaging velocimetry analysis for optimization of quadripolar cardiac resynchronization device: a case report. Journal of Medical Case Reports, 2016, 10, 191.	0.8	5
11	Changes in electrical activation modify the orientation of left ventricular flow momentum: novel observations using echocardiographic particle image velocimetry. European Heart Journal Cardiovascular Imaging, 2016, 17, 203-209.	1.2	44
12	Cardiac fluid dynamics anticipates heart adaptation. Journal of Biomechanics, 2015, 48, 388-391.	2.1	48
13	The vortexâ€an early predictor of cardiovascular outcome?. Nature Reviews Cardiology, 2014, 11, 545-553.	13.7	270
14	Emerging Trends in CV Flow Visualization. JACC: Cardiovascular Imaging, 2012, 5, 305-316.	5.3	211
15	On the Left Ventricular Vortex Reversal after Mitral Valve Replacement. Annals of Biomedical Engineering, 2010, 38, 769-773.	2.5	99
16	Echocardiographic Particle Image Velocimetry: A Novel Technique for Quantification of Left Ventricular Blood Vorticity Pattern. Journal of the American Society of Echocardiography, 2010, 23, 86-94.	2.8	400
17	Characterization and Quantification of Vortex Flow in the Human Left Ventricle by Contrast Echocardiography Using Vector Particle Image Velocimetry. JACC: Cardiovascular Imaging, 2008, 1, 705-717.	5.3	290
18	Assessment of left atrial appendage wall velocities by transesophageal tissue Doppler echocardiography: A clinical study in patients with sinus rhythm. Journal of the American Society of Echocardiography, 2002, 15, 425-432.	2.8	25

#	ARTICLE	IF	CITATIONS
19	Fluid dynamics of the left ventricular filling in dilated cardiomyopathy. Journal of Biomechanics, 2002, 35, 665-671.	2.1	89
20	Space and time dependency of inertial and convective contribution to the transmitral pressure drop during ventricular filling. Journal of the American College of Cardiology, 2001, 38, 290-291.	2.8	12
21	New insights into regional systolic and diastolic left ventricular function with tissue doppler echocardiography: from qualitative analysis to a quantitative approach. Journal of the American Society of Echocardiography, 2001, 14, 85-96.	2.8	56
22	From digital image processing of colour Doppler M-mode maps to noninvasive evaluation of the left ventricular diastolic function: a dedicated software package. Ultrasound in Medicine and Biology, 2000, 26, 603-611.	1.5	8