Gianni Pedrizzetti

List of Publications by Year
in descending order

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149 papers	7,164 citations	94381 37 h-index	60583 81 g-index
154 all docs	154 docs citations	154 times ranked	6268 citing authors

#	Article	IF	Citations
1	Definitions for a Common Standard for 2D Speckle Tracking Echocardiography: Consensus Document of the EACVI/ASE/Industry Task Force to Standardize Deformation Imaging. Journal of the American Society of Echocardiography, 2015, 28, 183-193.	1.2	855
2	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 1-11.	0.5	830
3	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.	1.2	400
4	Tissue Tracking Technology for Assessing Cardiac Mechanics. JACC: Cardiovascular Imaging, 2015, 8, 1444-1460.	2.3	343
5	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.	2.3	290
6	Principles of cardiovascular magnetic resonance feature tracking and echocardiographic speckle tracking for informed clinical use. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 51.	1.6	279
7	The vortexâ€”an early predictor of cardiovascular outcome?. Nature Reviews Cardiology, 2014, 11, 545-553.	6.1	270
8	Left ventricular flow patterns in healthy subjects and patients with prosthetic mitral valves: An in vivo study using echocardiographic particle image velocimetry. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1501-1510.	0.4	229
9	Nature Optimizes the Swirling Flow in the Human Left Ventricle. Physical Review Letters, 2005, 95, 108101.	2.9	215
10	Emerging Trends in CV Flow Visualization. JACC: Cardiovascular Imaging, 2012, 5, 305-316.	2.3	211
11	Flow about a circular cylinder between parallel walls. Journal of Fluid Mechanics, 2001, 440, 1-25.	1.4	178
12	Three-dimensional filling flow into a model left ventricle. Journal of Fluid Mechanics, 2005, 539, 179.	1.4	145
13	CASE REPORTS: Effect of Cardiac Resynchronization Therapy on Longitudinal and Circumferential Left Ventricular Mechanics by Velocity Vector Imaging: Description and Initial Clinical Application of a Novel Method Using High-Frame Rate B-Mode Echocardiograp. Echocardiography, 2005, 22, 826-830.	0.3	121
14	Magnetic Resonance Derived Myocardial Strain Assessment Using Feature Tracking. Journal of Visualized Experiments, 2011, , .	0.2	115
15	Evaluation of Left Atrial Size and Function: Relevance for Clinical Practice. Journal of the American Society of Echocardiography, 2020, 33, 934-952.	1.2	110
16	On the Left Ventricular Vortex Reversal after Mitral Valve Replacement. Annals of Biomedical Engineering, 2010, 38, 769-773.	1.3	99
17	Contrast echocardiography for assessing left ventricular vortex strength in heart failure: a prospective cohort study. European Heart Journal Cardiovascular Imaging, 2013, 14, 1049-1060.	0.5	97
18	Fluid dynamics of the left ventricular filling in dilated cardiomyopathy. Journal of Biomechanics, 2002, 35, 665-671.	0.9	89

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19	Precision Phenotyping in Heart Failure andÂPattern Clustering of Ultrasound DataÂfor the Assessment of DiastolicÂDysfunction. JACC: Cardiovascular Imaging, 2017, 10, 1291-1303.	2.3	78
20	Combined experimental and numerical analysis of the flow structure into the left ventricle. Journal of Biomechanics, 2007, 40, 1988-1994.	0.9	72
21	Three-Dimensional Principal Strain Analysis forÂCharacterizing Subclinical Changes in Left Ventricular Function. Journal of the American Society of Echocardiography, 2014, 27, 1041-1050.e1.	1.2	68
22	Comparative numerical study on left ventricular fluid dynamics after dilated cardiomyopathy. Journal of Biomechanics, 2013, 46, 1611-1617.	0.9	67
23	Echocardiography and Cardiac Magnetic Resonanceâ€Based Feature Tracking in the Assessment of Myocardial Mechanics in Tetralogy of Fallot: An Intermodality Comparison. Echocardiography, 2013, 30, 203-210.	0.3	63
24	Quantitative analysis of intraventricular blood flow dynamics by echocardiographic particle image velocimetry in patients with acute myocardial infarction at different stages of left ventricular dysfunction. European Heart Journal Cardiovascular Imaging, 2014, 15, 1203-1212.	0.5	61
25	Intracardiac Flow Analysis: Techniques and Potential Clinical Applications. Journal of the American Society of Echocardiography, 2019, 32, 319-332.	1.2	56
26	On Markov modelling of turbulence. Journal of Fluid Mechanics, 1994, 280, 69-93.	1.4	55
27	Diagnostic Concordance of Echocardiography and Cardiac Magnetic Resonanceâ€“Based Tissue Tracking for Differentiating Constrictive Pericarditis From Restrictive Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 819-827.	1.3	52
28	Model and influence of mitral valve opening during the left ventricular filling. Journal of Biomechanics, 2003, 36, 355-361.	0.9	50
29	Cardiac fluid dynamics anticipates heart adaptation. Journal of Biomechanics, 2015, 48, 388-391.	0.9	48
30	Left Ventricular Fluid Mechanics: The Long Way from Theoretical Models to Clinical Applications. Annals of Biomedical Engineering, 2015, 43, 26-40.	1.3	47
31	On estimating intraventricular hemodynamic forces from endocardial dynamics: A comparative study with 4D flow MRI. Journal of Biomechanics, 2017, 60, 203-210.	0.9	46
32	Unsteady tube flow over an expansion. Journal of Fluid Mechanics, 1996, 310, 89-111.	1.4	45
33	Left and right ventricular hemodynamic forces in healthy volunteers and elite athletes assessed with 4D flow magnetic resonance imaging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H314-H328.	1.5	45
34	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.	0.5	44
35	Real-time evaluation of longitudinal peak systolic strain (speckle tracking measurement) in left and right ventricles of athletes. Cardiovascular Ultrasound, 2009, 7, 17.	0.5	41
36	Flow-tissue interaction with compliance mismatch in a model stented artery. Journal of Biomechanics, 2004, 37, 1-11.	0.9	40

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37	Two-dimensional tracking and TDI are consistent methods for evaluating myocardial longitudinal peak strain in left and right ventricle basal segments in athletes. Cardiovascular Ultrasound, 2007, 5, 7.	0.5	37
38	Speckle tracking for left ventricle performance in young athletes with bicuspid aortic valve and mild aortic regurgitation. European Journal of Echocardiography, 2009, 10, 527-531.	2.3	37
39	Intraventricular vortex flow changes in the infarcted left ventricle: numerical results in an idealised 3D shape. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 95-101.	0.9	36
40	CRT Improves LV Filling Dynamics. JACC: Cardiovascular Imaging, 2013, 6, 704-713.	2.3	36
41	Current Clinical Application of Intracardiac Flow Analysis Using Echocardiography. Journal of Cardiovascular Imaging, 2013, 21, 155.	0.8	36
42	Vortex dynamics in a model left ventricle during filling. European Journal of Mechanics, B/Fluids, 2002, 21, 527-543.	1.2	35
43	Asymptotic Model of Fluidâ€“Tissue Interaction for Mitral Valve Dynamics. Cardiovascular Engineering and Technology, 2015, 6, 95-104.	0.7	34
44	Self-similarity and probability distributions of turbulent intermittency. Physical Review E, 1996, 53, 475-484.	0.8	33
45	Diagnostic and prognostic significance of cardiovascular vortex formation. Journal of Cardiology, 2019, 74, 403-411.	0.8	32
46	Functional Strain-Line Pattern in the Human Left Ventricle. Physical Review Letters, 2012, 109, 048103.	2.9	30
47	Vortex Formation in the Cardiovascular System. , 2012, , .		30
48	The effect of exercise training on left ventricular function in young elite athletes. Cardiovascular Ultrasound, 2011, 9, 27.	0.5	28
49	Global longitudinal strain assessment by computed tomography in severe aortic stenosis patients - Feasibility using feature tracking analysis. Journal of Cardiovascular Computed Tomography, 2019, 13, 157-162.	0.7	28
50	Supernormal functional reserve of apical segments in elite soccer players: an ultrasound speckle tracking handgrip stress study. Cardiovascular Ultrasound, 2008, 6, 14.	0.5	27
51	Vortex formation out of two-dimensional orifices. Journal of Fluid Mechanics, 2010, 655, 198-216.	1.4	27
52	Hemodynamic forces using four-dimensional flow MRI: an independent biomarker of cardiac function in heart failure with left ventricular dyssynchrony?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1627-H1639.	1.5	27
53	Introduction to Hemodynamic Forces Analysis: Moving Into the New Frontier of Cardiac Deformation Analysis. Journal of the American Heart Association, 2021, 10, e023417.	1.6	27
54	Fluid flow in a tube with an elastic membrane insertion. Journal of Fluid Mechanics, 1998, 375, 39-64.	1.4	26

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55	On the computation of hemodynamic forces in the heart chambers. Journal of Biomechanics, 2019, 95, 109323.	0.9	26
56	Cardiac resynchronization therapy by multipoint pacing improves response of left ventricular mechanics and fluid dynamics: a three-dimensional and particle image velocimetry echo study. Europace, 2017, 19, 1833-1840.	0.7	25
57	Hemodynamic forces in the left and right ventricles of the human heart using 4D flow magnetic resonance imaging: Phantom validation, reproducibility, sensitivity to respiratory gating and free analysis software. PLoS ONE, 2018, 13, e0195597.	1.1	24
58	Insight into singular vortex flows. Fluid Dynamics Research, 1992, 10, 101-115.	0.6	22
59	Birth of three-dimensionality in a pulsed jet through a circular orifice. Journal of Fluid Mechanics, 2003, 493, 209-218.	1.4	22
60	Close interaction between a vortex filament and a rigid sphere. Journal of Fluid Mechanics, 1992, 245, 701.	1.4	21
61	On the geometrical relationship between global longitudinal strain and ejection fraction in the evaluation of cardiac contraction. Journal of Biomechanics, 2014, 47, 746-749.	0.9	21
62	The Relationship Between EF and StrainÂPermits a More Accurate Assessment of LV Systolic Function. JACC: Cardiovascular Imaging, 2019, 12, 1893-1895.	2.3	21
63	The Intraventricular Hemodynamic Forces Estimated Using Routine CMR Cine Images. JACC: Cardiovascular Imaging, 2019, 12, 377-379.	2.3	21
64	3D Strain helps relating LV function to LV and structure in athletes. Cardiovascular Ultrasound, 2014, 12, 33.	0.5	20
65	Range Variability in CMR Feature Tracking Multilayer Strain across Different Stages of Heart Failure. Scientific Reports, 2019, 9, 16478.	1.6	20
66	A new integrated approach to cardiac mechanics: reference values for normal left ventricle. International Journal of Cardiovascular Imaging, 2020, 36, 2173-2185.	0.7	20
67	Clinical application of quantitative analysis in real-time MCE. European Journal of Echocardiography, 2004, 5, S17-S23.	2.3	19
68	Analysis of mitral valve regurgitation by computational fluid dynamics. APL Bioengineering, 2019, 3, 036105.	3.3	19
69	Vortex imaging: new information gain from tracking cardiac energy loss. European Heart Journal Cardiovascular Imaging, 2015, 16, 719-720.	0.5	18
70	Assessment of Global Longitudinal and Circumferential Strain Using Computed Tomography Feature Tracking: Intra-Individual Comparison with CMR Feature Tracking and Myocardial Tagging in Patients with Severe Aortic Stenosis. Journal of Clinical Medicine, 2019, 8, 1423.	1.0	17
71	Simultaneous Volumetric and Functional Assessment of the Right Ventricle in Hypoplastic Left Heart Syndrome After Fontan Palliation, Utilizing 3-Dimensional Speckle-Tracking Echocardiography. Circulation Journal, 2020, 84, 235-244.	0.7	17
72	Hemodynamic forces in a model left ventricle. Physical Review Fluids, 2016, 1, .	1.0	17

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73	Three-dimensional reconstruction of cardiac flows based on multi-planar velocity fields. Experiments in Fluids, 2014, 55, 1.	1.1	16
74	Effects of Right Ventricular Hemodynamic Burden on Intraventricular Flow in Tetralogy of Fallot: An Echocardiographic Contrast Particle Imaging Velocimetry Study. Journal of the American Society of Echocardiography, 2014, 27, 1311-1318.	1.2	15
75	Usefulness of Left Ventricular Vortex Flow Analysis for Predicting Clinical Outcomes in Patients with Chronic Heart Failure: A Quantitative Vorticity Imaging Study Using Contrast Echocardiography. Ultrasound in Medicine and Biology, 2018, 44, 1951-1959.	0.7	15
76	Asymmetric Opening of a Simple Bileaflet Valve. Physical Review Letters, 2007, 98, 214503.	2.9	13
77	Vortex Formation in the Heart. , 2012, , 45-79.		13
78	Simplified mitral valve modeling for prospective clinical application of left ventricular fluid dynamics. Journal of Computational Physics, 2019, 398, 108895.	1.9	13
79	Dynamical control for capturing vortices near bluff bodies. Physical Review E, 1998, 58, 1883-1898.	0.8	12
80	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.	1.2	12
81	Kinematic Characterization of Valvular Opening. Physical Review Letters, 2005, 94, 194502.	2.9	12
82	Three-Dimensional Reconstruction of the Functional Strain-Line Pattern in the Left Ventricle From 3-Dimensional Echocardiography. Circulation: Cardiovascular Imaging, 2012, 5, 808-809.	1.3	12
83	Comparative Analysis of Right Ventricle Fluid Dynamics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 667408.	2.0	12
84	Impact of intraventricular haemodynamic forces misalignment on left ventricular remodelling after myocardial infarction. ESC Heart Failure, 2022, 9, 496-505.	1.4	12
85	Implantable Fiber Bragg Grating Sensor for Continuous Heart Activity Monitoring: Ex-Vivo and In-Vivo Validation. IEEE Sensors Journal, 2021, 21, 14051-14059.	2.4	11
86	Pulsatile Flow Inside Moderately Elastic Arteries, Its Modelling and Effects of Elasticity. Computer Methods in Biomechanics and Biomedical Engineering, 2002, 5, 219-231.	0.9	10
87	Left Ventricular Response to Cardiac Resynchronization Therapy: Insights From Hemodynamic Forces Computed by Speckle Tracking. Frontiers in Cardiovascular Medicine, 2019, 6, 59.	1.1	9
88	Influence of mitral valve elasticity on flow development in the left ventricle. European Journal of Mechanics, B/Fluids, 2019, 75, 110-118.	1.2	9
89	Cardiac and Vascular Remodeling After 6 Months of Therapy With Sacubitril/Valsartan: Mechanistic Insights From Advanced Echocardiographic Analysis. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	9
90	Controlled capture of a continuous vorticity distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 204, 108-114.	0.9	8

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91	Changes in global longitudinal strain in renal transplant recipients following 12Âmonths of exercise. Internal and Emergency Medicine, 2018, 13, 805-809.	1.0	8
92	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.	1.2	8
93	Myocardial Stretch in Early Systole is a Key Determinant of the Synchrony of Left Ventricular Mechanical Activity in vivo. Circulation Journal, 2013, 77, 2526-2534.	0.7	7
94	2D longitudinal LV speckle tracking strain pattern in breast cancer survivors: sports activity vs exercise as prescription model. Internal and Emergency Medicine, 2017, 12, 1149-1157.	1.0	7
95	Cardiac fluid dynamics meets deformation imaging. Cardiovascular Ultrasound, 2018, 16, 4.	0.5	7
96	Intracardiac flow analysis in cardiac resynchronization therapy: A new challenge?. Echocardiography, 2019, 36, 1919-1929.	0.3	7
97	Cardiovascular magnetic resonance-derived left ventricular intraventricular pressure gradients among patients with precapillary pulmonary hypertension. European Heart Journal Cardiovascular Imaging, 2022, 24, 78-87.	0.5	7
98	Chaotic capture of vortices by a moving body. II. Bound pair model. Chaos, 1994, 4, 681-691.	1.0	6
99	Differences in aortic vortex flow pattern between normal and patients with stroke: qualitative and quantitative assessment using transesophageal contrast echocardiography. International Journal of Cardiovascular Imaging, 2016, 32, 45-52.	0.7	6
100	Reference Ranges of Left Ventricular Hemodynamic Forces in Healthy Adults: A Speckle-Tracking Echocardiographic Study. Journal of Clinical Medicine, 2021, 10, 5937.	1.0	6
101	Clinical Application of 2D Speckle Tracking Strain for Assessing Cardio-Toxicity in Oncology. Journal of Functional Morphology and Kinesiology, 2016, 1, 343-354.	1.1	5
102	Intracardiac hemodynamic forces using 4D flow: a new reproducible method applied to healthy controls, elite athletes and heart failure patients. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q61.	1.6	5
103	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.	0.4	5
104	Fluid flow in a helical vessel in presence of a stenosis. Meccanica, 2017, 52, 545-553.	1.2	5
105	Noninvasive Evaluation of Intraventricular Flow Dynamics by the HyperDoppler Technique: First Application to Normal Subjects, Athletes, and Patients with Heart Failure. Journal of Clinical Medicine, 2022, 11, 2216.	1.0	5
106	Chaotic trapping phenomena in extended systems. Physical Review E, 1993, 48, 3299-3308.	0.8	4
107	Quadratic Markov modeling for intermittent turbulence. Physics of Fluids, 1999, 11, 1694-1696.	1.6	4
108	Interscale transfer in two-dimensional compact vortices. Journal of Fluid Mechanics, 2000, 406, 109-129.	1.4	4

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109	Integration between volumetric change and strain for describing the global mechanical function of the left ventricle. Medical Engineering and Physics, 2019, 74, 65-72.	0.8	4
110	The hemodynamic power of the heart differentiates normal from diseased right ventricles. Journal of Biomechanics, 2021, 119, 110312.	0.9	4
111	Assessment of Myocardial Contractile Function Using Global and Segmental Circumferential Strain following Intracoronary Stem Cell Infusion after Myocardial Infarction: MRI Feature Tracking Feasibility Study. ISRN Radiology, 2013, 2013, 1-6.	1.2	4
112	Abnormal Diastolic Hemodynamic Forces: A Link Between Right Ventricular Wall Motion, Intracardiac Flow, and Pulmonary Regurgitation in Repaired Tetralogy of Fallot. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	4
113	Impulsively started flow separation in wavy-walled tubes. Journal of Fluid Mechanics, 1998, 359, 1-22.	1.4	3
114	Role of inertia in the interaction between oscillatory flow and a wall-mounted leaflet. Physical Review E, 2011, 83, 016310.	0.8	3
115	Cardiovascular Outcomes in Renal Transplant Recipients: Feasibility and Clinical Role of 2D Speckle Tracking to Assess Myocardial Function. Journal of Functional Morphology and Kinesiology, 2016, 1, 109-117.	1.1	3
116	Intraventricular flow patterns during right ventricular apical pacing. Open Heart, 2019, 6, e001057.	0.9	3
117	Computed tomography derived left ventricular inward displacement as a novel tool for quantification of segmental wall motion abnormalities. International Journal of Cardiovascular Imaging, 2021, 37, 3589-3590.	0.7	3
118	Impulsive and pressure-driven transient flows in closed ducts. Physics of Fluids, 1997, 9, 3575-3577.	1.6	2
119	Vortex Dynamics. , 2012, , 17-44.		2
120	Optimal helical entry flow in a helical vessel. Fluid Dynamics Research, 2018, 50, 065503.	0.6	2
121	Surrogate models provide new insights on metrics based on blood flow for the assessment of left ventricular function. Scientific Reports, 2022, 12, .	1.6	2
122	Space temporal maps for vortical flow field construction. Meccanica, 1991, 26, 33-36.	1.2	1
123	In vitro assessment of a new algorithm for quantitative echo measurement of heart valve regurgitant jet. , 2003, , .		1
124	Effect of Cardiac Devices and Surgery on Vortex Formation. , 2012, , 81-124.		1
125	Ultrasound Assessment of the Force-Frequency Relationship from the Law of Conservation of Momentum in Patients with Left Ventricular Dysfunction. Ultrasound in Medicine and Biology, 2013, 39, 585-591.	0.7	1
126	Comments on Defining the Contribution of DiastolicÂVortex Ring to Left Ventricular Filling. Journal of the American College of Cardiology, 2015, 65, 2573-2574.	1.2	1

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127	Evaluation Of Myocardial Function In Female Athletes Post Breast Cancer. Medicine and Science in Sports and Exercise, 2016, 48, 187-188.	0.2	1
128	Special issue on Advances in biomechanics: from foundations to applications. Meccanica, 2017, 52, 487-488.	1.2	1
129	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.	0.6	1
130	A Novel Approach to Left Ventricular Filling Pressure Assessment: The Role of Hemodynamic Forces Analysis. Frontiers in Cardiovascular Medicine, 2021, 8, 704909.	1.1	1
131	On the characterization of athleteâ€™s heart using 3D echocardiography. European Journal of Preventive Cardiology, 2022, 29, 1592-1593.	0.8	1
132	Opening of a wall-mounted leaflet by a single flow pulse. Physical Review E, 2011, 84, 017301.	0.8	0
133	Diagnostic Vortex Imaging. , 2012, , 125-157.		0
134	Aging Does Not Affect Radial Viscoelastic Behavior of the Left Ventricle. Cardiology, 2013, 125, 38-49.	0.6	0
135	123â€…Myocardial and Fluid Mechanics by Echocardiography Detect Subclinical Changes in Type 2 Diabetes Mellitus. Heart, 2015, 101, A70-A71.	1.2	0
136	Feasibility Of 2D Strain For Assessing Myocardial Function In Trained And Not-trained Renal Transplant Recipients. Medicine and Science in Sports and Exercise, 2016, 48, 207.	0.2	0
137	Assessment Of Myocardial Mechanics In Renal Transplant Recipients Using Speckle Tracking Echocardiography. Medicine and Science in Sports and Exercise, 2017, 49, 157-158.	0.2	0
138	Home-based Exercise Improves Heart Contractility Determined by 2D Speckle Tracking Strain in Renal Transplant Recipients. Medicine and Science in Sports and Exercise, 2018, 50, 421-422.	0.2	0
139	Combined flow-based imaging assessment of optimal cardiac resynchronization therapy pacing vector: aÂcase report. Journal of Medical Case Reports, 2019, 13, 161.	0.4	0
140	Right Ventricle Systolic And Diastolic Function In Renal Transplant Recipients after 12 Months Of Unsupervised Exercise Training. Medicine and Science in Sports and Exercise, 2019, 51, 609-609.	0.2	0
141	NOVEL INSIGHTS INTO FUNCTION OF SINGLE LEFT VENTRICLE FROM ECHOCARDIOGRAPHIC THREE-DIMENSIONAL PRINCIPAL STRAIN ANALYSIS. Journal of the American College of Cardiology, 2020, 75, 589.	1.2	0
142	The effect of aortic root anatomy and vortex flow induced shear stress on the aortic valve leaflets. European Heart Journal Cardiovascular Imaging, 2021, 22, 995-997.	0.5	0
143	Home-based exercise program improves normal right ventricle function in renal transplant recipients. Journal of Sports Medicine and Physical Fitness, 2022, 62, .	0.4	0
144	3d Strain For The Left Ventricular Function Evaluation In Athletes With Bicuspid Aortic Valve.. Medicine and Science in Sports and Exercise, 2014, 46, 329.	0.2	0

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145	Cardioprotection in Brest Cancer Survivors. Medicine and Science in Sports and Exercise, 2017, 49, 675.	0.2	0
146	Cardiac Fluid Dynamics in Prolapsed and Repaired Mitral Valve. Lecture Notes in Mechanical Engineering, 2020, , 857-867.	0.3	0
147	Abstract 16215: Ventricular Dyssynchrony is Associated With Arrhythmic Mitral Prolapse Prior to Chamber Remodeling. Circulation, 2020, 142, .	1.6	0
148	Abstract 15457: Novel Three-dimensional Principal Strain Analysis for Global Function of Right Ventricle After Repair of Tetralogy of Fallot. Can It Predict Need for Pulmonary Valve Replacement?. Circulation, 2020, 142, .	1.6	0
149	311â€ƒA new color Doppler-based echocardiographic technique for evaluation of intraventricular flow dynamics: first application to normal subjects, athletes, and patients. European Heart Journal Supplements, 2021, 23, .	0.0	0