

Bã¡lint Kã¡roly Lakatos

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

698
citations

623734

14
h-index

642732

23
g-index

35
all docs

35
docs citations

35
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Right ventricular mechanical pattern in health and disease: beyond longitudinal shortening. <i>Heart Failure Reviews</i> , 2019, 24, 511-520.	3.9	91
2	Machine learning-based mortality prediction of patients undergoing cardiac resynchronization therapy: the SEMMELWEIS-CRT score. <i>European Heart Journal</i> , 2020, 41, 1747-1756.	2.2	82
3	Quantification of the relative contribution of the different right ventricular wall motion components to right ventricular ejection fraction: the ReVISION method. <i>Cardiovascular Ultrasound</i> , 2017, 15, 8.	1.6	49
4	Importance of Nonlongitudinal Motion Components in Right Ventricular Function: Three-Dimensional Echocardiographic Study in Healthy Volunteers. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 995-1005.e1.	2.8	45
5	Comparison of speckle-tracking echocardiography with invasive hemodynamics for the detection of characteristic cardiac dysfunction in type-1 and type-2 diabetic rat models. <i>Cardiovascular Diabetology</i> , 2018, 17, 13.	6.8	35
6	Partitioning the Right Ventricle Into 15 Segments and Decomposing Its Motion Using 3D Echocardiography-Based Models: The Updated ReVISION Method. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 622118.	2.4	26
7	Contraction Patterns of the Right Ventricle Associated with Different Degrees of Left Ventricular Systolic Dysfunction. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012774.	2.6	26
8	Dominance of free wall radial motion in global right ventricular function of heart transplant recipients. <i>Clinical Transplantation</i> , 2018, 32, e13192.	1.6	25
9	Right ventricular mechanical pattern in patients undergoing mitral valve surgery: a predictor of postoperative dysfunction?. <i>ESC Heart Failure</i> , 2020, 7, 1246-1256.	3.1	24
10	Exercise-induced shift in right ventricular contraction pattern: novel marker of athlete's heart?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1640-H1648.	3.2	23
11	Characterization of the dynamic changes in left ventricular morphology and function induced by exercise training and detraining. <i>International Journal of Cardiology</i> , 2019, 277, 178-185.	1.7	23
12	The impact of sex, age and training on biventricular cardiac adaptation in healthy adult and adolescent athletes: Cardiac magnetic resonance imaging study. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 540-549.	1.8	23
13	Longitudinal Strain Reflects Ventriculoarterial Coupling Rather Than Mere Contractility in Rat Models of Hemodynamic Overload-Induced Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1264-1275.e4.	2.8	21
14	Myocardial work index: a marker of left ventricular contractility in pressure- or volume overload-induced heart failure. <i>ESC Heart Failure</i> , 2021, 8, 2220-2231.	3.1	21
15	Is cardiac involvement prevalent in highly trained athletes after SARS-CoV-2 infection? A cardiac magnetic resonance study using sex-matched and age-matched controls. <i>British Journal of Sports Medicine</i> , 2022, 56, 553-560.	6.7	21
16	Biventricular mechanical pattern of the athlete's heart: comprehensive characterization using three-dimensional echocardiography. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1594-1604.	1.8	20
17	Regional shape, global function and mechanics in right ventricular volume and pressure overload conditions: a three-dimensional echocardiography study. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1289-1299.	1.5	19
18	Novel insights into the athlete's heart: is myocardial work the new champion of systolic function?. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 188-197.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Relationship between Cardiac Remodeling and Exercise Capacity in Elite Athletes: Incremental Value of Left Atrial Morphology and Function Assessed by Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 101-109.e1.	2.8	17
20	Prognostic Value of Right Ventricular Strains Using Novel Three-Dimensional Analytical Software in Patients With Cardiac Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 837584.	2.4	14
21	Sex-Specific Patterns of Mortality Predictors Among Patients Undergoing Cardiac Resynchronization Therapy: A Machine Learning Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 611055.	2.4	11
22	The Female Athlete's Heart: Comparison of Cardiac Changes Induced by Different Types of Exercise Training Using 3D Echocardiography. <i>BioMed Research International</i> , 2018, 2018, 1-7.	1.9	10
23	Global and regional right ventricular mechanics in repaired tetralogy of Fallot with chronic severe pulmonary regurgitation: a three-dimensional echocardiography study. <i>Cardiovascular Ultrasound</i> , 2021, 19, 28.	1.6	9
24	Contraction patterns of the systemic right ventricle: a three-dimensional echocardiography study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1654-1662.	1.2	9
25	Genetically determined pattern of left ventricular function in normal and hypertensive hearts. <i>Journal of Clinical Hypertension</i> , 2018, 20, 949-958.	2.0	8
26	The Prognostic Value of Anemia in Patients with Preserved, Mildly Reduced and Recovered Ejection Fraction. <i>Diagnostics</i> , 2022, 12, 517.	2.6	7
27	Geometrical remodeling of the mitral and tricuspid annuli in response to exercise training: a 3-D echocardiographic study in elite athletes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1774-H1785.	3.2	5
28	Added predictive value of right ventricular ejection fraction compared with conventional echocardiographic measurements in patients who underwent diverse cardiovascular procedures. <i>Imaging</i> , 2021, 13, 130-137.	0.3	4
29	Response to Ivey and Miranda and Ferrero and Torres: Is there dominance of free wall radial motion in global right ventricular function in heart transplant recipients or in all heart surgery patients? <i>Clinical Transplantation</i> , 2018, 32, e13286.	1.6	3
30	Global Longitudinal Strain in Moderate Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010711.	2.6	3
31	Anteroposterior Contraction of the Systemic Right Ventricle. <i>JACC: Case Reports</i> , 2021, 3, 728-730.	0.6	2
32	Cardiorespiratory fitness status of elite handball referees in Hungary. <i>PLoS ONE</i> , 2022, 17, e0270999.	2.5	2
33	Assessment of Right Ventricular Mechanics by 3D Transesophageal Echocardiography in the Early Phase of Acute Respiratory Distress Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 861464.	2.4	1
34	Competing Approaches to Defining Right Ventricular Motion Directions in Three Dimensions: A Pressing Need for Standardization?. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 203-205.	2.8	0