BÃ¡lint KÃ¡roly Lakatos

List of Publications by Year
in descending order

34 papers	698 citations	623699 14 h-index	642715 23 g-index
35 all docs	35 docs citations	35 times ranked	840 citing authors

#	Article	IF	Citations
1	Novel insights into the athleteâ€™s heart: is myocardial work the new champion of systolic function?. European Heart Journal Cardiovascular Imaging, 2022, 23, 188-197.	1.2	19
2	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. British Journal of Sports Medicine, 2022, 56, 553-560.	6.7	21
3	Biventricular mechanical pattern of the athleteâ€™s heart: comprehensive characterization using three-dimensional echocardiography. European Journal of Preventive Cardiology, 2022, 29, 1594-1604.	1.8	20
4	Prognostic Value of Right Ventricular Strains Using Novel Three-Dimensional Analytical Software in Patients With Cardiac Disease. Frontiers in Cardiovascular Medicine, 2022, 9, 837584.	2.4	14
5	The Prognostic Value of Anemia in Patients with Preserved, Mildly Reduced and Recovered Ejection Fraction. Diagnostics, 2022, 12, 517.	2.6	7
6	Contraction patterns of the systemic right ventricle: a three-dimensional echocardiography study. European Heart Journal Cardiovascular Imaging, 2022, 23, 1654-1662.	1.2	9
7	Assessment of Right Ventricular Mechanics by 3D Transesophageal Echocardiography in the Early Phase of Acute Respiratory Distress Syndrome. Frontiers in Cardiovascular Medicine, 2022, 9, 861464.	2.4	1
8	Cardiorespiratory fitness status of elite handball referees in Hungary. PLoS ONE, 2022, 17, e0270999.	2.5	2
9	Competing Approaches to Defining Right Ventricular Motion Directions in Three Dimensions: A Pressing Need for Standardization?. Journal of the American Society of Echocardiography, 2021, 34, 203-205.	2.8	0
10	Regional shape, global function and mechanics in right ventricular volume and pressure overload conditions: a three-dimensional echocardiography study. International Journal of Cardiovascular Imaging, 2021, 37, 1289-1299.	1.5	19
11	Sex-Specific Patterns of Mortality Predictors Among Patients Undergoing Cardiac Resynchronization Therapy: A Machine Learning Approach. Frontiers in Cardiovascular Medicine, 2021, 8, 611055.	2.4	11
12	Partitioning the Right Ventricle Into 15 Segments and Decomposing Its Motion Using 3D Echocardiography-Based Models: The Updated ReVISION Method. Frontiers in Cardiovascular Medicine, 2021, 8, 622118.	2.4	26
13	Myocardial work index: a marker of left ventricular contractility in pressureâ€•or volume overloadâ€induced heart failure. ESC Heart Failure, 2021, 8, 2220-2231.	3.1	21
14	Anteroposterior Contraction of the Systemic Right Ventricle. JACC: Case Reports, 2021, 3, 728-730.	0.6	2
15	Geometrical remodeling of the mitral and tricuspid annuli in response to exercise training: a 3-D echocardiographic study in elite athletes. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1774-H1785.	3.2	5
16	Added predictive value of right ventricular ejection fraction compared with conventional echocardiographic measurements in patients who underwent diverse cardiovascular procedures. Imaging, 2021, 13, 130-137.	0.3	4
17	Global and regional right ventricular mechanics in repaired tetralogy of Fallot with chronic severe pulmonary regurgitation: a three-dimensional echocardiography study. Cardiovascular Ultrasound, 2021, 19, 28.	1.6	9
18	Contraction Patterns of the Right Ventricle Associated with Different Degrees of Left Ventricular Systolic Dysfunction. Circulation: Cardiovascular Imaging, 2021, 14, e012774.	2.6	26

#	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. Journal of the American Society of Echocardiography, 2020, 33, 101-109.e1.	2.8	17
20	The impact of sex, age and training on biventricular cardiac adaptation in healthy adult and adolescent athletes: Cardiac magnetic resonance imaging study. European Journal of Preventive Cardiology, 2020, 27, 540-549.	1.8	23
21	Machine learning-based mortality prediction of patients undergoing cardiac resynchronization therapy: the SEMMELWEIS-CRT score. European Heart Journal, 2020, 41, 1747-1756.	2.2	82
22	Longitudinal Strain Reflects Ventriculoarterial Coupling Rather Than Mere Contractility in Rat Models of Hemodynamic Overloadâ€"Induced Heart Failure. Journal of the American Society of Echocardiography, 2020, 33, 1264-1275.e4.	2.8	21
23	Importance of Nonlongitudinal Motion Components in Right Ventricular Function: Three-Dimensional Echocardiographic Study in Healthy Volunteers. Journal of the American Society of Echocardiography, 2020, 33, 995-1005.e1.	2.8	45
24	Right ventricular mechanical pattern in patients undergoing mitral valve surgery: a predictor of postâ€operative dysfunction?. ESC Heart Failure, 2020, 7, 1246-1256.	3.1	24
25	Global Longitudinal Strain in Moderate Aortic Stenosis. Circulation: Cardiovascular Imaging, 2020, 13, e010711.	2.6	3
26	Right ventricular mechanical pattern in health and disease: beyond longitudinal shortening. Heart Failure Reviews, 2019, 24, 511-520.	3.9	91
27	Characterization of the dynamic changes in left ventricular morphology and function induced by exercise training and detraining. International Journal of Cardiology, 2019, 277, 178-185.	1.7	23
28	Dominance of free wall radial motion in global right ventricular function of heart transplant recipients. Clinical Transplantation, 2018, 32, e13192.	1.6	25
29	Exercise-induced shift in right ventricular contraction pattern: novel marker of athleteâ€™s heart?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1640-H1648.	3.2	23
30	Genetically determined pattern of left ventricular function in normal and hypertensive hearts. Journal of Clinical Hypertension, 2018, 20, 949-958.	2.0	8
31	The Female Athleteâ€™s Heart: Comparison of Cardiac Changes Induced by Different Types of Exercise Training Using 3D Echocardiography. BioMed Research International, 2018, 2018, 1-7.	1.9	10
32	Comparison of speckle-tracking echocardiography with invasive hemodynamics for the detection of characteristic cardiac dysfunction in type-1 and type-2 diabetic rat models. Cardiovascular Diabetology, 2018, 17, 13.	6.8	35
33	Response to Iveyâ€Miranda and Farreroâ€Torres â€œIs there dominance of free wall radial motion in global right ventricular function in heart transplant recipients or in all heart surgery patients?â€. Clinical Transplantation, 2018, 32, e13286.	1.6	3
34	Quantification of the relative contribution of the different right ventricular wall motion components to right ventricular ejection fraction: the ReVISION method. Cardiovascular Ultrasound, 2017, 15, 8.	1.6	49