

Vivek Jani

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

292
citations

933264

10
h-index

1058333

14
g-index

42
all docs

42
docs citations

42
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Echocardiographic scores for biventricular repair risk prediction of congenital heart disease with borderline left ventricle: a review. <i>Heart Failure Reviews</i> , 2023, 28, 63-76.	1.7	4
2	Influence of right ventricular pressure and volume overload on right and left ventricular diastolic function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, e299-e308.	0.4	1
3	Myofibril orientation as a metric for characterizing heart disease. <i>Biophysical Journal</i> , 2022, 121, 565-574.	0.2	17
4	Pseudo-acetylation of actin K326 and K328 increases duration and force of contraction in mouse cardiomyocytes. <i>Biophysical Journal</i> , 2022, 121, 394a.	0.2	0
5	Overview of Lung Ultrasound in Pediatric Cardiology. <i>Diagnostics</i> , 2022, 12, 763.	1.3	4
6	Patterns of cardiovascular magnetic resonance inflammation in acute myocarditis from South Asia and Middle East. <i>IJC Heart and Vasculature</i> , 2022, 40, 101029.	0.6	1
7	Atrial Function Impairments after Pediatric Cardiac Surgery Evaluated by STE Analysis. <i>Journal of Clinical Medicine</i> , 2022, 11, 2497.	1.0	1
8	Liverâ€Heart Microphysiological Organoid Model for the Study and Treatment of Cardiac Amyloidosis. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
9	Increased Hepatic Stiffness in Young Adults After Biventricular Repair of Congenital Heart Disease. <i>Annals of Thoracic Surgery</i> , 2021, 112, 1335-1341.	0.7	3
10	Differences in right ventricular-pulmonary vascular coupling and clinical indices between repaired standard tetralogy of Fallot and repaired tetralogy of Fallot with pulmonary atresia. <i>Diagnostic and Interventional Imaging</i> , 2021, 102, 85-91.	1.8	2
11	Ultrasound Theranostics in Adult and Pediatric Cardiovascular Research. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 185-190.	1.3	4
12	Progression of left ventricular diastolic function in the neonate and early childhood from transmitral color M-mode filling analysis. <i>Pediatric Research</i> , 2021, 89, 987-995.	1.1	2
13	Reduced Right Ventricular Sarcomere Contractility in Heart Failure With Preserved Ejection Fraction and Severe Obesity. <i>Circulation</i> , 2021, 143, 965-967.	1.6	32
14	Characterization of left ventricular cavity flow, wall stress and energy loss by color doppler vector flow mapping in children and adolescents with cardiomyopathy. <i>IJC Heart and Vasculature</i> , 2021, 32, 100703.	0.6	2
15	Application of negative tissue interstitial pressure improves functional capillary density after hemorrhagic shock in the absence of volume resuscitation. <i>Physiological Reports</i> , 2021, 9, e14783.	0.7	2
16	Extracellular vesicle interplay in cardiovascular pathophysiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1749-H1761.	1.5	23
17	Natriuretic Peptide Levels and Clinical Outcomes Among Patients Hospitalized With Coronavirus Disease 2019 Infection. , 2021, 3, e0498.		0
18	The discerning ear: cardiac auscultation in the era of artificial intelligence and telemedicine. <i>European Heart Journal Digital Health</i> , 2021, 2, 456-466.	0.7	5

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19	Dynamic Systolic Changes in Tricuspid Regurgitation Vena Contracta Size and Proximal Isovelocity Surface Area in Hypoplastic Left Heart Syndrome: A Three-Dimensional Color Doppler Echocardiographic Study. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 877-886.	1.2	2
20	PDE1 Inhibition Modulates Ca ^v 1.2 Channel to Stimulate Cardiomyocyte Contraction. <i>Circulation Research</i> , 2021, 129, 872-886.	2.0	8
21	Pulmonary artery pulsatility index predicts right ventricular myofilament dysfunction in advanced human heart failure. <i>European Journal of Heart Failure</i> , 2021, 23, 339-341.	2.9	16
22	A statistical comparison of reproducibility in current pediatric two-dimensional echocardiographic nomograms. <i>Pediatric Research</i> , 2021, 89, 579-590.	1.1	6
23	Inhibition of phosphodiesterase type 9 reduces obesity and cardiometabolic syndrome in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	16
24	Left Ventricular Systolic Impairment after Pediatric Cardiac Surgery Assessed by STE Analysis. <i>Healthcare (Switzerland)</i> , 2021, 9, 1338.	1.0	1
25	Abstract P505: Rv Sarcomeres From Lv-hfref Patients With Low Papi Have Abnormal Rv Thick Filament Structure. <i>Circulation Research</i> , 2021, 129, .	2.0	2
26	Transfusion of Anaerobically or Conventionally Stored Blood After Hemorrhagic Shock. <i>Shock</i> , 2020, 53, 352-362.	1.0	28
27	Left ventricular myocardial deformation as measure of hemodynamic burden in congenital valvular aortic stenosis. <i>International Journal of Cardiology</i> , 2020, 320, 133-138.	0.8	0
28	Altered Biatrial Phasic Function after Heart Transplantation in Children. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1132-1140.e2.	1.2	3
29	Numerical Model for the Determination of Erythrocyte Mechanical Properties and Wall Shear Stress in vivo From Intravital Microscopy. <i>Frontiers in Physiology</i> , 2020, 10, 1562.	1.3	6
30	Impaired myocardial deformation and ventricular vascular coupling in obese adolescents with dysglycemia. <i>Cardiovascular Diabetology</i> , 2019, 18, 172.	2.7	9
31	Increased Hemoglobin Oxygen Affinity With 5-Hydroxymethylfurfural Supports Cardiac Function During Severe Hypoxia. <i>Frontiers in Physiology</i> , 2019, 10, 1350.	1.3	13
32	Implications Enzymatic Degradation of the Endothelial Glycocalyx on the Microvascular Hemodynamics and the Arteriolar Red Cell Free Layer of the Rat Cremaster Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 168.	1.3	19
33	Implications Enzymatic Degradation of the Endothelial Glycocalyx on the Microvascular Hemodynamics and the Arteriolar Red Cell Free Layer of the Rat Cremaster Muscle. <i>FASEB Journal</i> , 2018, 32, 1b279.	0.2	0
34	Blood Quality Diagnostic Device Detects Storage Differences Between Donors. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2017, 11, 1400-1405.	2.7	7
35	Rat red blood cell storage lesions in various additive solutions. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 45-57.	0.9	9
36	Root cause analysis of limitations of virtual crossmatch for kidney allocation to highly-sensitized patients. <i>Human Immunology</i> , 2017, 78, 72-79.	1.2	14

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37	Cardiac function during resuscitation from hemorrhagic shock with polymerized bovine hemoglobin-based oxygen therapeutic. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 686-693.	1.9	10
38	Polyethylene Glycol Camouflaged Earthworm Hemoglobin. <i>PLoS ONE</i> , 2017, 12, e0170041.	1.1	18