

Hiroyuki Iwano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3002210/publications.pdf>

Version: 2024-02-01

95
papers

658
citations

687363

13
h-index

752698

20
g-index

98
all docs

98
docs citations

98
times ranked

1024
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Acute Hemodynamic Effects of Adaptive Servo-Ventilation in Patients With Heart Failure. <i>Circulation Journal</i> , 2013, 77, 1214-1220. | 1.6 | 40 |
| 2 | Myocardial Shortening in 3 Orthogonal Directions and Its Transmural Variation in Patients With Nonobstructive Hypertrophic Cardiomyopathy. <i>Circulation Journal</i> , 2015, 79, 2471-2479. | 1.6 | 30 |
| 3 | Altered Spatial Distribution of the Diastolic Left Ventricular Pressure Difference in Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 597-605.e1. | 2.8 | 30 |
| 4 | Left Ventricular Global Strain for Estimating Relaxation and Filling Pressure—A Multicenter Study. <i>Circulation Journal</i> , 2016, 80, 1163-1170. | 1.6 | 30 |
| 5 | Value of Virtual Touch Quantification Elastography for Assessing Liver Congestion in Patients With Heart Failure. <i>Circulation Journal</i> , 2016, 80, 1187-1195. | 1.6 | 28 |
| 6 | Relationships of left ventricular strain and strain rate to wall stress and their afterload dependency. <i>Heart and Vessels</i> , 2017, 32, 574-583. | 1.2 | 26 |
| 7 | Reduced variability of visual left ventricular ejection fraction assessment with reference images: The Japanese Association of Young Echocardiography Fellows multicenter study. <i>Journal of Cardiology</i> , 2018, 72, 74-80. | 1.9 | 26 |
| 8 | Early diastolic mitral annular velocity at the interventricular septal annulus correctly reflects left ventricular longitudinal myocardial relaxation. <i>European Journal of Echocardiography</i> , 2011, 12, 917-923. | 2.3 | 25 |
| 9 | Heart failure: What does ejection fraction have to do with it?. <i>Journal of Cardiology</i> , 2013, 62, 1-3. | 1.9 | 25 |
| 10 | Cardiac Magnetic Resonance Performs Better in the Detection of Functionally Significant Coronary Artery Stenosis Compared to Single-Photon Emission Computed Tomography and Dobutamine Stress Echocardiography. <i>Circulation Journal</i> , 2014, 78, 2468-2476. | 1.6 | 20 |
| 11 | Morphofunctional cardiac changes in pregnant women: associations with biomarkers. <i>Open Heart</i> , 2018, 5, e000850. | 2.3 | 20 |
| 12 | Impact of admission liver stiffness on long-term clinical outcomes in patients with acute decompensated heart failure. <i>Heart and Vessels</i> , 2019, 34, 984-991. | 1.2 | 17 |
| 13 | Performance of the H2FPEF and the HFA-PEFF scores for the diagnosis of heart failure with preserved ejection fraction in Japanese patients: A report from the Japanese multicenter registry. <i>International Journal of Cardiology</i> , 2021, 342, 43-48. | 1.7 | 17 |
| 14 | Refractory cardiac myocarditis associated with drug rash with eosinophilia and systemic symptoms syndrome due to anti-bipolar disorder drugs: a case report. <i>European Heart Journal - Case Reports</i> , 2018, 2, yty100. | 0.6 | 13 |
| 15 | Quantitative and Pattern Analyses of Continuous-Wave Doppler-Derived Pulmonary Regurgitant Flow Velocity for the Diagnosis of Constrictive Pericarditis. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1223-1229. | 2.8 | 12 |
| 16 | Overestimation by echocardiography of the peak systolic pressure gradient between the right ventricle and right atrium due to tricuspid regurgitation and the usefulness of the early diastolic transpulmonary valve pressure gradient for estimating pulmonary artery pressure. <i>Heart and Vessels</i> , 2017, 32, 833-842. | 1.2 | 12 |
| 17 | Long-term Prognostic Significance of Admission Tricuspid Regurgitation Pressure Gradient in Hospitalized Patients With Heart Failure With Preserved Ejection Fraction: A Report From the Japanese Real-World Multicenter Registry. <i>Journal of Cardiac Failure</i> , 2019, 25, 978-985. | 1.7 | 12 |
| 18 | Left ventricular outflow tract velocity time integral in hospitalized heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 168-176. | 3.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effects of Surgical Ventricular Reconstruction and Mitral Complex Reconstruction on Cardiac Oxidative Metabolism and Efficiency in Nonischemic and Ischemic Dilated Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 762-770. | 5.3 | 11 |
| 20 | Novel Strain Rate Index of Contractility Loss Caused by Mechanical Dyssynchrony - A Predictor of Response to Cardiac Resynchronization Therapy -. <i>Circulation Journal</i> , 2011, 75, 2167-2175. | 1.6 | 11 |
| 21 | Independent and incremental prognostic value of semiquantitative measures of tricuspid regurgitation severity in heart failure with preserved ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, , . | 1.2 | 11 |
| 22 | Blood flow dynamics with four-dimensional flow cardiovascular magnetic resonance in patients with aortic stenosis before and after transcatheter aortic valve replacement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 81. | 3.3 | 11 |
| 23 | Angiotensin II Receptor Blocker, Valsartan, Increases Myocardial Blood Volume and Regresses Hypertrophy in Hypertensive Patients. <i>Circulation Journal</i> , 2009, 73, 2098-2103. | 1.6 | 10 |
| 24 | Cardiac involvement with anti-mitochondrial antibody-positive myositis mimicking cardiac sarcoidosis. <i>ESC Heart Failure</i> , 2020, 7, 4315-4319. | 3.1 | 10 |
| 25 | Role of Diastolic Function in Preserved Exercise Capacity in Patients with Reduced Ejection Fractions. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1184-1193. | 2.8 | 9 |
| 26 | Prognostic Value of Serum Uric Acid in Hospitalized Heart Failure Patients With Preserved Ejection Fraction (from the Japanese Nationwide Multicenter Registry). <i>American Journal of Cardiology</i> , 2020, 125, 772-776. | 1.6 | 9 |
| 27 | Differential Prognostic Impact of Atrial Fibrillation in Hospitalized Heart Failure Patients With Preserved Ejection Fraction According to Coronary Artery Disease Status - Report From the Japanese Nationwide Multicenter Registry -. <i>Circulation Journal</i> , 2020, 84, 397-403. | 1.6 | 9 |
| 28 | Delay of left ventricular longitudinal expansion with diastolic dysfunction: impact on load dependence of e_{a}^2 and longitudinal strain rate. <i>Physiological Reports</i> , 2014, 2, e12082. | 1.7 | 8 |
| 29 | POEMS Syndrome Showing Left Ventricular Dysfunction and Extracellular Edema Assessed by Cardiac Magnetic Resonance Imaging. <i>Internal Medicine</i> , 2019, 58, 2539-2543. | 0.7 | 8 |
| 30 | Lower left ventricular ejection fraction and higher serum angiotensin-converting enzyme activity are associated with histopathological diagnosis by endomyocardial biopsy in patients with cardiac sarcoidosis. <i>International Journal of Cardiology</i> , 2020, 321, 113-117. | 1.7 | 8 |
| 31 | Decreased aorto-septal angle may contribute to left ventricular diastolic dysfunction in healthy subjects. <i>Journal of Clinical Ultrasound</i> , 2014, 42, 341-347. | 0.8 | 7 |
| 32 | Novel echocardiographic method to assess left ventricular chamber stiffness and elevated end-diastolic pressure based on time-velocity integral measurements of pulmonary venous and transmitral flows. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1260-1267. | 1.2 | 7 |
| 33 | Association of peripartum troponin I levels with left ventricular relaxation in women with hypertensive disorders of pregnancy. <i>Open Heart</i> , 2018, 5, e000829. | 2.3 | 7 |
| 34 | Simple Two-Dimensional Echocardiographic Scoring System for the Estimation of Left Ventricular Filling Pressure. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 723-734. | 2.8 | 7 |
| 35 | Myocardial oxidative metabolism is increased due to haemodynamic overload in patients with aortic valve stenosis: assessment using ^{11}C -acetate positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 2242-2248. | 6.4 | 6 |
| 36 | Strain Rate Dispersion Index Can Predict Changes in Left Ventricular Volume and Adverse Cardiac Events Following Cardiac Resynchronization Therapy. <i>Circulation Journal</i> , 2013, 77, 2757-2765. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Diastolic Intra-Left Ventricular Pressure Difference During Exercise: Strong Determinant and Predictor of Exercise Capacity in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2019, 25, 268-277. | 1.7 | 6 |
| 38 | Morphofunctional cardiac changes in singleton and twin pregnancies: a longitudinal cohort study. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 750. | 2.4 | 6 |
| 39 | Visual echocardiographic scoring system of the left ventricular filling pressure and outcomes of heart failure with preserved ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 616-626. | 1.2 | 6 |
| 40 | Clinical Utility of Superior Vena Cava Flow Velocity Waveform Measured from the Subcostal Window for Estimating Right Atrial Pressure. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 727-737. | 2.8 | 6 |
| 41 | Accelerated 99mTc-sestamibi clearance associated with mitochondrial dysfunction and regional left ventricular dysfunction in reperfused myocardium in patients with acute coronary syndrome. <i>EJNMMI Research</i> , 2016, 6, 41. | 2.5 | 5 |
| 42 | Presence and Relevance of Midsystolic Notching on Right Ventricular Outflow Tract Flow Velocity Envelopes in Pulmonary Hypertension due to Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 690-692.e1. | 2.8 | 5 |
| 43 | Presence and Implication of Temporal Nonuniformity of Early Diastolic Left Ventricular Wall Expansion in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2016, 22, 945-953. | 1.7 | 4 |
| 44 | Tricuspid regurgitation occurring in the early diastolic phase in a case of heart failure: Insights from echocardiographic and invasive hemodynamic findings. <i>Echocardiography</i> , 2019, 36, 1771-1775. | 0.9 | 4 |
| 45 | Usefulness of Liver Magnetic Resonance Elastography for Estimating Right-Atrial Pressure in Heart Failure Patients. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2050-2052. | 5.3 | 4 |
| 46 | Prognostic value of admission serum magnesium in acute myocardial infarction complicated by malignant ventricular arrhythmias. <i>American Journal of Emergency Medicine</i> , 2021, 44, 100-105. | 1.6 | 4 |
| 47 | Long-Term Prognostic Significance of Ventricular Repolarization Dispersion in Patients with Cardiac Sarcoidosis. <i>American Journal of Cardiology</i> , 2021, 152, 125-131. | 1.6 | 4 |
| 48 | Heart Failure With Preserved Ejection Fraction vs. Reduced Ejection Fraction: Mechanisms of Ventilatory Inefficiency During Exercise in Heart Failure. <i>Circulation Reports</i> , 2020, 2, 271-279. | 1.0 | 4 |
| 49 | Characteristic systolic waveform of left ventricular longitudinal strain rate in patients with hypertrophic cardiomyopathy. <i>Heart and Vessels</i> , 2017, 32, 591-599. | 1.2 | 3 |
| 50 | A case of medical management of tricuspid regurgitation related to atrial fibrillation with constrictive pericarditis-like hemodynamics. <i>Journal of Cardiology Cases</i> , 2018, 18, 175-179. | 0.5 | 3 |
| 51 | Simple and noninvasive method to estimate right ventricular operating stiffness based on echocardiographic pulmonary regurgitant velocity and tricuspid annular plane movement measurements during atrial contraction. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1871-1880. | 1.5 | 3 |
| 52 | Risk factors for residual mitral regurgitation after aortic valve replacement in patients with severe aortic valve stenosis and moderate mitral regurgitation. <i>General Thoracic and Cardiovascular Surgery</i> , 2019, 67, 849-854. | 0.9 | 3 |
| 53 | Study protocol for prospect trial to elucidate the utility of echocardiography-based cardiac output in acute heart failure (PREDICT). <i>Journal of Echocardiography</i> , 2020, 18, 235-239. | 0.8 | 3 |
| 54 | Applicability of the AHA/ACC/HRS Guideline for Implantable Cardioverter Defibrillator Implantation in Japanese Patients With Cardiac Sarcoidosis. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 1410-1418. | 3.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Interrelation between myocardial oxidative metabolism and diastolic function in patients undergoing surgical ventricular reconstruction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 349-355. | 6.4 | 2 |
| 56 | Usefulness of the Continuous-Wave Doppler-Derived Pulmonary Arterial Right Ventricular Pressure Gradient Just before Atrial Contraction for the Estimation of Pulmonary Arterial Diastolic and Wedge Pressures. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 958-966. | 1.5 | 2 |
| 57 | A new method to estimate pulmonary vascular resistance using diastolic pulmonary artery-right ventricular pressure gradients derived from continuous-wave Doppler velocity measurements of pulmonary regurgitation. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 31-38. | 1.5 | 2 |
| 58 | Left Ventricular Mass Influences Relationship Between Filling Pressure and Early-Diastolic Ratio of Inflow Velocity to Mitral Annular Velocity (E/e^2). <i>Circulation Journal</i> , 2018, 82, 732-738. | 1.6 | 2 |
| 59 | A Case of Severe Aortic Regurgitation Caused by Takayasu's Arteritis Showing End-Diastolic Opening of Aortic Valve. <i>Case</i> , 2018, 2, 248-253. | 0.3 | 2 |
| 60 | Influence of advanced pulmonary vascular remodeling on accuracy of echocardiographic parameters of left ventricular filling pressure. <i>Pulmonary Circulation</i> , 2021, 11, 1-12. | 1.7 | 2 |
| 61 | Functional significance of intracavitary ventricular vortices on energy efficiency in normal, dilated, and hypertrophied hearts. <i>Journal of Clinical Ultrasound</i> , 2021, 49, 358-367. | 0.8 | 2 |
| 62 | Mechanism of Early-Diastolic Mitral Regurgitation. <i>Circulation Journal</i> , 2020, 84, 2036. | 1.6 | 2 |
| 63 | Determinants of altered left ventricular suction in pre-capillary pulmonary hypertension. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1399-1406. | 1.2 | 2 |
| 64 | Results of PROspect trial to Elucidate the utility of Echocardiography-based Cardiac output in acute heart failure (PREDICT). <i>Journal of Cardiology</i> , 2022, 80, 218-225. | 1.9 | 2 |
| 65 | Coexisting cardiac diseases and pressure recovery phenomenon contribute to discrepancy between the echocardiographic severity of aortic stenosis and left ventricular hypertrophy. <i>Journal of Echocardiography</i> , 2013, 11, 41-49. | 0.8 | 1 |
| 66 | Clinical Utility of Echocardiographic Hemodynamic Monitoring during Manual Compression of Arteriovenous Shunt in a Patient with High-Output Heart Failure. <i>Case</i> , 2018, 2, 103-108. | 0.3 | 1 |
| 67 | Abnormal FDG uptake predicting the instability of thoracic aortic aneurysms. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1841-1843. | 2.1 | 1 |
| 68 | Invasive Cardiac Lipoma Complicating Visceral Inversion. <i>JACC: Case Reports</i> , 2020, 2, 1570-1571. | 0.6 | 1 |
| 69 | Significance and prognostic impact of v wave on pulmonary artery pressure in patients with heart failure: beyond the wedge pressure. <i>Heart and Vessels</i> , 2020, 35, 1079-1086. | 1.2 | 1 |
| 70 | Myocardial T ₁ -mapping and Extracellular Volume Quantification in Patients and Putative Carriers of Muscular Dystrophy: Early Experience. <i>Magnetic Resonance in Medical Sciences</i> , 2021, 20, 320-324. | 2.0 | 1 |
| 71 | Right ventricular pressure-volume loop produced with simultaneous application of three-dimensional echocardiography and high-fidelity micromanometry in a patient with pulmonary arterial hypertension. <i>Echocardiography</i> , 2021, 38, 805-807. | 0.9 | 1 |
| 72 | A Wavelet Approach to the Estimation of Left Ventricular Early Filling Wave Propagation Velocity from Color M-Mode Echocardiograms. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1397-1407. | 1.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Influence of left ventricular systolic dysfunction on occurrence of pulsus tardus in patients with aortic stenosis. <i>Journal of Cardiology</i> , 2021, 78, 322-327. | 1.9 | 1 |
| 74 | Reversible Cancer Therapeutics-related Cardiac Dysfunction Complicating Intra-cardiac Thrombi. <i>Internal Medicine</i> , 2020, 59, 2155-2160. | 0.7 | 1 |
| 75 | Relation between myocardial blood volume and left ventricular contractile reserve in patients with dilated cardiomyopathy. <i>Choonpa Igaku</i> , 2010, 37, 491-497. | 0.0 | 1 |
| 76 | Difference in left atrial myocardial dynamics during reservoir phase between hypertrophic cardiomyopathy and hypertensive heart determined using three-dimensional speckle tracking echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1781-1791. | 0.6 | 1 |
| 77 | Prediction of Functional Improvement in Patients with Idiopathic Dilated Cardiomyopathy by Myocardial Blood Volume Using Contrast Echocardiography. <i>Journal of Cardiac Failure</i> , 2008, 14, S170. | 1.7 | 0 |
| 78 | Overweight causes left ventricular diastolic asynchrony and diastolic dysfunction: a study based on speckle tracking echocardiography in healthy subjects. <i>Journal of Echocardiography</i> , 2012, 10, 83-89. | 0.8 | 0 |
| 79 | Left Ventricular Systolic Circumferential Deformation is Associated with Left Ventricular Diastolic Apical Suction. <i>Journal of Cardiac Failure</i> , 2013, 19, S170. | 1.7 | 0 |
| 80 | Ratio of Transmitral Early-Diastolic Velocity to Global Longitudinal Strain Accurately Estimates Filling Pressure Regardless of Left Ventricular Hypertrophy. <i>Journal of Cardiac Failure</i> , 2015, 21, S162. | 1.7 | 0 |
| 81 | Presence of Temporal Non-Uniformity of Early Diastolic Left Ventricular Wall Expansion in Patients with Heart Failure. <i>Journal of Cardiac Failure</i> , 2015, 21, S162. | 1.7 | 0 |
| 82 | An Index of Left Ventricular Contractility Loss due to Mechanical Dyssynchrony for the Prediction of Response to Cardiac Resynchronization Therapy. <i>Journal of Cardiac Failure</i> , 2016, 22, S157. | 1.7 | 0 |
| 83 | An Unusual Case of Bioprosthetic Mitral Valve Failure. <i>JACC: Case Reports</i> , 2020, 2, 1572-1574. | 0.6 | 0 |
| 84 | Clinical significance of end-diastolic opening of pulmonary valve in a case complicating left ventricular systolic dysfunction. <i>Journal of Echocardiography</i> , 2021, 19, 53-55. | 0.8 | 0 |
| 85 | 4-Dimensional Flow Cardiovascular Magnetic Resonance Imaging of Changes in Blood Flow Dynamics After Surgery for Discrete Subaortic Stenosis. <i>Circulation Journal</i> , 2021, 85, 954. | 1.6 | 0 |
| 86 | Relevance of early-diastolic mitral regurgitation in dilated heart. <i>Journal of Echocardiography</i> , 2021, , 1. | 0.8 | 0 |
| 87 | Acute Myocardial Infarction of the Left Main Coronary Artery Presenting with Cardiogenic Shock and Pulmonary Edema during Noncardiac Surgery. <i>Case Reports in Cardiology</i> , 2021, 2021, 1-6. | 0.2 | 0 |
| 88 | Application of the proximal isovelocity surface area method for estimation of the effective orifice area in aortic stenosis. <i>Heart and Vessels</i> , 2022, 37, 638-646. | 1.2 | 0 |
| 89 | Prognostic value of an echocardiographic index reflecting right ventricular operating stiffness in patients with heart failure. <i>Heart and Vessels</i> , 2022, 37, 583-592. | 1.2 | 0 |
| 90 | Paravalvular leak vanishing at end-diastole during transcatheter aortic valve replacement. <i>Journal of Echocardiography</i> , 2021, , 1. | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 91 | Prevalence and echocardiographic screening for pulmonary hypertension in liver transplantation recipients. , 2019, , . | | 0 |
| 92 | Emery-Dreifuss muscular dystrophy as a possible cause of coronary embolism. Cardiology Journal, 2020, 27, 443-444. | 1.2 | 0 |
| 93 | The assessment of left heart disease in patients with systemic sclerosis and pulmonary hypertension. Clinical and Experimental Rheumatology, 2021, 39 Suppl 131, 103-110. | 0.8 | 0 |
| 94 | The assessment of left heart disease in patients with systemic sclerosis and pulmonary hypertension. Clinical and Experimental Rheumatology, 2021, 39, 103-110. | 0.8 | 0 |
| 95 | Two cases showing alterations of the order of tricuspid and mitral valve opening during loading manipulations: a new approach for quick assessment of stress-induced left ventricular filling pressure elevation. Journal of Medical Ultrasonics (2001), 0, , . | 1.3 | 0 |