

Akihiro Hayashida

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,753
citations

331670

21
h-index

276875

41
g-index

89
all docs

89
docs citations

89
times ranked

2387
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Evaluation of Left Ventricular Strain Using Speckle Tracking Echocardiography in Normal Adults: Comparison of Three-Dimensional and Two-Dimensional Approaches. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 1025-1030.	2.8	218
2	Impact of Target Lesion Coronary Calcification on Stent Expansion. <i>Circulation Journal</i> , 2014, 78, 2209-2214.	1.6	188
3	Local Release of Catecholamines From the Hearts of Patients With Tako-Tsubo-Like Left Ventricular Dysfunction. <i>Circulation Journal</i> , 2008, 72, 106-108.	1.6	148
4	Assessment of the coronary calcification by optical coherence tomography. <i>EuroIntervention</i> , 2011, 6, 768-772.	3.2	121
5	Insufficient Leaflet Remodeling in Patients With Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	94
6	Natural History of Stent Edge Dissection, Tissue Protrusion and Incomplete Stent Apposition Detectable Only on Optical Coherence Tomography After Stent Implantation. <i>Circulation Journal</i> , 2012, 76, 698-703.	1.6	87
7	Normal Values of Real-Time 3-Dimensional Echocardiographic Parameters in a Healthy Japanese Population. <i>Circulation Journal</i> , 2012, 76, 1177-1181.	1.6	79
8	Influence of Chronic Tethering of the Mitral Valve on Mitral Leaflet Size and Coaptation in Functional Mitral Regurgitation. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 337-345.	5.3	69
9	Plaque Characteristics of Thin-Cap Fibroatheroma Evaluated by OCT and IVUS. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 638-646.	5.3	63
10	Impact of right ventricular involvement on the prognosis of takotsubo cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 210-216.	1.2	63
11	Usefulness of CHADS2 Score to Predict C-Reactive Protein, Left Atrial Blood Stasis, and Prognosis in Patients With Nonrheumatic Atrial Fibrillation. <i>American Journal of Cardiology</i> , 2010, 106, 535-538.	1.6	37
12	Relationship Between Arterial and Fibrous Cap Remodeling. <i>Circulation: Cardiovascular Interventions</i> , 2010, 3, 484-490.	3.9	34
13	Guidelines from the Japanese Society of Echocardiography: Guidance for the management and maintenance of echocardiography equipment. <i>Journal of Echocardiography</i> , 2015, 13, 1-5.	0.8	34
14	Efficacy and Accuracy of Novel Automated Mitral Valve Quantification: Three-Dimensional Transesophageal Echocardiographic Study. <i>Echocardiography</i> , 2016, 33, 756-763.	0.9	32
15	Quantitative measurement of mitral valve coaptation in functional mitral regurgitation: In vivo experimental study by real-time three-dimensional echocardiography. <i>Journal of Cardiology</i> , 2009, 53, 94-101.	1.9	30
16	Guideline from Japanese Society of Echocardiography: 2018 focused update incorporated into Guidance for the Management and Maintenance of Echocardiography Equipment. <i>Journal of Echocardiography</i> , 2018, 16, 1-5.	0.8	29
17	Isolated right ventricular takotsubo cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 285-285.	1.2	28
18	Prognostic Value of BNP Reduction During Hospitalization in Patients With Acute Heart Failure. <i>Journal of Cardiac Failure</i> , 2019, 25, 712-721.	1.7	28

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19	Systemic inflammation and left atrial thrombus in patients with non-rheumatic atrial fibrillation. <i>Journal of Cardiology</i> , 2010, 56, 118-124.	1.9	27
20	Social isolation is associated with 90-day rehospitalization due to heart failure. <i>European Journal of Cardiovascular Nursing</i> , 2019, 18, 16-20.	0.9	25
21	A comparison between 40MHz intravascular ultrasound iMap imaging system and integrated backscatter intravascular ultrasound. <i>Journal of Cardiology</i> , 2013, 61, 149-154.	1.9	21
22	Assessment of Atrial Synchrony in Paroxysmal Atrial Fibrillation and Impact of Pulmonary Vein Isolation for Atrial Dyssynchrony and Global Strain by Three-Dimensional Strain Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1193-1199.	2.8	20
23	Clinical Implication of Energy Loss Coefficient in Patients With Severe Aortic Stenosis Diagnosed by Doppler Echocardiography. <i>Circulation Journal</i> , 2008, 72, 1265-1269.	1.6	19
24	Target Lesion Thin-Cap Fibroatheroma Defined by Virtual Histology Intravascular Ultrasound Affects Microvascular Injury During Percutaneous Coronary Intervention in Patients With Angina Pectoris. <i>Circulation Journal</i> , 2010, 74, 1658-1662.	1.6	18
25	Recurrence of Cervical Carcinoma Manifesting as Cardiac Metastasis Three Years after Curative Resection. <i>American Journal of the Medical Sciences</i> , 2004, 328, 167-169.	1.1	17
26	Portopulmonary Hypertension Associated with Congenital Absence of the Portal Vein Treated with Bosentan. <i>Internal Medicine</i> , 2009, 48, 597-600.	0.7	17
27	Cholesterol Embolization Treated with Corticosteroids. <i>Angiology</i> , 2005, 56, 497-501.	1.8	15
28	A Case of Stroke due to Tumor Emboli Associated with Metastatic Cardiac Liposarcoma. <i>Internal Medicine</i> , 2011, 50, 1489-1491.	0.7	13
29	Visualization of Coronary Plaque Vasa Vasorum by Intravascular Ultrasound. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 985.	2.9	12
30	Comparison of quantitative measurements between two different intravascular ultrasound systems: In vitro and in vivo studies. <i>Journal of Cardiology</i> , 2013, 61, 201-205.	1.9	11
31	Prediction of Congestive Heart Failure in Patients with Non Valvular Atrial Fibrillation. <i>Internal Medicine</i> , 2014, 53, 7-12.	0.7	10
32	Residual Mitral Regurgitation After Repair for Posterior Leaflet Prolapse—Importance of Preoperative Anterior Leaflet Tethering. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	10
33	Evaluation of Coronary Endothelial Function by Catheter-Type NO Sensor in High-Fat-Diet-Induced Obese Dogs. <i>Circulation Journal</i> , 2009, 73, 562-567.	1.6	9
34	Multiple Unfavorable Echocardiographic Findings in Takotsubo Cardiomyopathy Are Associated with Increased In-Hospital Events and Mortality. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 1179-1187.	2.8	9
35	Prolapse Volume to Prolapse Height Ratio for Differentiating Barlow's Disease From Fibroelastic Deficiency. <i>Circulation Journal</i> , 2017, 81, 1730-1735.	1.6	9
36	Exercise stress echocardiogram for the evaluation of change in the ventricular-arterial interaction after thoracic endovascular aortic repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 632-638.	1.4	9

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37	Impact of Energy Loss Coefficient on Left Ventricular Mass Regression in Patients Undergoing Aortic Valve Replacement: Preliminary Observation. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 454-457.	2.8	7
38	Impact of energy loss index on left ventricular mass regression after aortic valve replacement. <i>Journal of Echocardiography</i> , 2014, 12, 51-58.	0.8	7
39	Guidelines for conducting transesophageal echocardiography (TEE). <i>Journal of Echocardiography</i> , 2016, 14, 47-48.	0.8	7
40	Physiological and prognostic differences between types of exercise stress echocardiography for functional mitral regurgitation. <i>Open Heart</i> , 2021, 8, e001583.	2.3	7
41	Quantitative measurements of aortic valve coaptation by three-dimensional transesophageal echocardiography in patients with aortic regurgitation without primary leaflet disease. <i>Journal of Echocardiography</i> , 2010, 8, 7-13.	0.8	6
42	Coronary microvascular endothelial function deteriorates late (12 months) after sirolimus-eluting stent implantation. <i>Journal of Cardiology</i> , 2010, 56, 229-235.	1.9	4
43	A Case of Platypnea Orthodeoxia Syndrome: A Persistent History Taking was the Key to the Diagnosis. <i>Internal Medicine</i> , 2012, 51, 1701-1704.	0.7	4
44	Feasibility of a novel atrioventricular delay optimization method using transmitral and pulmonary venous flow in patients with sequential ventricular pacing or cardiac resynchronization therapy. <i>Journal of Echocardiography</i> , 2015, 13, 52-58.	0.8	4
45	Surgical as Opposed to Transcatheter Aortic Valve Replacement Improves Basal Interventricular Septal Hypertrophy. <i>Circulation Journal</i> , 2018, 82, 2887-2895.	1.6	4
46	Dyspnea During In-Hospital Rehabilitation as a Predictor of Rehospitalization and Mortality in Patients With Acute Heart Failure. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2019, 39, E24-E27.	2.1	4
47	Impact of type and size of annuloplasty prosthesis on hemodynamic status after mitral valve repair for degenerative disease. <i>IJC Heart and Vasculature</i> , 2020, 28, 100517.	1.1	4
48	Clinical impact of the repair technique for posterior mitral leaflet prolapse: Resect or respect?. <i>Journal of Cardiac Surgery</i> , 2021, 36, 971-977.	0.7	4
49	Impaired coronary flow reserve in obstructive sleep apnea and its improvement after continuous positive airway pressure therapy: a transthoracic Doppler echocardiographic study. <i>Journal of Echocardiography</i> , 2011, 9, 59-63.	0.8	3
50	Quantification of mitral valve apparatus by three-dimensional transesophageal echocardiography: in vitro validation study comparing two different analysis systems. <i>Journal of Echocardiography</i> , 2011, 9, 130-136.	0.8	3
51	Visualization of Submitral Structure by Three-dimensional Transesophageal Echocardiography. <i>Echocardiography</i> , 2013, 30, 945-951.	0.9	3
52	Transprosthetic Cuff Leakage of a Bovine Pericardial Aortic Bioprosthesis. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 773-779.	0.6	3
53	Calcified plaque ablated by rotational atherectomy visualised by optical coherence tomography. <i>EuroIntervention</i> , 2015, 11, e1-e1.	3.2	3
54	Relations of Augmented Systolic Annular Expansion and Leaflet/Papillary Muscle Dynamics in Late-Systolic Mitral Valve Prolapse Evaluated by Echocardiography with a Speckle Tracking Analysis. <i>International Heart Journal</i> , 2020, 61, 970-978.	1.0	3

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55	Sinus of Valsalva dilates disproportionately in aortic root aneurysm with moderate to severe aortic regurgitation: quantitative assessment by transesophageal echocardiography. <i>Journal of Echocardiography</i> , 2009, 7, 41-47.	0.8	2
56	Analysis of Piston Slap Induced Noise and Vibration of Internal Combustion Engine : Effect of Piston Profile and Pin Offset. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 2009, 75, 256-261.	0.2	2
57	Relation between progression of aortic valve sclerosis and carotid intima-media thickening in asymptomatic subjects with cardiovascular risk factors. <i>Journal of Echocardiography</i> , 2010, 8, 87-93.	0.8	2
58	Diagnosis of Myocardial Viability by Fluorodeoxyglucose Distribution at the Border Zone of a Low Uptake Region. <i>Yonsei Medical Journal</i> , 2010, 51, 178.	2.2	2
59	Visit-to-Visit B-Type Natriuretic Peptide Variability during the Previous Year Has Independent Prognostic Value in Patients with Stable Chronic Heart Failure. <i>Cardiology</i> , 2019, 143, 92-99.	1.4	2
60	Intraoperative coronary angiography and fractional flow reserve measurement with dobutamine infusion in supra-arterial myotomy for a myocardial bridge: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab268.	0.6	2
61	Heart Failure with Masked Atrial Contraction Detected on Echocardiography. <i>Journal of Cardiovascular Imaging</i> , 2020, 28, 152.	0.7	2
62	A unique feature of thin flat thrombus visualised by optical coherence tomography. <i>EuroIntervention</i> , 2013, 9, 1008-1008.	3.2	2
63	A rare case of impending paradoxical embolism with a complex patent foramen ovale. <i>Journal of Echocardiography</i> , 2012, 10, 138-140.	0.8	1
64	The Change of Cardiovascular Function after Total Arch Replacement (TAR) or Thoracic Endovascular Aortic Repair (TEVAR) for Thoracic Aortic Aneurysm. <i>Journal of Cardiac Failure</i> , 2016, 22, S168.	1.7	1
65	Potential mechanism of left ventricular spherical remodeling: association of mitral valve complex-myocardium longitudinal tissue remodeling mismatch. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H694-H704.	3.2	1
66	Flow adjusted transmitral pressure gradient as a modified indicator of functional mitral stenosis after repair for degenerative mitral regurgitation. <i>Journal of Cardiac Surgery</i> , 2022, , .	0.7	1
67	Clinical Implication of Energy Loss Coefficient in Patients With Severe Aortic Stenosis Diagnosed by Doppler Echocardiography. <i>Circulation Journal</i> , 2008, 72, 1723.	1.6	0
68	Assessment of Ischemic Mitral Regurgitation by Three-dimensional Echocardiography. <i>Journal of Cardiac Failure</i> , 2010, 16, S137.	1.7	0
69	Hinge Motion and Excessive Negative Remodeling as a Cause of Early Saphenous Vein Graft Failure. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, e15-e16.	2.9	0
70	Leaflet Remodeling in Functional Mitral Regurgitation. <i>Journal of Cardiac Failure</i> , 2016, 22, S183.	1.7	0
71	Jugular Venous Pulsation in the Sitting Position is A Marker of Elevated Central Venous Pressure. <i>Journal of Cardiac Failure</i> , 2016, 22, S211.	1.7	0
72	Kussmaul Sign Caused by Non-physiological VVI Pacing. <i>Journal of Cardiac Failure</i> , 2017, 23, S33.	1.7	0

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73	Paravalvular leakages between sewing cuffs after the second surgery for double valve replacement: evaluation by three-dimensional color-Doppler transesophageal echocardiography. <i>Journal of Echocardiography</i> , 2018, 16, 52-53.	0.8	0
74	Kussmaul's sign due to right ventricular pacing completely disappeared after atrial pacing. <i>BMJ Case Reports</i> , 2018, 11, e228041.	0.5	0
75	Rotational atherectomy facilitates percutaneous transluminal septal myocardial ablation in calcific left anterior descending artery. <i>Cardiovascular Intervention and Therapeutics</i> , 2020, 35, 419-420.	2.3	0
76	Atrial conduction delay detected and managed by echocardiography. <i>Journal of Echocardiography</i> , 2022, 20, 62-63.	0.8	0
77	Stepwise mitral valve repair for Barlow's disease via a minimally invasive approach. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1471-1476.	0.7	0
78	A Case of Aneurysmal Coronary Artery Fistula to Left Ventricle. <i>Journal of Cardiovascular Imaging</i> , 2021, 29, 179.	0.7	0
79	Repeated catheter ablation induced intra-atrial conduction delay mimicking atrial stiffness syndrome. <i>Health Science Reports</i> , 2021, 4, e294.	1.5	0
80	How to evaluate the severity of aortic stenosis: discrepancy between valve area and pressure gradient. <i>Choonpa Igaku</i> , 2013, 40, 473-483.	0.0	0