Masaaki Takeuchi

List of Publications by Year
in descending order

121	4,693	147566	102304
papers	citations	31 h-index	66 g-index

123	123	123	5497
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Left atrial strain: An option to facilitate classification of diastolic dysfunction grade?. International Journal of Cardiology, 2022, , .	0.8	0
2	Normal ranges of left atrial volumes and ejection fraction by 3D echocardiography in adults: a systematic review and meta-analysis. International Journal of Cardiovascular Imaging, 2022, 38, 1329-1340.	0.7	6
3	Prognostic Value of Right Ventricular Strains Using Novel Three-Dimensional Analytical Software in Patients With Cardiac Disease. Frontiers in Cardiovascular Medicine, 2022, 9, 837584.	1.1	14
4	Automated Global Longitudinal Strain Exhibits a Robust Association with Death in Asymptomatic Chronic Aortic Regurgitation. Journal of the American Society of Echocardiography, 2022, 35, 692-702.e8.	1.2	7
5	Comparison Between Bicuspid and Tricuspid Aortic Regurgitation. JACC Asia, 2022, 2, 476-486.	0.5	4
6	Brain natriuretic peptide measurements using standard biochemical equipment: Comparisons with conventional immunoassays. PLoS ONE, 2022, 17, e0268895.	1.1	0
7	Temporal changes in spike IgG levels after two doses of BNT162b2 vaccine in Japanese healthcare workers: Do spike IgG levels at 3 months predict levels 6 or 8 months after vaccination?. PLoS ONE, 2022, 17, e0263486.	1.1	0
8	Association of Echocardiographic Left Ventricular End-Systolic Volume and Volume-Derived Ejection Fraction With Outcome in Asymptomatic Chronic Aortic Regurgitation. JAMA Cardiology, 2021, 6, 189.	3.0	27
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.	1.2	0
10	Prognostic Value of the Right Ventricular Ejection Fraction, Assessed by Fully Automated Three-Dimensional Echocardiography: A Direct Comparison of Analyses Using Right Ventricularâ€"Focused Views versus Apical Four-Chamber Views. Journal of the American Society of Echocardiography, 2021, 34, 117-126.	1.2	21
11	Does reactogenicity after a second injection of the BNT162b2 vaccine predict spike IgG antibody levels in healthy Japanese subjects?. PLoS ONE, 2021, 16, e0257668.	1.1	33
12	Prognostic value of the left ventricular - left atrial volume ratio assessed using three-dimensional echocardiography with fully automated analytical software. Journal of Cardiology, 2021, 78, 406-412.	0.8	2
13	Right ventricular branch compromise after percutaneous coronary intervention and baseline chronic kidney disease: A high-risk combination associated with long-term prognoses in acute inferior myocardial infarction. Journal of Cardiology, 2021, 78, 463-470.	0.8	0
14	Prognostic value of automated longitudinal strain measurements in asymptomatic aortic stenosis. Heart, 2021, 107, 578-584.	1.2	8
15	Prognostic Value of the Three-Dimensional Right Ventricular Ejection Fraction in Patients With Asymptomatic Aortic Stenosis. Frontiers in Cardiovascular Medicine, 2021, 8, 795016.	1.1	6
16	Development and prognostic validation of partition values to grade right ventricular dysfunction severity using 3D echocardiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 10-21.	0.5	60
17	Optimal timing of echocardiography for heart failure inpatients in Japanese institutions: OPTIMAL Study. ESC Heart Failure, 2020, 7, 4213-4221.	1.4	4
18	Prediction of cardiac events using fully automated GLS and BNP titers in patients with known or suspected heart failure. PLoS ONE, 2020, 15, e0234294.	1.1	3

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19	Mitral Valve Prolapse Patients with Less than Moderate Mitral Regurgitation Exhibit Early Cardiac Chamber Remodeling. Journal of the American Society of Echocardiography, 2020, 33, 815-825.e2.	1.2	20
20	A review of current trends in three-dimensional analysis of left ventricular myocardial strain. Cardiovascular Ultrasound, 2020, 18, 23.	0.5	29
21	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.	1.2	45
22	Estimation of B-type Natriuretic Peptide Values from N-Terminal proBNP Levels. Journal of UOEH, 2020, 42, 1-12.	0.3	4
23	Accuracy of Left Ventricular Volumes and Ejection Fraction Measurements by Contemporary Three-Dimensional Echocardiography with Semi- and Fully Automated Software: Systematic Review and Meta-Analysis of 1,881 Subjects. Journal of the American Society of Echocardiography, 2019, 32, 1105-1115.e5.	1.2	21
24	Impact of a training program incorporating cardiac magnetic resonance imaging on the accuracy and reproducibility of two-dimensional echocardiographic measurements of left ventricular volumes and ejection fraction. Cardiovascular Ultrasound, 2019, 17, 23.	0.5	0
25	Accuracy and reliability of novel semi-automated two-dimensional layer specific speckle tracking software for quantifying left ventricular volumes and function. PLoS ONE, 2019, 14, e0221204.	1.1	5
26	Optimal Number of Heartbeats Required for Representing Left Chamber Volumes and Function in Patients with Rate-Controlled Atrial Fibrillation. Journal of the American Society of Echocardiography, 2019, 32, 495-502.e3.	1.2	1
27	Optimal threshold of three-dimensional echocardiographic fully automated software for quantification of left ventricular volumes and ejection fraction: Comparison with cardiac magnetic resonance disk-area summation method and feature tracking method. PLoS ONE, 2019, 14, e0211154.	1.1	4
28	Effect of Left Ventricular Reverse Remodeling on Long-term Outcomes After Aortic Valve Replacement. American Journal of Cardiology, 2019, 124, 105-112.	0.7	19
29	Insights into the mechanism of paradoxical low-flow, low-pressure gradient severe aortic stenosis: association with reduced O2 consumption by the whole body. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H840-H848.	1.5	2
30	Usefulness of Cibenzoline Stress Echocardiography to Determine Severity of Aortic Stenosis in a Patient with Combined Left Ventricular Outflow Tract Obstruction and Aortic Stenosis. Journal of UOEH, 2019, 41, 343-349.	0.3	2
31	Left ventricular and left atrial volume ratio assessed by threeâ€dimensional echocardiography: Novel indices for evaluating ageâ€related change in left heart chamber size. Physiological Reports, 2019, 7, e14300.	0.7	7
32	Distribution and Prognostic Significance of Left Ventricular Global Longitudinal Strain in Asymptomatic Significant AorticÂStenosis. JACC: Cardiovascular Imaging, 2019, 12, 84-92.	2.3	178
33	Symptomatic paradoxical low gradient severe aortic stenosis: A possible link to heart failure with preserved ejection fraction. Journal of Cardiology, 2019, 73, 536-543.	0.8	6
34	Prognostic Value of Energy Loss Coefficient for Predicting Asymptomatic Aortic Stenosis Outcomes: Direct Comparison With Aortic Valve Area. Journal of the American Society of Echocardiography, 2019, 32, 351-358.e3.	1.2	8
35	Possible mechanism of late systolic mitral valve prolapse: systolic superior shift of leaflets secondary to annular dilatation that causes papillary muscle traction. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H629-H638.	1.5	14
36	Advanced Assessment of the Left Ventricle. , 2019, , 73-86.		0

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37	Prognostic value of area of calcified aortic valve by 2-dimensional echocardiography in asymptomatic severe aortic stenosis patients with preserved left ventricular ejection fraction. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	
38	Three-dimensional echocardiographic quantification of the left-heart chambers using an automated adaptive analytics algorithm: multicentre validation study. European Heart Journal Cardiovascular Imaging, 2018, 19, 47-58.	0.5	91
39	Timing on echocardiography and blood laboratory test is important for future outcome association in hospitalized heart failure patients. Journal of Cardiology, 2018, 71, 71-80.	0.8	9
40	Lower limit of normality and clinical relevance of left ventricular early diastolic strain rate for the detection of left ventricular diastolic dysfunction. European Heart Journal Cardiovascular Imaging, 2018, 19, 905-915.	0.5	22
41	Echocardiographic assessment of right ventricular systolic function. Cardiovascular Diagnosis and Therapy, 2018, 8, 70-79.	0.7	25
42	Relations of Vitamin D Status With B-Type Natriuretic Peptide Levels and the Risk of Cardiac Events in Japanese Subjects With Heart Failure. Journal of Cardiac Failure, 2018, 24, 803-805.	0.7	3
43	Direct Comparison of Severity Grading Assessed by Two-Dimensional, Three-Dimensional, and Doppler Echocardiography for Predicting Prognosis in Asymptomatic Aortic Stenosis. Journal of the American Society of Echocardiography, 2018, 31, 1080-1090.e3.	1.2	3
44	Application of left ventricular strain to patients with coronary artery disease. Current Opinion in Cardiology, 2018, 33, 464-469.	0.8	7
45	Impact of image quality on reliability of the measurements of left ventricular systolic function and global longitudinal strain in 2D echocardiography. Journal of Animal Science and Technology, 2018, 5, 28-39.	0.8	33
46	Prognostic implications in patients with symptomatic aortic stenosis and preserved ejection fraction: Japanese multicenter aortic stenosis, retrospective (JUST-R) registry. Journal of Cardiology, 2017, 69, 110-118.	0.8	7
47	Normal range and usefulness of right ventricular systolic strain to detect subtle right ventricular systolic abnormalities in patients with heart failure: a multicentre study. European Heart Journal Cardiovascular Imaging, 2017, 18, 212-223.	0.5	126
48	Authors' Reply. Journal of the American Society of Echocardiography, 2017, 30, 300-302.	1.2	0
49	Prognostic Value of Right Ventricular Ejection Fraction Assessed by Transthoracic 3D Echocardiography. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	123
50	Strain Imaging with a Bull's-Eye Map for Detecting Significant Coronary Stenosis during Dobutamine Stress Echocardiography. Journal of the American Society of Echocardiography, 2017, 30, 159-167.e1.	1.2	22
51	Effects of vitamin K antagonist on aortic valve degeneration in non-valvular atrial fibrillation patients: Prospective 4-year observational study. Thrombosis Research, 2017, 160, 69-75.	0.8	16
52	Three-Dimensional Echocardiographic Automated Quantification of Left Heart Chamber Volumes Using an Adaptive Analytics Algorithm: Feasibility and Impact of Image Quality in Nonselected Patients. Journal of the American Society of Echocardiography, 2017, 30, 879-885.	1.2	59
53	Ventricular-Arterial Coupling and Exercise-Induced Pulmonary Hypertension During Low-Level Exercise in Heart Failure With Preserved or Reduced Ejection Fraction. Journal of Cardiac Failure, 2017, 23, 216-220.	0.7	22
54	Prognostic value of biventricular mechanical parameters assessed using cardiac magnetic resonance featureâ€tracking analysis to predict future cardiac events. Journal of Magnetic Resonance Imaging, 2017, 45, 1034-1045.	1.9	15

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55	Normal range of myocardial layer-specific strain using two-dimensional speckle tracking echocardiography. PLoS ONE, 2017, 12, e0180584.	1.1	74
56	Three-Dimensional Echocardiography: Current Status and Real-Life Applications. Acta Cardiologica Sinica, 2017, 33, 107-118.	0.1	25
57	Transthoracic 3D Echocardiographic LeftÂHeart Chamber Quantification UsingÂan Automated Adaptive AnalyticsÂAlgorithm. JACC: Cardiovascular Imaging, 2016, 9, 769-782.	2.3	171
58	Cumulative Burden of Myocardial Dysfunction in Cardiac Amyloidosis Assessed Using Four-Chamber Cardiac Strain. Journal of the American Society of Echocardiography, 2016, 29, 1092-1099.e2.	1.2	22
59	Three-Dimensional Echocardiographic Assessment of Left Heart Chamber Size and Function with Fully Automated Quantification Software in Patients with Atrial Fibrillation. Journal of the American Society of Echocardiography, 2016, 29, 955-965.	1.2	60
60	Relation Between Echocardiogram-Based Cardiac Parameters and Outcome in Heart Failure With Preserved and Reduced Ejection Fraction. American Journal of Cardiology, 2016, 118, 1356-1362.	0.7	20
61	Coronary Artery Imaging with Transthoracic Doppler Echocardiography. Current Cardiology Reports, 2016, 18, 63.	1.3	10
62	Basal Left Ventricular Dilatation and Reduced Contraction in Patients With Mitral Valve Prolapse Can Be Secondary to Annular Dilatation. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	25
63	Feasibility of One-Beat Real-Time Full-Volume Three-Dimensional Echocardiography for Assessing Left Ventricular Volumes and Deformation Parameters. Journal of the American Society of Echocardiography, 2016, 29, 853-860.e2.	1.2	23
64	Reliability of Aortic Stenosis Severity Classified by 3-Dimensional Echocardiography in the Prediction of Cardiovascular Events. American Journal of Cardiology, 2016, 118, 410-417.	0.7	9
65	Simultaneous Longitudinal Strain in All 4 Cardiac Chambers. Circulation: Cardiovascular Imaging, 2016, 9, e003895.	1.3	28
66	Monitoring Ionizing Radiation Exposure for Cardiotoxic Effects of Breast Cancer Treatment. American Journal of Cardiology, 2016, 117, 1678-1682.	0.7	1
67	Normal Values of Left Ventricular Mass Index Assessed by Transthoracic Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2016, 29, 51-61.	1.2	57
68	Direct comparison of cardiac magnetic resonance feature tracking and 2D/3D echocardiography speckle tracking for evaluation of global left ventricular strain. European Heart Journal Cardiovascular Imaging, 2016, 17, 525-532.	0.5	109
69	Reply. JACC: Cardiovascular Imaging, 2015, 8, 230-231.	2.3	0
70	Prognostic Value of LV Deformation Parameters Using 2D and 3D Speckle-Tracking Echocardiography in Asymptomatic Patients With Severe AorticÂStenosis and Preserved LVÂEjection Fraction. JACC: Cardiovascular Imaging, 2015, 8, 235-245.	2.3	116
71	Intervendor Variability of Two-Dimensional Strain Using Vendor-Specific and Vendor-Independent Software. Journal of the American Society of Echocardiography, 2015, 28, 630-641.	1.2	141
72	Prognostic value of paradoxical low-gradient severe aortic stenosis in Japan: Japanese Multicenter Aortic Stenosis Study, Retrospective (JUST-R) Registry. Journal of Cardiology, 2015, 65, 360-368.	0.8	27

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73	Assessment of the Developmental Change in the Left Atrial Volume Using Real Time Threeâ€Dimensional Echocardiography. Echocardiography, 2015, 32, 1131-1139.	0.3	7
74	Different characteristics of heart failure due to pump failure and bradyarrhythmia. Journal of Echocardiography, 2015, 13, 27-34.	0.4	7
75	Normal values and clinical relevance of left atrial myocardial function analysed by speckle-tracking echocardiography: multicentre study. European Heart Journal Cardiovascular Imaging, 2015, 16, 364-372.	0.5	178
76	Current status of stress echocardiography: is it a required procedure for every sonographer?. Journal of Echocardiography, 2014, 12, 129-137.	0.4	0
77	Calcific extension towards the mitral valve causes non-rheumatic mitral stenosis in degenerative aortic stenosis: real-time 3D transoesophageal echocardiography study. Open Heart, 2014, 1, e000136.	0.9	24
78	Plasma Levels of Nitric Oxide Metabolites Are Markedly Reduced in Normotensive Men With Electrocardiographically Determined Left Ventricular Hypertrophy. Hypertension, 2014, 64, 516-522.	1.3	8
79	Aortic Root Geometry in Patients with Aortic Stenosis Assessed by Real-Time Three-Dimensional Transesophageal Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 32-41.	1.2	24
80	Age-Related Normal Range of Left Ventricular Strain and Torsion Using Three-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 55-64.	1.2	149
81	Redefining Diastolic Dysfunction Grading. JACC: Cardiovascular Imaging, 2014, 7, 749-758.	2.3	38
82	Multidirectional Global Left Ventricular Systolic Function in Normal Subjects and Patients with Hypertension: Multicenter Evaluation. Journal of the American Society of Echocardiography, 2014, 27, 493-500.	1.2	50
83	Prognostic Value of Global Longitudinal Strain in Paradoxical Low-Flow, Low-Gradient Severe Aortic Stenosis With Preserved Ejection Fraction. Circulation Journal, 2014, 78, 2750-2759.	0.7	51
84	Prognostic Value of LA Volumes Assessed by Transthoracic 3D Echocardiography. JACC: Cardiovascular Imaging, 2013, 6, 1025-1035.	2.3	89
85	Successful coronary intervention for spontaneous coronary dissection in a patient with fibromuscular dysplasia. Journal of Cardiology Cases, 2013, 8, 158-160.	0.2	5
86	Normal Range of Left Ventricular 2-Dimensional Strain. Circulation Journal, 2012, 76, 2623-2632.	0.7	244
87	Measurement of Left Atrial Volume from Transthoracic Three-Dimensional Echocardiographic Datasets Using the Biplane Simpsonâ€™s Technique. Journal of the American Society of Echocardiography, 2012, 25, 1319-1326.	1.2	50
88	Development of Lower Loop Reentrant Atrial Tachycardia in a Patient Late after Surgical Operation of Multiple Rightâ€sided Accessory Pathways. Journal of Arrhythmia, 2011, 27, 220-225.	0.5	0
89	Current and Evolving Echocardiographic Techniques for the Quantitative Evaluation of Cardiac Mechanics: ASE/EAE Consensus Statement on Methodology and Indications. Journal of the American Society of Echocardiography, 2011, 24, 277-313.	1.2	1,026
90	Comparison of acute and chronic impact of adaptive servoâ€ventilation on left chamber geometry and function in patients with chronic heart failure. European Journal of Heart Failure, 2011, 13, 1140-1146.	2.9	82

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91	Characterization of Degenerative Mitral Valve Disease Using Morphologic Analysis of Real-Time Three-Dimensional Echocardiographic Images. Circulation: Cardiovascular Imaging, 2011, 4, 24-32.	1.3	153
92	Assessment of the Aortic Root Using Real-Time 3D Transesophageal Echocardiography. Circulation Journal, 2010, 74, 2649-2657.	0.7	87
93	Pitfalls of anatomical aortic valve area measurements using two-dimensional transoesophageal echocardiography and the potential of three-dimensional transoesophageal echocardiography. European Journal of Echocardiography, 2010, 11, 369-376.	2.3	46
94	Continuous positive airway pressure ameliorates sleep-induced subclinical left ventricular systolic dysfunction: demonstration by two-dimensional speckle-tracking echocardiography. European Journal of Echocardiography, 2010, 11, 352-358.	2.3	30
95	Evaluation of left ventricular function using left ventricular twist and torsion parameters. Current Cardiology Reports, 2009, 11, 225-230.	1.3	42
96	Assessment of left ventricular torsion using speckle tracking echocardiography. Current Cardiovascular Imaging Reports, 2009, 2, 356-362.	0.4	1
97	Comparison of usefulness of the wall thickness of the left anterior descending coronary artery, determined by transthoracic echocardiography, and carotid intima-media thickness in predicting multivessel coronary artery disease. Journal of Echocardiography, 2009, 7, 2-8.	0.4	5
98	Tornado-like appearance of spontaneous echo contrast assessed by real-time 3D transesophageal echocardiography. Journal of Echocardiography, 2009, 7, 37-38.	0.4	0
99	Assessment of atrial septal defect size and residual rim using real-time 3D transesophageal echocardiography. Journal of Echocardiography, 2009, 7, 48-54.	0.4	2
100	Echocardiographic assessment of coronary flow velocity and coronary flow velocity reserve in ischemic cardiac disease. Current Cardiovascular Imaging Reports, 2008, 1, 49-57.	0.4	0
101	Measurement of Left Ventricular Mass by Real-Time Three-Dimensional Echocardiography: Validation Against Magnetic Resonance and Comparison with Two-Dimensional and M-Mode Measurements. Journal of the American Society of Echocardiography, 2008, 21, 1001-1005.	1.2	101
102	Age and body surface area dependency of mitral valve and papillary apparatus parameters: assessment by real-time three-dimensional echocardiography. European Journal of Echocardiography, 2008, 10, 287-294.	2.3	58
103	Reply to Letter Regarding Article, "Subclinical Left Ventricular Longitudinal Systolic Dysfunction in Hypertension With No Evidence of Heart Failure". Circulation Journal, 2008, 72, 1038-1039.	0.7	0
104	Mechanism of Ischemic Mitral Regurgitation. Journal of Cardiovascular Imaging, 2008, 16, 1.	0.8	3
105	Assessment of Left Ventricular Dyssynchrony in Myocardial Infarction Using 2D Speckle Tracking Imaging. Journal of Echocardiography, 2008, 6, 109-118.	0.4	2
106	Different Mechanisms of Ischemic Mitral Regurgitation in Patients With Inferior and Anterior Myocardial Infarction. Journal of Echocardiography, 2008, 6, 74-83.	0.4	5
107	The Effect of the Atrioventricular Interval During Atrioventricular Sequential Pacing on the Hemodynamics in Dynamic Obstruction of the Left Ventricular Outflow Tract in Dogs. Japanese Circulation Journal, 2000, 64, 267-275.	1.0	2
108	Alteration of coronary flow velocity during spontaneous angina in a patient with microvascular angina. Catheterization and Cardiovascular Interventions, 2000, 50, 63-67.	0.7	5

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109	Paradoxical increase in coronary flow velocity after termination of acetylcholine infusion is a marker of the impaired vasodilatation at coronary microvessels in patients with angina and normal coronary arteries. Catheterization and Cardiovascular Interventions, 1999, 48, 170-177.	0.7	2
110	Does coronary stenting following balloon angioplasty improve myocardial fractional flow reserve?. CardioVascular and Interventional Radiology, 1998, 21, 459-463.	0.9	1
111	Effect of Atrioventricular Sequential Pacing on Left Ventricular Flow Dynamics in a Patient with Mid-Ventricular Obstruction. PACE - Pacing and Clinical Electrophysiology, 1998, 21, 1299-1302.	0.5	2
112	Persistence of recruitable coronary collaterals in the absence of coronary vasospasm in a patient with variant angina. CardioVascular and Interventional Radiology, 1998, 21, 249-251.	0.9	1
113	Echocardiographic Detection of Two Distinct Left Ventricular Pseudoaneurysms After Mitral Valve Replacement. Echocardiography, 1997, 14, 267-269.	0.3	0
114	Effect of aortic valve replacement on coronary flow velocity during metabolic stress in a patient with aortic stenosis. , 1997, 40, 287-290.		3
115	Comparative effects of dobutamine and amrinone on coronary blood flow in patients with idiopathic dilated cardiomyopathy. , 1997, 41, 157-163.		4
116	Acute myocardial infarction in a patient during dobutamine stress echocardiography. , 1997, 41, 404-406.		8
117	Coronary angioplasty of a severe coronary stenosis at the site of a myocardial bridge. , 1997, 41, 416-420.		6
118	Measurement of myocardial fractional flow reserve during coronary angioplasty in patients with old myocardial infarction. , 1997, 42, 19-25.		5
119	Does coronary flow reserve assessed by blood flow velocity analysis reflect absolute coronary flow reserve?. , 1996, 38, 251-254.		11
120	Intracoronary papaverine induced myocardial lactate production in patients with angiographically normal coronary arteries. , 1996, 39, 126-130.		3
121	Effect of Dual Chamber Atrioventricular Sequential Pacing on Coronary Flow Velocity in a Patient with Hypertrophic Obstructive Cardiomyopathy. PACE - Pacing and Clinical Electrophysiology, 1996, 19, 2153-2155.	0.5	1