

Paul Steendijk

List of Publications by Year in descending order

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242
papers

14,576
citations

26630

56
h-index

21540

114
g-index

251
all docs

251
docs citations

251
times ranked

11180
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Posterolateral Scar Tissue on Clinical and Echocardiographic Improvement After Cardiac Resynchronization Therapy. <i>Circulation</i> , 2006, 113, 969-976.	1.6	1,115
2	Left ventricular dyssynchrony predicts response and prognosis after cardiac resynchronization therapy. <i>Journal of the American College of Cardiology</i> , 2004, 44, 1834-1840.	2.8	968
3	Utility of Doppler Echocardiography and Tissue Doppler Imaging in the Estimation of Diastolic Function in Heart Failure With Normal Ejection Fraction. <i>Circulation</i> , 2007, 116, 637-647.	1.6	917
4	Cardiac Inflammation Contributes to Changes in the Extracellular Matrix in Patients With Heart Failure and Normal Ejection Fraction. <i>Circulation: Heart Failure</i> , 2011, 4, 44-52.	3.9	493
5	Exenatide Reduces Infarct Size and Improves Cardiac Function in a Porcine Model of Ischemia and Reperfusion Injury. <i>Journal of the American College of Cardiology</i> , 2009, 53, 501-510.	2.8	422
6	Role of Left Ventricular Stiffness in Heart Failure With Normal Ejection Fraction. <i>Circulation</i> , 2008, 117, 2051-2060.	1.6	403
7	Left ventricular dyssynchrony predicts benefit of cardiac resynchronization therapy in patients with end-stage heart failure before pacemaker implantation. <i>American Journal of Cardiology</i> , 2003, 92, 1238-1240.	1.6	401
8	Relationship Between QRS Duration and Left Ventricular Dyssynchrony in Patients with End-Stage Heart Failure. <i>Journal of Cardiovascular Electrophysiology</i> , 2004, 15, 544-549.	1.7	364
9	Impact of viability and scar tissue on response to cardiac resynchronization therapy in ischaemic heart failure patients. <i>European Heart Journal</i> , 2006, 28, 33-41.	2.2	359
10	Magnetic Resonance Imaging Analysis of Right Ventricular Pressure-Volume Loops. <i>Circulation</i> , 2004, 110, 2010-2016.	1.6	341
11	Heart Failure With Preserved Ejection Fraction Is Characterized by Dynamic Impairment of Active Relaxation and Contraction of the Left Ventricle on Exercise and Associated With Myocardial Energy Deficiency. <i>Journal of the American College of Cardiology</i> , 2009, 54, 402-409.	2.8	266
12	Optimizing Hemodynamics in Heart Failure Patients by Systematic Screening of Left Ventricular Pacing Sites. <i>Journal of the American College of Cardiology</i> , 2010, 55, 566-575.	2.8	248
13	Cardiac Resynchronization Therapy in Patients With a Narrow QRS Complex. <i>Journal of the American College of Cardiology</i> , 2006, 48, 2243-2250.	2.8	234
14	Comparison of response to cardiac resynchronization therapy in patients with sinus rhythm versus chronic atrial fibrillation. <i>American Journal of Cardiology</i> , 2004, 94, 1506-1509.	1.6	199
15	Usefulness of myocardial tissue Doppler echocardiography to evaluate left ventricular dyssynchrony before and after biventricular pacing in patients with idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , 2003, 91, 94-97.	1.6	196
16	Validation and reproducibility of aortic pulse wave velocity as assessed with velocity-encoded MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 521-526.	3.4	181
17	QRS Duration and Shortening to Predict Clinical Response to Cardiac Resynchronization Therapy in Patients with End-Stage Heart Failure. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2004, 27, 308-313.	1.2	167
18	Aldosterone promotes atrial fibrillation. <i>European Heart Journal</i> , 2012, 33, 2098-2108.	2.2	153

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19	Right Atrial and Ventricular Adaptation to Chronic Right Ventricular Pressure Overload. <i>Circulation</i> , 2005, 112, 1212-8.	1.6	151
20	Hemodynamic Effects of Long-Term Cardiac Resynchronization Therapy. <i>Circulation</i> , 2006, 113, 1295-1304.	1.6	150
21	Nonlinearity and load sensitivity of end-systolic pressure-volume relation of canine left ventricle in vivo. <i>Circulation</i> , 1991, 83, 315-327.	1.6	139
22	Preservation of Left Ventricular Function and Attenuation of Remodeling After Transplantation of Human Epicardium-Derived Cells Into the Infarcted Mouse Heart. <i>Circulation</i> , 2007, 116, 917-927.	1.6	139
23	Characterization of right ventricular function after monocrotaline-induced pulmonary hypertension in the intact rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2424-H2430.	3.2	136
24	Right and left ventricular function after chronic pulmonary artery banding in rats assessed with biventricular pressure-volume loops. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1580-H1586.	3.2	134
25	Improved contractile performance of right ventricle in response to increased RV afterload in newborn lamb. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H100-H105.	3.2	128
26	Reservoir and conduit function of right atrium: impact on right ventricular filling and cardiac output. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2140-H2145.	3.2	114
27	Cyclooxygenase-2 Inhibition Increases Mortality, Enhances Left Ventricular Remodeling, and Impairs Systolic Function After Myocardial Infarction in the Pig. <i>Circulation</i> , 2007, 115, 326-332.	1.6	113
28	Heart rate reduction by If-inhibition improves vascular stiffness and left ventricular systolic and diastolic function in a mouse model of heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2013, 34, 2839-2849.	2.2	112
29	Frequency of left ventricular dyssynchrony in patients with heart failure and a narrow QRS complex. <i>American Journal of Cardiology</i> , 2005, 95, 140-142.	1.6	109
30	Comparison of benefits from cardiac resynchronization therapy in patients with ischemic cardiomyopathy versus idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , 2004, 93, 860-863.	1.6	108
31	Hypertonic saline method accurately determines parallel conductance for dual-field conductance catheter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H755-H763.	3.2	106
32	Left Ventricular Dyssynchrony Predicts Right Ventricular Remodeling After Cardiac Resynchronization Therapy. <i>Journal of the American College of Cardiology</i> , 2005, 46, 2264-2269.	2.8	106
33	Indexes of diastolic RV function: load dependence and changes after chronic RV pressure overload in lambs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1350-H1358.	3.2	103
34	Allogenic stem cell therapy improves right ventricular function by improving lung pathology in rats with pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1606-H1616.	3.2	101
35	Left ventricular unloading and concomitant total cardiac output increase by the use of percutaneous impella recover LP 2.5 assist device during high-risk coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2005, 65, 263-267.	1.7	100
36	Blunted frequency-dependent upregulation of cardiac output is related to impaired relaxation in diastolic heart failure. <i>European Heart Journal</i> , 2009, 30, 3027-3036.	2.2	100

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37	Biventricular systolic function in young lambs subject to chronic systemic right ventricular pressure overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H2697-H2704.	3.2	92
38	Surgical ventricular restoration in patients with ischemic dilated cardiomyopathy: Evaluation of systolic and diastolic ventricular function, wall stress, dyssynchrony, and mechanical efficiency by pressure-volume loops. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 610-620.	0.8	89
39	Diltiazem treatment prevents diastolic heart failure in mice with familial hypertrophic cardiomyopathy. <i>European Journal of Heart Failure</i> , 2006, 8, 115-121.	7.1	83
40	Global strain rate imaging for the estimation of diastolic function in HFNEF compared with pressure-volume loop analysis. <i>European Journal of Echocardiography</i> , 2010, 11, 743-751.	2.3	80
41	Left Ventricular Pacing Minimizes Diastolic Ventricular Interaction, Allowing Improved Preload-Dependent Systolic Performance. <i>Circulation</i> , 2004, 110, 2395-2400.	1.6	76
42	Left Ventricular Dysfunction Induced by Nonsevere Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 181-189.	5.6	74
43	Extent of viability to predict response to cardiac resynchronization therapy in ischemic heart failure patients. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1565-70.	5.0	74
44	A porcine model of hypertensive cardiomyopathy: implications for heart failure with preserved ejection fraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1407-H1418.	3.2	70
45	Acute and short-term effects of partial left ventriculectomy in dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2000, 36, 2104-2114.	2.8	66
46	Effectiveness of resynchronization therapy in patients with end-stage heart failure. <i>American Journal of Cardiology</i> , 2002, 90, 379-383.	1.6	65
47	Effects of critical coronary stenosis on global systolic left ventricular function quantified by pressure-volume relations during dobutamine stress in the canine heart. <i>Journal of the American College of Cardiology</i> , 1998, 32, 816-826.	2.8	63
48	Pulmonary Vascular Resistance, Collateral Flow, and Ventricular Function in Patients With a Fontan Circulation at Rest and During Dobutamine Stress. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 623-631.	2.6	62
49	Sildenafil enhances systolic adaptation, but does not prevent diastolic dysfunction, in the pressure-loaded right ventricle. <i>European Journal of Heart Failure</i> , 2012, 14, 1067-1074.	7.1	62
50	Right Ventricular Function in Respiratory Distress Syndrome and Subsequent Partial Liquid Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 374-379.	5.6	61
51	Systolic and Diastolic Ventricular Function Assessed by Pressure-Volume Loops in the Stage 21 Venous Clipped Chick Embryo. <i>Pediatric Research</i> , 2005, 57, 16-21.	2.3	61
52	Left ventricular dyssynchrony in patients with heart failure: pathophysiology, diagnosis and treatment. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2006, 3, 213-219.	3.3	61
53	Cardiac function during mild hypothermia in pigs: increased inotropy at the expense of diastolic dysfunction. <i>Acta Physiologica</i> , 2010, 199, 43-52.	3.8	61
54	Forced Myocardin Expression Enhances the Therapeutic Effect of Human Mesenchymal Stem Cells After Transplantation in Ischemic Mouse Hearts. <i>Stem Cells</i> , 2008, 26, 1083-1093.	3.2	60

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55	Integrated analysis of atrioventricular interactions in tetralogy of Fallot. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H364-H371.	3.2	59
56	Mesenchymal stem cells from ischemic heart disease patients improve left ventricular function after acute myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2438-H2447.	3.2	57
57	Relative Merits of M-Mode Echocardiography and Tissue Doppler Imaging for Prediction of Response to Cardiac Resynchronization Therapy in Patients With Heart Failure Secondary to Ischemic or Idiopathic Dilated Cardiomyopathy. American Journal of Cardiology, 2007, 99, 68-74.	1.6	56
58	Distinct loading conditions reveal various patterns of right ventricular adaptation. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H354-H364.	3.2	56
59	Bramwell-Hill modeling for local aortic pulse wave velocity estimation: a validation study with velocity-encoded cardiovascular magnetic resonance and invasive pressure assessment. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 15.	3.3	55
60	Comparison of intravenous and pulmonary artery injections of hypertonic saline for the assessment of conductance catheter parallel conductance. Cardiovascular Research, 2000, 46, 82-89.	3.8	54
61	Comparison of Effectiveness of Cardiac Resynchronization Therapy in Patients <70 Versus ≥70 Years of Age. American Journal of Cardiology, 2005, 96, 420-422.	1.6	54
62	Acute effects of pulmonary artery banding in sheep on right ventricle pressure-volume relations: relevance to the arterial switch operation. Acta Physiologica Scandinavica, 2001, 172, 97-106.	2.2	51
63	Cardiac Resynchronization Therapy in Patients With Systolic Left Ventricular Dysfunction and Symptoms of Mild Heart Failure Secondary to Ischemic or Nonischemic Cardiomyopathy. American Journal of Cardiology, 2006, 98, 230-235.	1.6	51
64	Quantification of left ventricular mechanical dyssynchrony by conductance catheter in heart failure patients. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H723-H730.	3.2	50
65	A cornerstone of heart failure treatment is not effective in experimental right ventricular failure. International Journal of Cardiology, 2013, 169, 183-189.	1.7	50
66	Modeling Ventricular Function during Cardiac Assist: Does Time-Varying Elastance Work?. ASAIO Journal, 2006, 52, 4-8.	1.6	49
67	Enhanced systolic function of the right ventricle during respiratory distress syndrome in newborn lambs. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H392-H400.	3.2	48
68	Left ventricular pressure-volume measurements in mice: Comparison of closed-chest versus open-chest approach. Basic Research in Cardiology, 2004, 99, 351-9.	5.9	48
69	Acute decrease of left ventricular mechanical dyssynchrony and improvement of contractile state and energy efficiency after left ventricular restoration. Journal of Thoracic and Cardiovascular Surgery, 2005, 129, 138-145.	0.8	48
70	Disparity Between Dobutamine Stress and Physical Exercise Magnetic Resonance Imaging in Patients with an Intra-atrial Correction for Transposition of the Great Arteries. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 383-389.	3.3	46
71	Conceptualising spaced learning in health professions education: A scoping review. Medical Education, 2020, 54, 205-216.	2.1	46
72	Improved aortic pulse wave velocity assessment from multislice two-dimensional in-plane velocity-encoded magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2010, 32, 1086-1094.	3.4	44

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73	The Effect of Antioxidative Combination Therapy on Post Hypoxic-Ischemic Perfusion, Metabolism, and Electrical Activity of the Newborn Brain. <i>Pediatric Research</i> , 1998, 44, 119-124.	2.3	44
74	The Influence of Indomethacin on the Autoregulatory Ability of the Cerebral Vascular Bed in the Newborn Lamb. <i>Pediatric Research</i> , 1993, 34, 178-181.	2.3	43
75	Interaction between afterload and contractility in the newborn heart: Evidence of homeometric autoregulation in the intact circulation. <i>Journal of the American College of Cardiology</i> , 1995, 25, 1428-1435.	2.8	43
76	Long-Term Follow-Up of Cardiac Resynchronization Therapy in Patients with End-Stage Heart Failure. <i>Journal of Cardiovascular Electrophysiology</i> , 2005, 16, 701-707.	1.7	43
77	Dependence of anisotropic myocardial electrical resistivity on cardiac phase and excitation frequency. <i>Basic Research in Cardiology</i> , 1994, 89, 411-426.	5.9	42
78	Integrated Assessment of Diastolic and Systolic Ventricular Function Using Diagnostic Cardiac Magnetic Resonance Catheterization. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 1271-1281.	5.3	42
79	MR Flow Mapping in Coronary Artery Bypass Grafts: A Validation Study with Doppler Flow Measurements. <i>Radiology</i> , 2002, 222, 127-135.	7.3	41
80	Phosphodiesterase 4 inhibition attenuates persistent heart and lung injury by neonatal hyperoxia in rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L56-L67.	2.9	41
81	Real-Time MR Imaging of Aortic Flow: Influence of Breathing on Left Ventricular Stroke Volume in Chronic Obstructive Pulmonary Disease. <i>Radiology</i> , 2003, 229, 513-519.	7.3	40
82	Impact of pericardial restraint on right atrial mechanics during acute right ventricular pressure load. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H350-H357.	3.2	40
83	Low Cerebral Oxygenation in Preterm Infants Is Associated with Adverse Neurodevelopmental Outcome. <i>Journal of Pediatrics</i> , 2019, 207, 109-116.e2.	1.8	40
84	Pressure-volume loop validation of TAPSE/PASP for right ventricular arterial coupling in heart failure with pulmonary hypertension. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 168-176.	1.2	40
85	Predicting systolic and diastolic aortic blood pressure and stroke volume in the intact sheep. <i>Journal of Biomechanics</i> , 2001, 34, 41-50.	2.1	39
86	Cardiomyogenic differentiation-independent improvement of cardiac function by human cardiomyocyte progenitor cell injection in ischaemic mouse hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1508-1521.	3.6	39
87	Beneficial Hemodynamic and Clinical Effects of Surgical Ventricular Restoration in Patients With Ischemic Dilated Cardiomyopathy. <i>Annals of Thoracic Surgery</i> , 2006, 82, 1721-1727.	1.3	38
88	Clinical symptoms of right ventricular failure in experimental chronic pressure load are associated with progressive diastolic dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 244-253.	1.9	38
89	Single-beat estimation of the left ventricular end-systolic pressure-volume relationship in patients with heart failure. <i>Acta Physiologica</i> , 2010, 198, 37-46.	3.8	37
90	Single-beat estimation of the left ventricular end-diastolic pressure-volume relationship in patients with heart failure. <i>Heart</i> , 2010, 96, 213-219.	2.9	36

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91	Negative effects of rofecoxib treatment on cardiac function after ischemia-reperfusion injury in APOE*3Leiden mice are prevented by combined treatment with thromboxane prostanoid-receptor antagonist S18886 (terutroban)*. <i>Critical Care Medicine</i> , 2008, 36, 2576-2582.	0.9	35
92	Sildenafil treatment in established right ventricular dysfunction improves diastolic function and attenuates interstitial fibrosis independent from afterload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H361-H369.	3.2	35
93	Does a Gender Difference in Response to Cardiac Resynchronization Therapy Exist?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005, 28, 1271-1275.	1.2	34
94	Is carbon monoxide-mediated cyclic guanosine monophosphate production responsible for low blood pressure in neonatal respiratory distress syndrome?. <i>Journal of Applied Physiology</i> , 2005, 98, 1044-1049.	2.5	34
95	Intramyocardial injection of skeletal myoblasts: long-term follow-up with pressure-volume loops. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2006, 3, S94-S100.	3.3	34
96	Long-term cardiovascular effects of neonatal dexamethasone treatment: hemodynamic follow-up by left ventricular pressure-volume loops in rats. <i>Journal of Applied Physiology</i> , 2008, 104, 446-450.	2.5	34
97	Fluid shear as a possible mechanism for platelet diffusivity in flowing blood. <i>Journal of Biomechanics</i> , 1986, 19, 799-805.	2.1	33
98	Activation of signaling molecules and matrix metalloproteinases in right ventricular myocardium of rats with pulmonary hypertension. <i>Pathology Research and Practice</i> , 2007, 203, 863-872.	2.3	33
99	Anti-ischemic effects of inotropic agents in experimental right ventricular infarction. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 941-948.	1.6	33
100	Right ventricular function and failure: Methods, models, and mechanisms *. <i>Critical Care Medicine</i> , 2004, 32, 1087-1089.	0.9	32
101	Effect of Cardiac Resynchronization Therapy on Inducibility of Ventricular Tachyarrhythmias in Cardiac Arrest Survivors With Either Ischemic or Idiopathic Dilated Cardiomyopathy. <i>American Journal of Cardiology</i> , 2005, 95, 1111-1114.	1.6	32
102	Neonatal Glucocorticosteroid Treatment Causes Systolic Dysfunction and Compensatory Dilatation in Early Life: Studies in 4-Week-Old Prepubertal Rats. <i>Pediatric Research</i> , 2005, 58, 46-52.	2.3	32
103	Suppression of physiological cardiomyocyte proliferation in the rat pup after neonatal glucocorticosteroid treatment. <i>Basic Research in Cardiology</i> , 2006, 101, 36-42.	5.9	32
104	The induction of mild hypothermia improves systolic function of the resuscitated porcine heart at no further sympathetic activation. <i>Acta Physiologica</i> , 2011, 203, 409-418.	3.8	31
105	Modeling the Instantaneous Pressure-Volume Relation of the Left Ventricle: A Comparison of Six Models. <i>Annals of Biomedical Engineering</i> , 2009, 37, 1710-1726.	2.5	30
106	Clinical and Functional Effects of Restrictive Mitral Annuloplasty at Midterm Follow-Up in Heart Failure Patients. <i>Annals of Thoracic Surgery</i> , 2010, 90, 1913-1920.	1.3	30
107	Surgical Ventricular Restoration for Patients With Ischemic Heart Failure: Determinants of Two-Year Survival. <i>Annals of Thoracic Surgery</i> , 2011, 91, 491-498.	1.3	30
108	Perioperative Assessment of Left Ventricular Function by Pressure-Volume Loops Using the Conductance Catheter Method. <i>Anesthesia and Analgesia</i> , 2003, 97, 950-957.	2.2	29

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109	Chronic right ventricular pressure overload results in a hyperplastic rather than a hypertrophic myocardial response. <i>Journal of Anatomy</i> , 2008, 212, 286-294.	1.5	29
110	Histopathological Changes of the Heart After Neonatal Dexamethasone Treatment: Studies in 4-, 8-, and 50-Week-Old Rats. <i>Pediatric Research</i> , 2009, 66, 74-79.	2.3	29
111	Short-Term Hemodynamic Effects of Cardiac Resynchronization Therapy in Patients With Heart Failure, a Narrow QRS Duration, and No Dyssynchrony. <i>Circulation</i> , 2009, 120, 1687-1694.	1.6	28
112	Can we use the end systolic volume index to monitor intrinsic right ventricular function after repair of tetralogy of Fallot?. <i>International Journal of Cardiology</i> , 2011, 147, 52-57.	1.7	28
113	Mild Hypothermia Attenuates Circulatory and Pulmonary Dysfunction During Experimental Endotoxemia*. <i>Critical Care Medicine</i> , 2013, 41, e401-e410.	0.9	28
114	Impact of Pacing Site on QRS Duration and Its Relationship to Hemodynamic Response in Cardiac Resynchronization Therapy for Congestive Heart Failure. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 1012-1020.	1.7	28
115	Chronic and adjustable pulmonary artery banding. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 125, 231-237.	0.8	27
116	Oxidative Stress during Post-Hypoxic-Ischemic Reperfusion in the Newborn Lamb: The Effect of Nitric Oxide Synthesis Inhibition. <i>Pediatric Research</i> , 1997, 41, 321-326.	2.3	27
117	Simultaneous estimation of NT-proBNP on top to mitral flow Doppler echocardiography as an accurate strategy to diagnose diastolic dysfunction in HFNEF. <i>International Journal of Cardiology</i> , 2011, 149, 23-29.	1.7	26
118	Thoracic Epidural Anesthesia Reduces Right Ventricular Systolic Function With Maintained Ventricular-Pulmonary Coupling. <i>Circulation</i> , 2016, 134, 1163-1175.	1.6	26
119	Peer instruction improves comprehension and transfer of physiological concepts: a randomized comparison with self-explanation. <i>Advances in Health Sciences Education</i> , 2019, 24, 151-165.	3.3	26
120	Pressure Overload-induced Right Ventricular Failure is Associated with Re-expression of Myocardial Tenascin-C and Elevated Plasma Tenascin-C Levels. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 201-210.	1.6	25
121	Continuous right ventricular volumetry by fast-response thermodilution during right ventricular ischemia: Head-to-head comparison with conductance catheter measurements*. <i>Critical Care Medicine</i> , 2009, 37, 2962-2967.	0.9	25
122	Long-term effects of surgical ventricular restoration with additional restrictive mitral annuloplasty and/or coronary artery bypass grafting on left ventricular function: Six-month follow-up by pressure-volume loops. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 140, 1338-1344.	0.8	25
123	Left ventricular diastolic dysfunction during acute myocardial infarction: Effect of mild hypothermia. <i>Resuscitation</i> , 2012, 83, 1503-1510.	3.0	25
124	Comparison of Effectiveness of Cardiac Resynchronization Therapy in Patients With Versus Without Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2005, 96, 108-111.	1.6	24
125	Novel Approaches to Treat Experimental Pulmonary Arterial Hypertension: A Review. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-11.	3.0	24
126	The nitric oxide donor molsidomine rescues cardiac function in rats with chronic kidney disease and cardiac dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H2037-H2045.	3.2	24

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127	Upgrading to Biventricular Pacing Guided by Pressure-Volume Loop Analysis During Implantation. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 677-683.	1.7	24
128	Does left ventricular size impact on intrinsic right ventricular function in hypoplastic left heart syndrome?. <i>International Journal of Cardiology</i> , 2013, 167, 1305-1310.	1.7	24
129	Inotropic Effects of Experimental Hyperthermia and Hypothermia on Left Ventricular Function in Pigs—Comparison With Dobutamine*. <i>Critical Care Medicine</i> , 2016, 44, e158-e167.	0.9	24
130	Establishment of a porcine right ventricular infarction model for cardioprotective actions of xenon and isoflurane. <i>Acta Anaesthesiologica Scandinavica</i> , 2008, 52, 1194-1203.	1.6	23
131	Pressure-volume loop analysis during implantation of biventricular pacemaker/cardiac resynchronization therapy device to optimize right and left ventricular pacing sites. <i>European Heart Journal</i> , 2008, 30, 797-804.	2.2	23
132	CaMKII activity contributes to homeometric autoregulation of the heart: A novel mechanism for the Anrep effect. <i>Journal of Physiology</i> , 2020, 598, 3129-3153.	2.9	23
133	Predictors and prognosis of right ventricular function in pulmonary hypertension due to heart failure with reduced ejection fraction. <i>ESC Heart Failure</i> , 2021, 8, 2968-2981.	3.1	23
134	Xenon and Isoflurane Reduce Left Ventricular Remodeling after Myocardial Infarction in the Rat. <i>Anesthesiology</i> , 2013, 118, 1385-1394.	2.5	22
135	Z-disc protein CHAPb induces cardiomyopathy and contractile dysfunction in the postnatal heart. <i>PLoS ONE</i> , 2017, 12, e0189139.	2.5	22
136	Effect of Post-Hypoxic-Ischemic Inhibition of Nitric Oxide Synthesis on Cerebral Blood Flow, Metabolism and Electrocortical Brain Activity in Newborn Lambs. <i>Neonatology</i> , 1997, 72, 216-226.	2.0	21
137	Left ventricular function in the post-infarct failing mouse heart by magnetic resonance imaging and conductance catheter: a comparative analysis. <i>Acta Physiologica</i> , 2008, 194, 111-122.	3.8	21
138	Gender-dependent effects of high-fat lard diet on cardiac function in C57Bl/6J mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 214-224.	1.9	21
139	RP105 deficiency aggravates cardiac dysfunction after myocardial infarction in mice. <i>International Journal of Cardiology</i> , 2014, 176, 788-793.	1.7	21
140	Comparison of 3 methods to induce acute pulmonary hypertension in pigs. <i>Comparative Medicine</i> , 2009, 59, 280-6.	1.0	19
141	Right ventricular systolic function and ventricular interaction during acute embolisation of the left anterior descending coronary artery in sheep. <i>Cardiovascular Research</i> , 1999, 43, 86-95.	3.8	18
142	Clinical Efficacy of Surgical Heart Failure Therapy by Ventricular Restoration and Restrictive Mitral Annuloplasty. <i>Journal of Cardiac Failure</i> , 2007, 13, 178-183.	1.7	18
143	Inverse Relationship between Birth Weight and Blood Pressure in Growth-Retarded but Not in Appropriate for Gestational Age Infants during the First Week of Life. <i>Neonatology</i> , 2009, 96, 86-92.	2.0	18
144	Ambrisentan reduces pulmonary arterial hypertension but does not stimulate alveolar and vascular development in neonatal rats with hyperoxic lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L264-L275.	2.9	18

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