

Walter J Paulus

List of Publications by Citations

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151
papers

16,505
citations

56
h-index

127
g-index

170
ext. papers

19,699
ext. citations

9.5
avg, IF

6.87
L-index

#	Paper	IF	Citations
151	How to diagnose diastolic heart failure: a consensus statement on the diagnosis of heart failure with normal left ventricular ejection fraction by the Heart Failure and Echocardiography Associations of the European Society of Cardiology. <i>European Heart Journal</i> , 2007 , 28, 2539-50	9.5	1934
150	A novel paradigm for heart failure with preserved ejection fraction: comorbidities drive myocardial dysfunction and remodeling through coronary microvascular endothelial inflammation. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 263-71	15.1	1791
149	Heart failure with preserved ejection fraction: pathophysiology, diagnosis, and treatment. <i>European Heart Journal</i> , 2011 , 32, 670-9	9.5	715
148	Diastolic stiffness of the failing diabetic heart: importance of fibrosis, advanced glycation end products, and myocyte resting tension. <i>Circulation</i> , 2008 , 117, 43-51	16.7	509
147	Aortic stenosis. <i>Lancet, The</i> , 2009 , 373, 956-66	40	506
146	Phenotype-Specific Treatment of Heart Failure With Preserved Ejection Fraction: A Multiorgan Roadmap. <i>Circulation</i> , 2016 , 134, 73-90	16.7	485
145	Myocardial structure and function differ in systolic and diastolic heart failure. <i>Circulation</i> , 2006 , 113, 1966-73	16.7	469
144	Cardiomyocyte stiffness in diastolic heart failure. <i>Circulation</i> , 2005 , 111, 774-81	16.7	395
143	How to diagnose heart failure with preserved ejection fraction: the HFA-PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2019 , 40, 3297-3317	9.5	379
142	What mechanisms underlie diastolic dysfunction in heart failure?. <i>Circulation Research</i> , 2004 , 94, 1533-42	15.7	377
141	Ultrasound and microbubble-targeted delivery of macromolecules is regulated by induction of endocytosis and pore formation. <i>Circulation Research</i> , 2009 , 104, 679-87	15.7	327
140	Low myocardial protein kinase G activity in heart failure with preserved ejection fraction. <i>Circulation</i> , 2012 , 126, 830-9	16.7	306
139	Clinical diabetic cardiomyopathy: a two-faced disease with restrictive and dilated phenotypes. <i>European Heart Journal</i> , 2015 , 36, 1718-27, 1727a-1727c	9.5	294
138	B-type natriuretic peptide and prognosis in heart failure patients with preserved and reduced ejection fraction. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1498-506	15.1	286
137	Type 2 diabetes mellitus and heart failure: a position statement from the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2018 , 20, 853-872	12.3	264
136	Myocardial Microvascular Inflammatory Endothelial Activation in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016 , 4, 312-24	7.9	262
135	Hypophosphorylation of the Stiff N2B titin isoform raises cardiomyocyte resting tension in failing human myocardium. <i>Circulation Research</i> , 2009 , 104, 780-6	15.7	251

134	New strategies for heart failure with preserved ejection fraction: the importance of targeted therapies for heart failure phenotypes. <i>European Heart Journal</i> , 2014 , 35, 2797-815	9.5	231
133	Right ventricular diastolic impairment in patients with pulmonary arterial hypertension. <i>Circulation</i> , 2013 , 128, 2016-25, 1-10	16.7	228
132	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. <i>Nature</i> , 2015 , 519, 472-6	50.4	208
131	Treatment of heart failure with normal ejection fraction: an inconvenient truth!. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 526-37	15.1	196
130	Myocardial contractile response to nitric oxide and cGMP. <i>Circulation</i> , 1996 , 93, 1223-9	16.7	190
129	Myocardial titin hypophosphorylation importantly contributes to heart failure with preserved ejection fraction in a rat metabolic risk model. <i>Circulation: Heart Failure</i> , 2013 , 6, 1239-49	7.6	183
128	Transstenotic coronary pressure gradient measurement in humans: in vitro and in vivo evaluation of a new pressure monitoring angioplasty guide wire. <i>Journal of the American College of Cardiology</i> , 1993 , 22, 119-26	15.1	183
127	Pioglitazone improves cardiac function and alters myocardial substrate metabolism without affecting cardiac triglyceride accumulation and high-energy phosphate metabolism in patients with well-controlled type 2 diabetes mellitus. <i>Circulation</i> , 2009 , 119, 2069-77	16.7	175
126	Connecting heart failure with preserved ejection fraction and renal dysfunction: the role of endothelial dysfunction and inflammation. <i>European Journal of Heart Failure</i> , 2016 , 18, 588-98	12.3	173
125	Peripartum cardiomyopathy as a part of familial dilated cardiomyopathy. <i>Circulation</i> , 2010 , 121, 2169-75	16.7	169
124	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017 , 128, 589-603	4.3	166
123	Bisoprolol delays progression towards right heart failure in experimental pulmonary hypertension. <i>Circulation: Heart Failure</i> , 2012 , 5, 97-105	7.6	161
122	Diabetes mellitus worsens diastolic left ventricular dysfunction in aortic stenosis through altered myocardial structure and cardiomyocyte stiffness. <i>Circulation</i> , 2011 , 124, 1151-9	16.7	152
121	Right heart dysfunction and failure in heart failure with preserved ejection fraction: mechanisms and management. Position statement on behalf of the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2018 , 20, 16-37	12.3	137
120	Endomyocardial nitric oxide synthase and left ventricular preload reserve in dilated cardiomyopathy. <i>Circulation</i> , 1999 , 99, 3009-16	16.7	135
119	Right-ventricular failure is associated with increased mitochondrial complex II activity and production of reactive oxygen species. <i>Cardiovascular Research</i> , 2007 , 75, 770-81	9.9	128
118	Paracrine coronary endothelial control of left ventricular function in humans. <i>Circulation</i> , 1995 , 92, 2119-26	16.7	124
117	Sarcomeric dysfunction in heart failure. <i>Cardiovascular Research</i> , 2008 , 77, 649-58	9.9	123

116	Right ventricular diastolic dysfunction and the acute effects of sildenafil in pulmonary hypertension patients. <i>Chest</i> , 2007 , 132, 11-7	5.3	115
115	Heart failure and diabetes: metabolic alterations and therapeutic interventions: a state-of-the-art review from the Translational Research Committee of the Heart Failure Association-European Society of Cardiology. <i>European Heart Journal</i> , 2018 , 39, 4243-4254	9.5	113
114	Multiple common comorbidities produce left ventricular diastolic dysfunction associated with coronary microvascular dysfunction, oxidative stress, and myocardial stiffening. <i>Cardiovascular Research</i> , 2018 , 114, 954-964	9.9	96
113	Is echocardiographic evaluation of diastolic function useful in determining clinical care? Doppler echocardiography yields dubious estimates of left ventricular diastolic pressures. <i>Circulation</i> , 2009 , 120, 810-20; discussion 820	16.7	96
112	Antioxidant treatment attenuates pulmonary arterial hypertension-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1038-47	5.2	93
111	Comparison of the effects of nitroprusside and nifedipine on diastolic properties in patients with hypertrophic cardiomyopathy: altered left ventricular loading or improved muscle inactivation?. <i>Journal of the American College of Cardiology</i> , 1983 , 2, 879-86	15.1	87
110	How to diagnose heart failure with preserved ejection fraction: the HFA-PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2020 , 22, 391-412	12.3	84
109	The cGMP signaling pathway as a therapeutic target in heart failure with preserved ejection fraction. <i>Journal of the American Heart Association</i> , 2013 , 2, e000536	6	82
108	SIH--a novel lipophilic iron chelator--protects H9c2 cardiomyoblasts from oxidative stress-induced mitochondrial injury and cell death. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 39, 345-54	5.8	80
107	Biomarkers of heart failure with normal ejection fraction: a systematic review. <i>European Journal of Heart Failure</i> , 2013 , 15, 1350-62	12.3	79
106	Increased nitrosative/oxidative stress lowers myocardial protein kinase G activity in heart failure with preserved ejection fraction. <i>BMC Pharmacology & Toxicology</i> , 2013 , 14,	2.6	78
105	Left-ventricular remodeling after myocardial infarction is associated with a cardiomyocyte-specific hypothyroid condition. <i>Endocrinology</i> , 2011 , 152, 669-79	4.8	78
104	Improved diastolic function and systolic performance in hypertrophic cardiomyopathy after nifedipine. <i>New England Journal of Medicine</i> , 1980 , 303, 801-3	59.2	78
103	Molecular and cellular basis for diastolic dysfunction. <i>Current Heart Failure Reports</i> , 2012 , 9, 293-302	2.8	77
102	Effect of early-onset preeclampsia on cardiovascular risk in the fifth decade of life. <i>American Journal of Obstetrics and Gynecology</i> , 2017 , 216, 523.e1-523.e7	6.4	72
101	Cardiac Microvascular Endothelial Enhancement of Cardiomyocyte Function Is Impaired by Inflammation and Restored by Empagliflozin. <i>JACC Basic To Translational Science</i> , 2019 , 4, 575-591	8.7	71
100	Functional effects of protein kinase C-mediated myofilament phosphorylation in human myocardium. <i>Cardiovascular Research</i> , 2006 , 69, 876-87	9.9	66
99	Quantitative analysis of myofilament protein phosphorylation in small cardiac biopsies. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 1285-90	3.1	64

98	Right ventricular pacing improves right heart function in experimental pulmonary arterial hypertension: a study in the isolated heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1752-9	5.2	62
97	Heart failure and cognitive function in the general population: the Hoorn Study. <i>European Journal of Heart Failure</i> , 2011 , 13, 1362-9	12.3	62
96	Circulating ACE2 activity correlates with cardiovascular disease development. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17,	3	56
95	Myocardial stress and hypertrophy: a complex interface between biophysics and cardiac remodeling. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3701-3	15.9	55
94	Left ventricular diastolic dysfunction and myocardial stiffness in diabetic mice is attenuated by inhibition of dipeptidyl peptidase 4. <i>Cardiovascular Research</i> , 2014 , 104, 423-31	9.9	54
93	Nitric oxide's role in the heart: control of beating or breathing?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H8-13	5.2	54
92	Distinct Myocardial Targets for Diabetes Therapy in Heart Failure With Preserved or Reduced Ejection Fraction. <i>JACC: Heart Failure</i> , 2018 , 6, 1-7	7.9	51
91	Distinct mechanisms for diastolic dysfunction in diabetes mellitus and chronic pressure-overload. <i>Basic Research in Cardiology</i> , 2011 , 106, 801-14	11.8	50
90	The role of asymmetric dimethylarginine and arginine in the failing heart and its vasculature. <i>European Journal of Heart Failure</i> , 2010 , 12, 1274-81	12.3	50
89	Circulating white blood cells and platelets amplify oxidative stress in heart failure. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008 , 5, 811-20		50
88	The role of nitric oxide in the failing heart. <i>Heart Failure Reviews</i> , 2001 , 6, 105-18	5	49
87	Transcriptional and posttranslational modifications of titin: implications for diastole. <i>Circulation Research</i> , 2009 , 104, 12-4	15.7	48
86	Does myocardial fibrosis hinder contractile function and perfusion in idiopathic dilated cardiomyopathy? PET and MR imaging study. <i>Radiology</i> , 2006 , 240, 380-8	20.5	47
85	Distinct myocardial effects of beta-blocker therapy in heart failure with normal and reduced left ventricular ejection fraction. <i>European Heart Journal</i> , 2009 , 30, 1863-72	9.5	46
84	Distinct Endothelial Cell Responses in the Heart and Kidney Microvasculature Characterize the Progression of Heart Failure With Preserved Ejection Fraction in the Obese ZSF1 Rat With Cardiorenal Metabolic Syndrome. <i>Circulation: Heart Failure</i> , 2016 , 9, e002760	7.6	46
83	Effects of aging on left atrioventricular coupling and left ventricular filling assessed using cardiac magnetic resonance imaging in healthy subjects. <i>American Journal of Cardiology</i> , 2007 , 100, 122-7	3	45
82	How are cytokines activated in heart failure?. <i>European Journal of Heart Failure</i> , 1999 , 1, 309-12	12.3	44
81	NOX5 expression is increased in intramyocardial blood vessels and cardiomyocytes after acute myocardial infarction in humans. <i>American Journal of Pathology</i> , 2012 , 180, 2222-9	5.8	43

80	Intravenous clusterin administration reduces myocardial infarct size in rats. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 893-902	4.6	43
79	Molecular determinants of heart failure with normal left ventricular ejection fraction. <i>Pharmacological Reports</i> , 2009 , 61, 139-45	3.9	43
78	Advantages of deformation indices over systolic velocities in assessment of longitudinal systolic function in patients with heart failure and normal ejection fraction. <i>European Journal of Heart Failure</i> , 2011 , 13, 292-302	12.3	42
77	The influence of endothelium-derived nitric oxide on myocardial contractile function. <i>International Journal of Cardiology</i> , 1995 , 50, 225-31	3.2	39
76	Myofilament degradation and dysfunction of human cardiomyocytes in Fabry disease. <i>American Journal of Pathology</i> , 2008 , 172, 1482-90	5.8	38
75	The cardiac endothelium: cardioactive mediators. <i>Progress in Cardiovascular Diseases</i> , 1996 , 39, 263-84	8.5	38
74	Diastolic function of the nonfilling human left ventricle. <i>Journal of the American College of Cardiology</i> , 1992 , 20, 1524-32	15.1	35
73	Shared biomarkers between female diastolic heart failure and pre-eclampsia: a systematic review and meta-analysis. <i>ESC Heart Failure</i> , 2017 , 4, 88-98	3.7	33
72	The failing diabetic heart: focus on diastolic left ventricular dysfunction. <i>Current Diabetes Reports</i> , 2009 , 9, 79-86	5.6	32
71	More severe cellular phenotype in human idiopathic dilated cardiomyopathy compared to ischemic heart disease. <i>Journal of Muscle Research and Cell Motility</i> , 2010 , 31, 289-301	3.5	32
70	Dobutamine enhances cardiodepressant effects of receptor-mediated coronary endothelial stimulation. <i>Circulation</i> , 1997 , 95, 90-6	16.7	32
69	Nitric Oxide and Cardiac Contractility in Human Heart Failure. <i>Circulation</i> , 2001 , 104, 2260-2262	16.7	30
68	Inhibition of type 2A secretory phospholipase A2 reduces death of cardiomyocytes in acute myocardial infarction. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 753-63	5.4	29
67	Matrix, cytoskeleton, or myofilaments: which one to blame for diastolic left ventricular dysfunction?. <i>Progress in Cardiovascular Diseases</i> , 2005 , 47, 276-84	8.5	29
66	Unfolding Discoveries in Heart Failure. <i>New England Journal of Medicine</i> , 2020 , 382, 679-682	59.2	28
65	MicroRNA 214 Is a Potential Regulator of Thyroid Hormone Levels in the Mouse Heart Following Myocardial Infarction, by Targeting the Thyroid-Hormone-Inactivating Enzyme Deiodinase Type III. <i>Frontiers in Endocrinology</i> , 2016 , 7, 22	5.7	28
64	Rationale and application of coronary transstenotic pressure gradient measurements. <i>Catheterization and Cardiovascular Diagnosis</i> , 1994 , 33, 250-61		27
63	Contractile arrest reveals calcium-dependent stimulation of SERCA2a mRNA expression in cultured ventricular cardiomyocytes. <i>Cardiovascular Research</i> , 2004 , 63, 537-44	9.9	26

62	Left ventricular contractile effects of inducible nitric oxide synthase in the human allograft. <i>Circulation</i> , 1997 , 96, 3436-42	16.7	26
61	Increased local delivery of antagomir therapeutics to the rodent myocardium using ultrasound and microbubbles. <i>Journal of Controlled Release</i> , 2016 , 222, 18-31	11.7	24
60	Beneficial effects of nitric oxide on cardiac diastolic function: The flip side of the coin? <i>Heart Failure Reviews</i> , 2000 , 5, 337-44	5	24
59	Ventricular myocarditis coincides with atrial myocarditis in patients. <i>Cardiovascular Pathology</i> , 2016 , 25, 141-8	3.8	23
58	Prospective associations of B-type natriuretic peptide with markers of left ventricular function in individuals with and without type 2 diabetes: an 8-year follow-up of the Hoorn Study. <i>Diabetes Care</i> , 2012 , 35, 2510-4	14.6	23
57	Myocardial contractile effects of nitric oxide. <i>Heart Failure Reviews</i> , 2002 , 7, 371-83	5	23
56	From Systemic Inflammation to Myocardial Fibrosis: The Heart Failure With Preserved Ejection Fraction Paradigm Revisited. <i>Circulation Research</i> , 2021 , 128, 1451-1467	15.7	23
55	Early-onset preeclampsia predisposes to preclinical diastolic left ventricular dysfunction in the fifth decade of life: An observational study. <i>PLoS ONE</i> , 2018 , 13, e0198908	3.7	22
54	Slightly elevated B-type natriuretic peptide levels in a non-heart failure range indicate a worse left ventricular diastolic function in individuals with, as compared with individuals without, type 2 diabetes: the Hoorn Study. <i>European Journal of Heart Failure</i> , 2010 , 12, 958-65	12.3	20
53	Endomyocardial nitric oxide synthase and the hemodynamic phenotypes of human dilated cardiomyopathy and of athlete's heart. <i>Cardiovascular Research</i> , 2002 , 55, 270-8; discussion 225-8	9.9	20
52	Orifice variability of the stenotic aortic valve: evaluation before and after balloon aortic valvuloplasty. <i>Journal of the American College of Cardiology</i> , 1991 , 17, 1263-9	15.1	20
51	RhoA-ROCK signaling is involved in contraction-mediated inhibition of SERCA2a expression in cardiomyocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2009 , 458, 785-93	4.6	19
50	Independent associations of glucose status and arterial stiffness with left ventricular diastolic dysfunction: an 8-year follow-up of the Hoorn Study. <i>Diabetes Care</i> , 2012 , 35, 1258-64	14.6	19
49	H9c2 cardiomyoblasts produce thyroid hormone. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1227-33	5.4	19
48	Atrial fibrillation coincides with the advanced glycation end product N ^ε -(carboxymethyl)lysine in the atrium. <i>American Journal of Pathology</i> , 2015 , 185, 2096-104	5.8	17
47	From comorbidities to heart failure with preserved ejection fraction: a story of oxidative stress. <i>Heart</i> , 2016 , 102, 320-30	5.1	17
46	Investigating a biomarker-driven approach to target collagen turnover in diabetic heart failure with preserved ejection fraction patients. Effect of torasemide versus furosemide on serum C-terminal propeptide of procollagen type I (DROP-PIP trial). <i>European Journal of Heart Failure</i> , 2018 , 20, 460-470	12.3	16
45	Diastolic dysfunction is initiated by cardiomyocyte impairment ahead of endothelial dysfunction due to increased oxidative stress and inflammation in an experimental prediabetes model. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 137, 119-131	5.8	16

44	Early NADPH oxidase-2 activation is crucial in phenylephrine-induced hypertrophy of H9c2 cells. <i>Cellular Signalling</i> , 2014 , 26, 1818-24	4.9	16
43	Novel strategies in diastolic heart failure. <i>Heart</i> , 2010 , 96, 1147-53	5.1	16
42	NOX2, p22phox and p47phox are targeted to the nuclear pore complex in ischemic cardiomyocytes colocalizing with local reactive oxygen species. <i>Cellular Physiology and Biochemistry</i> , 2011 , 27, 471-8	3.9	16
41	Ultrasound and microbubble-induced local delivery of MicroRNA-based therapeutics. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 163-76	3.5	15
40	The effect of biological DMARDs on the risk of congestive heart failure in rheumatoid arthritis: a systematic review. <i>Expert Opinion on Biological Therapy</i> , 2018 , 18, 585-594	5.4	15
39	Pathophysiological rationale and diagnostic targets for diastolic stress testing. <i>Heart</i> , 2015 , 101, 1355-60	6.1	14
38	Nitric oxide: the missing lusitrope in failing myocardium. <i>European Heart Journal</i> , 2008 , 29, 2453-5	9.5	14
37	Endothelial control of vascular and myocardial function in heart failure. <i>Cardiovascular Drugs and Therapy</i> , 1994 , 8, 437-46	3.9	14
36	EB Crystallin Reverses High Diastolic Stiffness of Failing Human Cardiomyocytes. <i>Circulation: Heart Failure</i> , 2017 , 10, e003626	7.6	13
35	Arterial Remodeling and Dysfunction in the ZSF1 Rat Model of Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2019 , 12, e005596	7.6	13
34	A novel electrocardiographic index for the diagnosis of diastolic dysfunction. <i>PLoS ONE</i> , 2013 , 8, e79152	3.7	13
33	Heart failure with preserved ejection fraction: a nephrologist-directed primer. <i>Heart Failure Reviews</i> , 2017 , 22, 765-773	5	12
32	Deliberating the Diagnostic Dilemma of Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2020 , 142, 1770-1780	16.7	11
31	Enhanced clinical phenotyping by mechanistic bioprofiling in heart failure with preserved ejection fraction: insights from the MEDIA-DHF study (The Metabolic Road to Diastolic Heart Failure). <i>Biomarkers</i> , 2020 , 25, 201-211	2.6	11
30	Diastolic and systolic heart failure: different stages or distinct phenotypes of the heart failure syndrome?. <i>Current Heart Failure Reports</i> , 2009 , 6, 281-6	2.8	11
29	Myocardial contractile effects of L-arginine in the human allograft. <i>Journal of the American College of Cardiology</i> , 1997 , 29, 1332-8	15.1	11
28	Stretch-induced compliance: a novel adaptive biological mechanism following acute cardiac load. <i>Cardiovascular Research</i> , 2018 , 114, 656-667	9.9	10
27	The basement membrane of intramyocardial capillaries is thickened in patients with acute myocardial infarction. <i>Journal of Vascular Research</i> , 2010 , 47, 54-60	1.9	10

26	Myocardial fibrosis blunts nitric oxide synthase-related preload reserve in human dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H10-6	5.2	10
25	Low-grade inflammation and endothelial dysfunction explain the association between retinopathy and left ventricular ejection fraction in men: an 8-year follow-up of the Hoorn Study. <i>Journal of Diabetes and Its Complications</i> , 2014 , 28, 819-23	3.2	9
24	Cellular Mechanisms for Diastolic Dysfunction in the Human Heart. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 2532-2538	2.6	9
23	Treatment of heart failure with normal ejection fraction. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2011 , 13, 26-34	2.1	8
22	Iconoclasts topple adaptive myocardial hypertrophy in aortic stenosis. <i>European Heart Journal</i> , 2005 , 26, 1697-9	9.5	7
21	Paracrine coronary endothelial modulation of diastolic left ventricular function in man: implications for diastolic heart failure. <i>Journal of Cardiac Failure</i> , 1996 , 2, S155-64	3.3	7
20	Stratified Treatment of Heart Failure with preserved Ejection Fraction: rationale and design of the STADIA-HFpEF trial. <i>ESC Heart Failure</i> , 2020 , 7, 4478	3.7	7
19	Cellular mechanisms for diastolic dysfunction in the human heart. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 2532-8	2.6	7
18	Risk of bias in studies investigating novel diagnostic biomarkers for heart failure with preserved ejection fraction. A systematic review. <i>European Journal of Heart Failure</i> , 2020 , 22, 1586-1597	12.3	6
17	Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor. <i>Journal of Clinical Pathology</i> , 2016 , 69, 1093-1099	3.9	6
16	Molecular and pathophysiological links between heart failure with preserved ejection fraction and type 2 diabetes mellitus. <i>European Journal of Heart Failure</i> , 2018 , 20, 1649-1652	12.3	6
15	p47phox-Dependent Reactive Oxygen Species Stimulate Nuclear Translocation of the FoxO1 Transcription Factor During Metabolic Inhibition in Cardiomyoblasts. <i>Cell Biochemistry and Biophysics</i> , 2018 , 76, 401-410	3.2	5
14	CrossTalk opposing view: the late sodium current is not an important player in the development of diastolic heart failure (heart failure with a preserved ejection fraction). <i>Journal of Physiology</i> , 2014 , 592, 415-7	3.9	5
13	Sex differences in circulating proteins in heart failure with preserved ejection fraction. <i>Biology of Sex Differences</i> , 2020 , 11, 47	9.3	5
12	Diagnostic value of echocardiographic markers for diastolic dysfunction and heart failure with preserved ejection fraction. <i>Heart Failure Reviews</i> , 2020 , 1	5	3
11	Cellular Mechanisms for Diastolic Dysfunction in the Human Heart. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 2532-2538	2.6	3
10	Failure of myocardial inactivation: a clinical assessment in the hypertrophied heart. <i>Basic Research in Cardiology</i> , 1992 , 87 Suppl 2, 145-61	11.8	2
9	Myocardial Contractile Effects of Nitric Oxide 2004 , 33-45		1

- 8 Comparative Effects of Ischemia and Hypoxemia on Left Ventricular Diastolic Function in Humans **1994**, 303-321 1
- 7 Failure of Inactivation of Hypertrophied Myocardium: A Cause of Impaired Left Ventricular Filling in Hypertrophic Cardiomyopathy and Aortic Stenosis **1987**, 291-304 1
- 6 Clinical Cardiology: Current Practice Guidelines Katritsis Demosthenes G. Gersh Bernard J. Camm A. John, eds. 1171 pages. Oxford, UK: Oxford University Press, 2013. ISBN-10: 0521867126. ISBN-13: 978-0521867122. 230 pages. \$115.00. ISBN: 978-0-19-968528-8. *Circulation*, **2014**, 129, 1171-1172 16.7
- 5 Coronary Artery Disease and Diastolic Left Ventricular Dysfunction **2008**, 243-262
- 4 The Role of Nitric Oxide in the Failing Heart. *Developments in Cardiovascular Medicine*, **2001**, 35-48
- 3 Invasive Evaluation of Diastolic Left Ventricular Dysfunction **2008**, 137-147
- 2 From hemodynamic principles to clinical management. *Developments in Cardiovascular Medicine*, **1991**, 1-20
- 1 Alterations in Ventricular Function: Diastolic Heart Failure **2020**, 151-165.e3