

Daniel Burkhoff

List of Publications by Citations

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178
papers

10,858
citations

50
h-index

102
g-index

190
ext. papers

13,567
ext. citations

6.3
avg, IF

6.4
L-index

#	Paper	IF	Citations
178	PKA phosphorylation dissociates FKBP12.6 from the calcium release channel (ryanodine receptor): defective regulation in failing hearts. <i>Cell</i> , 2000 , 101, 365-76	56.2	1643
177	COVID-19 and Cardiovascular Disease. <i>Circulation</i> , 2020 , 141, 1648-1655	16.7	963
176	Assessment of systolic and diastolic ventricular properties via pressure-volume analysis: a guide for clinical, translational, and basic researchers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H501-12	5.2	502
175	A randomized multicenter clinical study to evaluate the safety and efficacy of the TandemHeart percutaneous ventricular assist device versus conventional therapy with intraaortic balloon pumping for treatment of cardiogenic shock. <i>American Heart Journal</i> , 2006 , 152, 469.e1-8	4.9	368
174	The Variety of Cardiovascular Presentations of COVID-19. <i>Circulation</i> , 2020 , 141, 1930-1936	16.7	343
173	Hemodynamics of Mechanical Circulatory Support. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2663-2674	15.1	285
172	Reversal of chronic ventricular dilation in patients with end-stage cardiomyopathy by prolonged mechanical unloading. <i>Circulation</i> , 1995 , 91, 2717-20	16.7	282
171	Chronic unloading by left ventricular assist device reverses contractile dysfunction and alters gene expression in end-stage heart failure. <i>Circulation</i> , 2000 , 102, 2713-9	16.7	237
170	SCAI clinical expert consensus statement on the classification of cardiogenic shock: This document was endorsed by the American College of Cardiology (ACC), the American Heart Association (AHA), the Society of Critical Care Medicine (SCCM), and the Society of Thoracic Surgeons (STS) in April 2018. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 91, 22-27	2.7	236
169	Heart failure with a normal ejection fraction: is it really a disorder of diastolic function?. <i>Circulation</i> , 2003 , 107, 656-8	16.7	187
168	Comparison of right and left ventricular responses to left ventricular assist device support in patients with severe heart failure: a primary role of mechanical unloading underlying reverse remodeling. <i>Circulation</i> , 2001 , 104, 670-5	16.7	180
167	Myocardial recovery and the failing heart: myth, magic, or molecular target?. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 2465-72	15.1	172
166	Single-beat estimation of end-diastolic pressure-volume relationship: a novel method with potential for noninvasive application. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H403-12	5.2	171
165	Existence of the Frank-Starling mechanism in the failing human heart. Investigations on the organ, tissue, and sarcomere levels. <i>Circulation</i> , 1996 , 94, 683-9	16.7	171
164	Left heart failure with a normal ejection fraction: identification of different pathophysiologic mechanisms. <i>Journal of Cardiac Failure</i> , 2005 , 11, 177-87	3.3	153
163	LVAD-induced reverse remodeling: basic and clinical implications for myocardial recovery. <i>Journal of Cardiac Failure</i> , 2006 , 12, 227-39	3.3	147
162	Mechanical unloading during left ventricular assist device support increases left ventricular collagen cross-linking and myocardial stiffness. <i>Circulation</i> , 2005 , 112, 364-74	16.7	147

161	Venoarterial Extracorporeal Membrane Oxygenation for Cardiogenic Shock and Cardiac Arrest. <i>Circulation: Heart Failure</i> , 2018 , 11, e004905	7.6	144
160	Ventricular structure and function in hypertensive participants with heart failure and a normal ejection fraction: the Cardiovascular Health Study. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 972-81	15.1	143
159	Transcatheter Interatrial Shunt Device for the Treatment of Heart Failure With Preserved Ejection Fraction (REDUCE LAP-HF I [Reduce Elevated Left Atrial Pressure in Patients With Heart Failure]): A Phase 2, Randomized, Sham-Controlled Trial. <i>Circulation</i> , 2018 , 137, 364-375	16.7	140
158	Diastolic dysfunction: can it be diagnosed by Doppler echocardiography?. <i>Journal of the American College of Cardiology</i> , 2004 , 44, 1543-9	15.1	138
157	Time course of reverse remodeling of the left ventricle during support with a left ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 121, 902-8	1.5	126
156	Mechanical Circulatory Support Devices for Acute Right Ventricular Failure. <i>Circulation</i> , 2017 , 136, 314-326.7	12.5	
155	Hemodynamic Ramp Tests in Patients With Left Ventricular Assist Devices. <i>JACC: Heart Failure</i> , 2016 , 4, 208-17	7.9	118
154	The continuous heart failure spectrum: moving beyond an ejection fraction classification. <i>European Heart Journal</i> , 2019 , 40, 2155-2163	9.5	107
153	Development of heart failure in chronic hypertensive Dahl rats: focus on heart failure with preserved ejection fraction. <i>Hypertension</i> , 2006 , 47, 901-11	8.5	105
152	Cardiac contractility modulation electrical signals improve myocardial gene expression in patients with heart failure. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1784-9	15.1	94
151	A Randomized Controlled Trial to Evaluate the Safety and Efficacy of Cardiac Contractility Modulation. <i>JACC: Heart Failure</i> , 2018 , 6, 874-883	7.9	91
150	Impact of left ventricular assist device (LVAD) support on the cardiac reverse remodeling process. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 97, 479-96	4.7	89
149	Hemodynamic effects of partial ventricular support in chronic heart failure: results of simulation validated with in vivo data. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 133, 21-8	1.5	82
148	Role of impaired myocardial relaxation in the production of elevated left ventricular filling pressure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1203-8	5.2	82
147	Effects of an interatrial shunt on rest and exercise hemodynamics: results of a computer simulation in heart failure. <i>Journal of Cardiac Failure</i> , 2014 , 20, 212-21	3.3	81
146	The impact of left ventricular assist device-induced left ventricular unloading on the myocardial renin-angiotensin-aldosterone system: therapeutic consequences?. <i>European Heart Journal</i> , 2009 , 30, 805-12	9.5	81
145	One-Year Safety and Clinical Outcomes of a Transcatheter Interatrial Shunt Device for the Treatment of Heart Failure With Preserved Ejection Fraction in the Reduce Elevated Left Atrial Pressure in Patients With Heart Failure (REDUCE LAP-HF I) Trial: A Randomized Clinical Trial. <i>JAMA Cardiology</i> , 2018 , 3, 968-977	16.2	81
144	The impact of angiotensin-converting enzyme inhibitor therapy on the extracellular collagen matrix during left ventricular assist device support in patients with end-stage heart failure. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 1166-74	15.1	77

143	Mechanical Unloading in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 569-580	15.1	76
142	Proof of concept: hemodynamic response to long-term partial ventricular support with the synergy pocket micro-pump. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 79-86	15.1	75
141	Left ventricular assist device support normalizes left and right ventricular beta-adrenergic pathway properties. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 668-76	15.1	73
140	A computational method of prediction of the end-diastolic pressure-volume relationship by single beat. <i>Nature Protocols</i> , 2007 , 2, 2152-8	18.8	68
139	The science behind percutaneous hemodynamic support: a review and comparison of support strategies. <i>Catheterization and Cardiovascular Interventions</i> , 2012 , 80, 816-29	2.7	67
138	Sarcomeric genes involved in reverse remodeling of the heart during left ventricular assist device support. <i>Journal of Heart and Lung Transplantation</i> , 2005 , 24, 73-80	5.8	67
137	Subgroup analysis of a randomized controlled trial evaluating the safety and efficacy of cardiac contractility modulation in advanced heart failure. <i>Journal of Cardiac Failure</i> , 2011 , 17, 710-7	3.3	64
136	Invasive left ventricle pressure-volume analysis: overview and practical clinical implications. <i>European Heart Journal</i> , 2020 , 41, 1286-1297	9.5	56
135	Left Ventricular Decompression During Speed Optimization Ramps in Patients Supported by Continuous-Flow Left Ventricular Assist Devices: Device-Specific Performance Characteristics and Impact on Diagnostic Algorithms. <i>Journal of Cardiac Failure</i> , 2015 , 21, 785-91	3.3	55
134	Left atrial decompression pump for severe heart failure with preserved ejection fraction: theoretical and clinical considerations. <i>JACC: Heart Failure</i> , 2015 , 3, 275-82	7.9	54
133	Efficacy and survival in patients with cardiac contractility modulation: long-term single center experience in 81 patients. <i>International Journal of Cardiology</i> , 2015 , 183, 76-81	3.2	54
132	Anesthetic inhibition in ischemic and nonischemic murine heart: comparison with conscious echocardiographic approach. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H2364-70	5.2	52
131	Assessment of transmural perfusion in alligator hearts. <i>Circulation</i> , 1997 , 95, 1585-91	16.7	52
130	Value of Hemodynamic Monitoring in Patients With Cardiogenic Shock Undergoing Mechanical Circulatory Support. <i>Circulation</i> , 2020 , 141, 1184-1197	16.7	52
129	Mechanisms underlying improvements in ejection fraction with carvedilol in heart failure. <i>Circulation: Heart Failure</i> , 2009 , 2, 189-96	7.6	51
128	Left ventricular volume reduction surgery for heart failure: a physiologic perspective. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 122, 775-82	1.5	49
127	Complete Hemodynamic Profiling With Pulmonary Artery Catheters in Cardiogenic Shock Is Associated With Lower In-Hospital Mortality. <i>JACC: Heart Failure</i> , 2020 , 8, 903-913	7.9	49
126	Indications for and Findings on Transthoracic Echocardiography in COVID-19. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 1278-1284	5.8	45

125	Invasive Hemodynamic Assessment and Classification of In-Hospital Mortality Risk Among Patients With Cardiogenic Shock. <i>Circulation: Heart Failure</i> , 2020 , 13, e007099	7.6	45
124	Cardiac contractility modulation improves long-term survival and hospitalizations in heart failure with reduced ejection fraction. <i>European Journal of Heart Failure</i> , 2019 , 21, 1103-1113	12.3	45
123	Mechanisms of heart failure with well preserved ejection fraction in dogs following limited coronary microembolization. <i>Cardiovascular Research</i> , 2004 , 64, 72-83	9.9	43
122	Electric currents applied during the refractory period can modulate cardiac contractility in vitro and in vivo. <i>Heart Failure Reviews</i> , 2001 , 6, 27-34	5	43
121	A multicenter study of noninvasive cardiac output by bioreactance during symptom-limited exercise. <i>Journal of Cardiac Failure</i> , 2009 , 15, 689-99	3.3	42
120	Cardiac contractility modulation: mechanisms of action in heart failure with reduced ejection fraction and beyond. <i>European Journal of Heart Failure</i> , 2019 , 21, 14-22	12.3	42
119	Congestion in heart failure: a contemporary look at physiology, diagnosis and treatment. <i>Nature Reviews Cardiology</i> , 2020 , 17, 641-655	14.8	41
118	Effects of Interatrial Shunt on Pulmonary Vascular Function in Heart Failure With Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2539-2550	15.1	40
117	3D Morphological Changes in LV and RV During LVAD Ramp Studies. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 159-169	8.4	39
116	Decoupling Between Diastolic Pulmonary Artery Pressure and Pulmonary Capillary Wedge Pressure as a Prognostic Factor After Continuous Flow Ventricular Assist Device Implantation. <i>Circulation: Heart Failure</i> , 2017 , 10,	7.6	38
115	Surgical ventricular remodeling: a balancing act on systolic and diastolic properties. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 459-63	1.5	38
114	Transcatheter Interatrial Shunt Device for the Treatment of Heart Failure: Rationale and Design of the Randomized Trial to REDUCE Elevated Left Atrial Pressure in Heart Failure (REDUCE LAP-HF I). <i>Circulation: Heart Failure</i> , 2016 , 9,	7.6	37
113	Optimal Hemodynamics During Left Ventricular Assist Device Support Are Associated With Reduced Readmission Rates. <i>Circulation: Heart Failure</i> , 2019 , 12, e005094	7.6	36
112	Impact of Hemodynamic Ramp Test-Guided HVAD Speed and Medication Adjustments on Clinical Outcomes. <i>Circulation: Heart Failure</i> , 2019 , 12, e006067	7.6	35
111	Heart failure with normal ejection fraction: consideration of mechanisms other than diastolic dysfunction. <i>Current Heart Failure Reports</i> , 2009 , 6, 57-64	2.8	33
110	Evaluation of triple-quantum-filtered ²³ Na NMR in monitoring of Intracellular Na content in the perfused rat heart: comparison of intra- and extracellular transverse relaxation and spectral amplitudes. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 336-45	4.4	33
109	Stress Testing in Asymptomatic Aortic Stenosis. <i>Circulation</i> , 2017 , 135, 1956-1976	16.7	31
108	Cardiovascular Simulation of Heart Failure Pathophysiology and Therapeutics. <i>Journal of Cardiac Failure</i> , 2016 , 22, 303-11	3.3	31

107	Hemodynamic Effects of Mechanical Circulatory Support Devices in Ventricular Septal Defect. <i>Circulation: Heart Failure</i> , 2019 , 12, e005981	7.6	31
106	Omega-3 Therapy Is Associated With Reduced Gastrointestinal Bleeding in Patients With Continuous-Flow Left Ventricular Assist Device. <i>Circulation: Heart Failure</i> , 2018 , 11, e005082	7.6	31
105	Diastolic pressure-volume quotient (DPVQ) as a novel echocardiographic index for estimation of LV stiffness in HFpEF. <i>Clinical Research in Cardiology</i> , 2015 , 104, 955-63	6.1	30
104	Right Ventricular Dysfunction in Acute Myocardial Infarction Complicated by Cardiogenic Shock: A Hemodynamic Analysis of the Should We Emergently Revascularize Occluded Coronaries for Cardiogenic Shock (SHOCK) Trial and Registry. <i>Journal of Cardiac Failure</i> , 2018 , 24, 148-156	3.3	30
103	Single-beat estimation of the left ventricular end-diastolic pressure-volume relationship in patients with heart failure. <i>Heart</i> , 2010 , 96, 213-9	5.1	29
102	Radio frequency transmymocardial revascularization enhances angiogenesis and causes myocardial denervation in canine model. <i>Lasers in Surgery and Medicine</i> , 2000 , 27, 18-28	3.6	28
101	Ventricular pump function in heart failure with normal ejection fraction: insights from pressure-volume measurements. <i>Progress in Cardiovascular Diseases</i> , 2006 , 49, 182-95	8.5	27
100	A randomized controlled trial to evaluate the safety and efficacy of cardiac contractility modulation in patients with moderately reduced left ventricular ejection fraction and a narrow QRS duration: study rationale and design. <i>Journal of Cardiac Failure</i> , 2015 , 21, 16-23	3.3	25
99	The impact of extra cardiac comorbidities on pressure volume relations in heart failure and preserved ejection fraction. <i>Journal of Cardiac Failure</i> , 2011 , 17, 547-55	3.3	25
98	Central and Peripheral Determinants of Exercise Capacity in Heart Failure Patients With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2019 , 7, 321-332	7.9	22
97	Histologic evidence that basic fibroblast growth factor enhances the angiogenic effects of transmymocardial laser revascularization. <i>Basic Research in Cardiology</i> , 2000 , 95, 55-63	11.8	22
96	Increasing Opportunity for Lung Transplant in Interstitial Lung Disease With Pulmonary Hypertension. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 1812-1819	2.7	22
95	Long-Acting Octreotide Reduces the Recurrence of Gastrointestinal Bleeding in Patients With a Continuous-Flow Left Ventricular Assist Device. <i>Journal of Cardiac Failure</i> , 2018 , 24, 249-254	3.3	21
94	Cannula and Pump Positions Are Associated With Left Ventricular Unloading and Clinical Outcome in Patients With HeartWare Left Ventricular Assist Device. <i>Journal of Cardiac Failure</i> , 2018 , 24, 159-166	3.3	20
93	Left ventricular assist device-induced reverse remodeling: it's not just about myocardial recovery. <i>Expert Review of Medical Devices</i> , 2017 , 14, 15-26	3.5	20
92	Functional mitral regurgitation: therapeutic strategies for a ventricular disease. <i>Journal of Cardiac Failure</i> , 2014 , 20, 252-67	3.3	19
91	Initial experience with telemonitoring in left ventricular assist device patients. <i>Journal of Thoracic Disease</i> , 2019 , 11, S853-S863	2.6	18
90	Organ-level validation of a cross-bridge cycling descriptor in a left ventricular finite element model: effects of ventricular loading on myocardial strains. <i>Physiological Reports</i> , 2017 , 5, e13392	2.6	18

89	Assessment of segmental wall motion abnormalities using contrast two-dimensional echocardiography in awake mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1729-35	5.2	18
88	Impact of Baseline Hemodynamics on the Effects of a Transcatheter Interatrial Shunt Device in Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2018 , 11, e004540	7.6	18
87	Hemodynamics of Cardiogenic Shock. <i>Interventional Cardiology Clinics</i> , 2017 , 6, 359-371	1.4	17
86	Association of Inflow Cannula Position with Left Ventricular Unloading and Clinical Outcomes in Patients with HeartMate II Left Ventricular Assist Device. <i>ASAIO Journal</i> , 2019 , 65, 331-335	3.6	17
85	Admission Cardiac Diagnostic Testing with Electrocardiography and Troponin Measurement Prognosticates Increased 30-Day Mortality in COVID-19. <i>Journal of the American Heart Association</i> , 2021 , 10, e018476	6	17
84	Levosimendan Improves Hemodynamics and Exercise Tolerance in PH-HFpEF: Results of the Randomized Placebo-Controlled HELP Trial. <i>JACC: Heart Failure</i> , 2021 , 9, 360-370	7.9	16
83	Partial LVAD restores ventricular outputs and normalizes LV but not RV stress distributions in the acutely failing heart in silico. <i>International Journal of Artificial Organs</i> , 2016 , 39, 421-430	1.9	16
82	Long-term clinical experience with cardiac contractility modulation therapy delivered by the Optimizer Smart system. <i>European Journal of Heart Failure</i> , 2021 , 23, 1160-1169	12.3	14
81	Comparison of Percutaneous and Surgical Right Ventricular Assist Device Support After Durable Left Ventricular Assist Device Insertion. <i>Journal of Cardiac Failure</i> , 2019 , 25, 105-113	3.3	14
80	Effective Arterial Elastance in the Pulmonary Arterial Circulation: Derivation, Assumptions, and Clinical Applications. <i>Circulation: Heart Failure</i> , 2020 , 13, e006591	7.6	13
79	Phenotyping Cardiogenic Shock. <i>Journal of the American Heart Association</i> , 2021 , 10, e020085	6	13
78	Mechanical support of the pressure overloaded right ventricle: an acute feasibility study comparing low and high flow support. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H615-24	5.2	12
77	Obesity, venous capacitance, and venous compliance in heart failure with preserved ejection fraction. <i>European Journal of Heart Failure</i> , 2021 , 23, 1648-1658	12.3	12
76	Trends in the Incidence of In-Hospital Mortality, Cardiogenic Shock, and Utilization of Mechanical Circulatory Support Devices in Myocarditis (Analysis of National Inpatient Sample Data, 2005-2014). <i>Journal of Cardiac Failure</i> , 2019 , 25, 457-467	3.3	11
75	Conceptual Considerations for Device-Based Therapy in Acute Decompensated Heart Failure: DRIPS. <i>Circulation: Heart Failure</i> , 2020 , 13, e006731	7.6	11
74	Low-flow support of the chronic pressure-overloaded right ventricle induces reversed remodeling. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 151-160	5.8	11
73	Clinical Outcomes Associated With Acute Mechanical Circulatory Support Utilization in Heart Failure Related Cardiogenic Shock. <i>Circulation: Heart Failure</i> , 2021 , 14, e007924	7.6	11
72	Discordance Between Clinical Assessment and Invasive Hemodynamics in Patients With Advanced Heart Failure. <i>Journal of Cardiac Failure</i> , 2020 , 26, 128-135	3.3	11

71	Assessment of Predictors of Left Atrial Volume Response to a Transcatheter InterAtrial Shunt Device (from the REDUCE LAP-HF Trial). <i>American Journal of Cardiology</i> , 2019 , 124, 1912-1917	3	10
70	Avoiding hemodynamic collapse during high-risk percutaneous coronary intervention: Advanced hemodynamics of impella support. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 89, 672-675	2.7	10
69	"Responder analysis" for assessing effectiveness of heart failure therapies based on measures of exercise tolerance. <i>Journal of Cardiac Failure</i> , 2009 , 15, 108-15	3.3	10
68	Splanchnic Nerve Block Mediated Changes in Stressed Blood Volume in Heart Failure. <i>JACC: Heart Failure</i> , 2021 , 9, 293-300	7.9	10
67	Impact of Interatrial Shunts on Invasive Hemodynamics and Exercise Tolerance in Patients With Heart Failure. <i>Journal of the American Heart Association</i> , 2020 , 9, e016760	6	9
66	Continuous-flow left ventricular assist devices induce left ventricular reverse remodeling. <i>Journal of Heart and Lung Transplantation</i> , 2013 , 32, 466-8	5.8	8
65	Pacemaker-Mediated Programmable Hypertension Control Therapy. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	8
64	Pathophysiology and Advanced Hemodynamic Assessment of Cardiogenic Shock. <i>Methodist DeBakey Cardiovascular Journal</i> , 2020 , 16, 7-15	2.1	8
63	Splanchnic nerve modulation in heart failure: mechanistic overview, initial clinical experience, and safety considerations. <i>European Journal of Heart Failure</i> , 2021 , 23, 1076-1084	12.3	8
62	First-in-human experience with occlusion of the superior vena cava to reduce cardiac filling pressures in congestive heart failure. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 93, 1205-1210	2.7	7
61	Does contractility modulation have a role in the treatment of heart failure?. <i>Current Heart Failure Reports</i> , 2011 , 8, 260-5	2.8	7
60	Diastolic heart failure. <i>New England Journal of Medicine</i> , 2004 , 351, 1143-5; author reply 1143-5	59.2	7
59	Identification of physiologic treatment targets with favourable haemodynamic consequences in heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020 , 7, 3685	3.7	7
58	Improvement in Biventricular Cardiac Function After Ambulatory Counterpulsation. <i>Journal of Cardiac Failure</i> , 2019 , 25, 20-26	3.3	7
57	Sex Differences in the Phenotype of Transthyretin Cardiac Amyloidosis Due to Val122Ile Mutation: Insights from Noninvasive Pressure-Volume Analysis. <i>Journal of Cardiac Failure</i> , 2021 , 27, 67-74	3.3	7
56	Repeated Ramp Tests on Stable LVAD Patients Reveal Patient-Specific Hemodynamic Fingerprint. <i>ASAIO Journal</i> , 2018 , 64, 701-707	3.6	7
55	Latent Pulmonary Vascular Disease May Alter the Response to Therapeutic Atrial Shunt Device in Heart Failure.. <i>Circulation</i> , 2022 ,	16.7	7
54	Systolic and diastolic unloading by mechanical support of the acute vs the chronic pressure overloaded right ventricle. <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 457-465	5.8	6

53	Right Ventricular-Pulmonary Arterial Coupling in Patients With HF Secondary MR: Analysis From the COAPT Trial. <i>JACC: Cardiovascular Interventions</i> , 2021 , 14, 2231-2242	5	6
52	Hemodynamic Effects of Concomitant Mitral Valve Surgery and Left Ventricular Assist Device Implantation. <i>ASAIO Journal</i> , 2020 , 66, 355-361	3.6	6
51	Intermittent Occlusion of the Superior Vena Cava Reduces Cardiac Filling Pressures in Preclinical Models of Heart Failure. <i>Journal of Cardiovascular Translational Research</i> , 2020 , 13, 151-157	3.3	6
50	Reverse Remodeling With Left Ventricular Assist Devices. <i>Circulation Research</i> , 2021 , 128, 1594-1612	15.7	6
49	Changes in Stressed Blood Volume with Levosimendan in Pulmonary Hypertension from Heart Failure with Preserved Ejection Fraction: Insights Regarding Mechanism of Action From the HELP Trial. <i>Journal of Cardiac Failure</i> , 2021 , 27, 1023-1026	3.3	6
48	Distinct Hemodynamic Changes After Interventional Mitral Valve Edge-to-Edge Repair in Different Phenotypes of Heart Failure: An Integrated Hemodynamic Analysis. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	5
47	Hemodynamic Support: Science and Evaluation of the Assisted Circulation with Percutaneous Assist Devices. <i>Interventional Cardiology Clinics</i> , 2013 , 2, 407-416	1.4	5
46	Characterization of cardiac acoustic biomarkers in patients with heart failure. <i>Annals of Noninvasive Electrocardiology</i> , 2020 , 25, e12717	1.5	5
45	Left Ventricular Volume Reduction and Reshaping as a Treatment Option for Heart Failure. <i>Structural Heart</i> , 2020 , 4, 264-283	0.6	4
44	Echocardiographic Predictors of Hemodynamics in Patients Supported With Left Ventricular Assist Devices. <i>Journal of Cardiac Failure</i> , 2018 , 24, 561-567	3.3	4
43	Estimation of Stressed Blood Volume in Patients With Cardiogenic Shock From Acute Myocardial Infarction and Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2021 , 27, 1141-1145	3.3	4
42	Dual Vasopressin Receptor Antagonism to Improve Congestion in Patients With Acute Heart Failure: Design of the AVANTI Trial. <i>Journal of Cardiac Failure</i> , 2021 , 27, 233-241	3.3	4
41	Right Ventricular Afterload Sensitivity Has Been on My Mind. <i>Circulation: Heart Failure</i> , 2019 , 12, e006345	5.6	3
40	Longitudinal Trajectories of Hemodynamics Following Left Ventricular Assist Device Implantation. <i>Journal of Cardiac Failure</i> , 2020 , 26, 383-390	3.3	3
39	Fluorescence changes on contractile activation in TnC(DANZ) labeled skinned rabbit psoas fibers. <i>Journal of Muscle Research and Cell Motility</i> , 2001 , 22, 635-46	3.5	3
38	Effect of Empagliflozin on Blood Volume Redistribution in Patients With Chronic Heart Failure and Reduced Ejection Fraction: An Analysis from the Empire HF Randomized Clinical Trial. <i>Circulation: Heart Failure</i> , 2021 ,	7.6	3
37	Right Ventricular Dysfunction Is Common and Identifies Patients at Risk of Dying in Cardiogenic Shock. <i>Journal of Cardiac Failure</i> , 2021 , 27, 1061-1072	3.3	3
36	Cardiac Contractility Modulation in Patients with Ischemic versus Non-ischemic Cardiomyopathy: Results from the MAINTAINED Observational Study. <i>International Journal of Cardiology</i> , 2021 , 342, 49-55 ³⁻²		3

35	Post-TAVR Heart Failure. <i>Structural Heart</i> , 2018 , 2, 286-290	0.6	2
34	Intermittent Occlusion of the Superior Vena Cava to Improve Hemodynamics in Patients With Acutely Decompensated Heart Failure: The VENUS-HF Early Feasibility Study.. <i>Circulation: Heart Failure</i> , 2022 , CIRCHEARTFAILURE121008934	7.6	2
33	Invasive Right Ventricular Pressure-Volume Analysis: Basic Principles, Clinical Applications, and Practical Recommendations.. <i>Circulation: Heart Failure</i> , 2021 , CIRCHEARTFAILURE121009101	7.6	2
32	Normalized Diastolic Properties After Left Ventricular Assist Result From Reverse Remodeling of Chamber Geometry. <i>Circulation</i> , 2001 , 104,	16.7	2
31	Levosimendan-induced venodilation is mediated by opening of potassium channels. <i>ESC Heart Failure</i> , 2021 ,	3.7	2
30	Endovascular Ablation of the Right Greater Splanchnic Nerve for the Treatment of Heart Failure with Preserved Ejection Fraction - First-in-human Clinical Trial. <i>Journal of Cardiac Failure</i> , 2020 , 26, 1110-1111	3.3	2
29	Oral Milrinone for the Treatment of Chronic Severe Right Ventricular Failure in Left Ventricular Assist Device Patients. <i>Circulation: Heart Failure</i> , 2021 , 14, e007286	7.6	2
28	Underutilized Fuel: Angiotensin II for Vasoplegia in the Heart Failure Patient Population. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 3843	2.1	2
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