

Daniel Burkhoff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
177	Grace Under Pressure.. <i>Circulation: Heart Failure</i> , 2022 , CIRCHEARTFAILURE122009513	7.6	
176	A Glimpse Into the Future of Transcatheter Interventional Heart Failure Therapies.. <i>JACC Basic To Translational Science</i> , 2022 , 7, 181-191	8.7	0
175	Latent Pulmonary Vascular Disease May Alter the Response to Therapeutic Atrial Shunt Device in Heart Failure.. <i>Circulation</i> , 2022 ,	16.7	7
174	Targeting Preload in Heart Failure: Splanchnic Nerve Blockade and Beyond.. <i>Circulation: Heart Failure</i> , 2022 , 15, e009340	7.6	0
173	Recovery With Temporary Mechanical Circulatory Support While Waitlisted for Heart Transplantation.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 900-913	15.1	2
172	Venous Tone and Stressed Blood Volume in Heart Failure: JACC Review Topic of the Week.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 1858-1869	15.1	2
171	Machine Learning-Based Prediction of Myocardial Recovery in Patients With Left Ventricular Assist Device Support.. <i>Circulation: Heart Failure</i> , 2021 , CIRCHEARTFAILURE121008711	7.6	0
170	Invasive Right Ventricular Pressure-Volume Analysis: Basic Principles, Clinical Applications, and Practical Recommendations.. <i>Circulation: Heart Failure</i> , 2021 , CIRCHEARTFAILURE121009101	7.6	2
169	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
168	Rupture of Papillary Muscle and Chordae Tendinae Complicating STEMI: A Call for Action. <i>ASAIO Journal</i> , 2021 , 67, 907-916	3.6	0
167	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
166	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
165	Levosimendan-induced venodilation is mediated by opening of potassium channels. <i>ESC Heart Failure</i> , 2021 ,	3.7	2
164	Pressure-Volume Analysis Illustrating the Mechanisms of Short-Term Hemodynamic Effects Produced by Premature Ventricular Contractions. <i>Circulation: Heart Failure</i> , 2021 , 14, e007766	7.6	1
163	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
162	Right Ventricular Pressure-Volume Analysis During a Left Ventricular Assist Device Speed Optimization Study. <i>Circulation: Heart Failure</i> , 2021 , 14, e008014	7.6	1

161	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
160	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
159	Splanchnic Nerve Block Mediated Changes in Stressed Blood Volume in Heart Failure. <i>JACC: Heart Failure</i> , 2021 , 9, 293-300	7.9	10
158	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
157	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
156	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
155	Reverse Remodeling With Left Ventricular Assist Devices. <i>Circulation Research</i> , 2021 , 128, 1594-1612	15.7	6
154	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
153	Aortic Pulsatility Index: A Novel Hemodynamic Variable for Evaluation of Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2021 , 27, 1045-1052	3.3	0
152	Theoretical considerations for a left atrial pump in heart failure with preserved ejection fraction. <i>Heart Failure Reviews</i> , 2021 , 1	5	1
151	Salutary Acute Effects of Exercise on Central Hemodynamics in Heart Failure With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2021 , 27, 1313-1320	3.3	0
150	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
149	Phenotyping Cardiogenic Shock. <i>Journal of the American Heart Association</i> , 2021 , 10, e020085	6	13
148	Commentary: Pumps for pEF. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 162, 127-128	1.5	2
147	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
146	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
145	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
144	Right Ventricular Pressure-Volume Analysis Before and After Transcatheter Leaflet Approximation for Severe Mitral Regurgitation. <i>JAMA Cardiology</i> , 2021 , 6, e207209	16.2	1

143	Impact of Age on Outcomes in Patients With Cardiogenic Shock. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 688098	5.4	0
142	Pacemaker-Based Cardiac Neuromodulation Therapy in Patients With Hypertension: A Pilot Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e020492	6	2
141	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
140	Comprehensive Physiological Modeling Provides Novel Insights Into Heart Failure With Preserved Ejection Fraction Physiology. <i>Journal of the American Heart Association</i> , 2021 , 10, e021584	6	2
139	Right Ventricular Pressure-Volume Analysis During Left Ventricular Assist Device Speed Optimization Studies: Insights Into Interventricular Interactions and Right Ventricular Failure. <i>Journal of Cardiac Failure</i> , 2021 , 27, 991-1001	3.3	1
138	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
137	First-in-Man 4-Chamber Pressure-Volume Analysis During Transcatheter Aortic Valve Replacement for Bicuspid Aortic Valve Disease. <i>JACC: Case Reports</i> , 2021 , 3, 77-81	1.2	1
136	Conceptual Considerations for Device-Based Therapy in Acute Decompensated Heart Failure: DRIPS. <i>Circulation: Heart Failure</i> , 2020 , 13, e006731	7.6	11
135	Congestion in heart failure: a contemporary look at physiology, diagnosis and treatment. <i>Nature Reviews Cardiology</i> , 2020 , 17, 641-655	14.8	41
134	Left Ventricular Volume Reduction and Reshaping as a Treatment Option for Heart Failure. <i>Structural Heart</i> , 2020 , 4, 264-283	0.6	4
133	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
132	Transcatheter Aortic Valve Replacement in Left Ventricular Assist Device Patients with Aortic Regurgitation. <i>Structural Heart</i> , 2020 , 4, 107-112	0.6	1
131	COVID-19 and Cardiovascular Disease. <i>Circulation</i> , 2020 , 141, 1648-1655	16.7	963
130	The Variety of Cardiovascular Presentations of COVID-19. <i>Circulation</i> , 2020 , 141, 1930-1936	16.7	343
129	Effective Arterial Elastance in the Pulmonary Arterial Circulation: Derivation, Assumptions, and Clinical Applications. <i>Circulation: Heart Failure</i> , 2020 , 13, e006591	7.6	13
128	Longitudinal Trajectories of Hemodynamics Following Left Ventricular Assist Device Implantation. <i>Journal of Cardiac Failure</i> , 2020 , 26, 383-390	3.3	3
127	Pathophysiology and Advanced Hemodynamic Assessment of Cardiogenic Shock. <i>Methodist DeBakey Cardiovascular Journal</i> , 2020 , 16, 7-15	2.1	8
126	Characterization of cardiac acoustic biomarkers in patients with heart failure. <i>Annals of Noninvasive Electrocardiology</i> , 2020 , 25, e12717	1.5	5

125	Hemodynamic Effects of Concomitant Mitral Valve Surgery and Left Ventricular Assist Device Implantation. <i>ASAIO Journal</i> , 2020 , 66, 355-361	3.6	6
124	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
123	Estimation of Central Venous Pressure by Pacemaker Lead Impedances in Left Ventricular Assist Device Patients. <i>ASAIO Journal</i> , 2020 , 66, 49-54	3.6	1
122	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
121	Letter by O'Neill and Burkhoff Regarding Article, "The Evolving Landscape of Impella Use in the United States Among Patients Undergoing Percutaneous Coronary Intervention With Mechanical Circulatory Support". <i>Circulation</i> , 2020 , 142, e78-e79	16.7	
120	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
119	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
118	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
117	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
116	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
115	Invasive left ventricle pressure-volume analysis: overview and practical clinical implications. <i>European Heart Journal</i> , 2020 , 41, 1286-1297	9.5	56
114	Value of Hemodynamic Monitoring in Patients With Cardiogenic Shock Undergoing Mechanical Circulatory Support. <i>Circulation</i> , 2020 , 141, 1184-1197	16.7	52
113	Right Ventricular Afterload Sensitivity Has Been on My Mind. <i>Circulation: Heart Failure</i> , 2019 , 12, e006345	4.6	3
112	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
111	Initial experience with telemonitoring in left ventricular assist device patients. <i>Journal of Thoracic Disease</i> , 2019 , 11, S853-S863	2.6	18
110	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
109	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 2019. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, 29-37	2.7	236
108	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

107	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
106	The continuous heart failure spectrum: moving beyond an ejection fraction classification. <i>European Heart Journal</i> , 2019 , 40, 2155-2163	9.5	107
105	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
104	Hemodynamic Effects of Mechanical Circulatory Support Devices in Ventricular Septal Defect. <i>Circulation: Heart Failure</i> , 2019 , 12, e005981	7.6	31
103	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
102	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
101	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
100	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
99	Improvement in Biventricular Cardiac Function After Ambulatory Counterpulsation. <i>Journal of Cardiac Failure</i> , 2019 , 25, 20-26	3.3	7
98	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
97	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
96	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
95	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
94	3D Morphological Changes in LV and RV During LVAD Ramp Studies. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 159-169	8.4	39
93	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
92	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
91	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
90	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

89	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
88	Post-TAVR Heart Failure. <i>Structural Heart</i> , 2018 , 2, 286-290	0.6	2
87	Repeated Ramp Tests on Stable LVAD Patients Reveal Patient-Specific Hemodynamic Fingerprint. <i>ASAIO Journal</i> , 2018 , 64, 701-707	3.6	7
86	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
85	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
84	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
83	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
82	Venoarterial Extracorporeal Membrane Oxygenation for Cardiogenic Shock and Cardiac Arrest. <i>Circulation: Heart Failure</i> , 2018 , 11, e004905	7.6	144
81	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
80	Rationale and evidence for the development of a durable device-based cardiac neuromodulation therapy for hypertension. <i>Journal of the American Society of Hypertension</i> , 2018 , 12, 381-391		1
79	Mechanical Unloading in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 569-580	15.1	76
78	Stress Testing in Asymptomatic Aortic Stenosis. <i>Circulation</i> , 2017 , 135, 1956-1976	16.7	31
77	Hemodynamics of Cardiogenic Shock. <i>Interventional Cardiology Clinics</i> , 2017 , 6, 359-371	1.4	17
76	Device-based Therapy for Mitral Regurgitation and Ventricular Reshaping. <i>Structural Heart</i> , 2017 , 1, 195-198	1.8	1
75	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
74	Mechanical Circulatory Support Devices for Acute Right Ventricular Failure. <i>Circulation</i> , 2017 , 136, 314-326	6.7	125
73	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
72	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

71	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
70	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
69	Pacemaker-Mediated Programmable Hypertension Control Therapy. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	8
68	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
67	Hemodynamic Ramp Tests in Patients With Left Ventricular Assist Devices. <i>JACC: Heart Failure</i> , 2016 , 4, 208-17	7.9	118
66	Cardiovascular Simulation of Heart Failure Pathophysiology and Therapeutics. <i>Journal of Cardiac Failure</i> , 2016 , 22, 303-11	3.3	31
65	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
64	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
63	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
62	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
61	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
60	Hemodynamics of Mechanical Circulatory Support. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2663-2674	15.1	285
59	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
58	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
57	Functional mitral regurgitation: therapeutic strategies for a ventricular disease. <i>Journal of Cardiac Failure</i> , 2014 , 20, 252-67	3.3	19
56	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
55	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
54	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

53	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
52	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
51	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
50	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
49	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
48	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
47	Mechanisms underlying improvements in ejection fraction with carvedilol in heart failure. <i>Circulation: Heart Failure</i> , 2009 , 2, 189-96	7.6	51
46	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
45	"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
44	A multicenter study of noninvasive cardiac output by bioimpedance during symptom-limited exercise. <i>Journal of Cardiac Failure</i> , 2009 , 15, 689-99	3.3	42
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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

35	The Relationship of Left Ventricular Function and Plasma Concentration of BNP and NT-proBNP in Patients with Asymptomatic Diastolic Dysfunction and Diastolic Heart Failure. <i>FASEB Journal</i> , 2007 , 21, A1256	0.9	
34	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
33	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
32	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
31	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
30	LVAD-induced reverse remodeling: basic and clinical implications for myocardial recovery. <i>Journal of Cardiac Failure</i> , 2006 , 12, 227-39	3.3	147
29	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
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