Christopher A Miller

List of Publications by Year
in descending order

64 papers	1,994 citations	331670 21 h-index	254184 43 g-index
66 all docs	66 docs citations	66 times ranked	3212 citing authors

#	Article	IF	Citations
1	Comprehensive Validation of Cardiovascular Magnetic Resonance Techniques for the Assessment of Myocardial Extracellular Volume. Circulation: Cardiovascular Imaging, 2013, 6, 373-383.	2.6	324
2	Myocardial Fibrosis Quantified by Extracellular Volume Is Associated With Subsequent Hospitalization for Heart Failure, Death, or Both Across the Spectrum of Ejection Fraction and Heart Failure Stage. Journal of the American Heart Association, 2015, 4, .	3.7	174
3	Temporal Relation Between Myocardial Fibrosis and Heart Failure With Preserved Ejection Fraction. JAMA Cardiology, 2017, 2, 995.	6.1	164
4	Biological Phenotypes of Heart Failure With Preserved Ejection Fraction. Journal of the American College of Cardiology, 2017, 70, 2186-2200.	2.8	159
5	Association of Cardiovascular Disease With Respiratory Disease. Journal of the American College of Cardiology, 2019, 73, 2166-2177.	2.8	104
6	Pirfenidone in heart failure with preserved ejection fraction: a randomized phase 2 trial. Nature Medicine, 2021, 27, 1477-1482.	30.7	92
7	Multiparametric Cardiovascular Magnetic Resonance Assessment of Cardiac Allograft Vasculopathy. Journal of the American College of Cardiology, 2014, 63, 799-808.	2.8	82
8	Improved Risk Stratification for Ventricular Arrhythmias and Sudden Death in Patients With Nonischemic Dilated Cardiomyopathy. Journal of the American College of Cardiology, 2021, 77, 2890-2905.	2.8	82
9	Clinical applications of multi-parametric CMR in myocarditis and systemic inflammatory diseases. International Journal of Cardiovascular Imaging, 2018, 34, 35-54.	1.5	79
10	Extracellular Volume Associates WithÂOutcomes More Strongly Than Native or Post-Contrast Myocardial T1. JACC: Cardiovascular Imaging, 2020, 13, 44-54.	5.3	68
11	Non-invasive approaches for the diagnosis of acute cardiac allograft rejection. Heart, 2013, 99, 445-453.	2.9	62
12	Multiparametric cardiovascular magnetic resonance surveillance of acute cardiac allograft rejection and characterisation of transplantation-associated myocardial injury: a pilot study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 52.	3.3	51
13	Quantification of left ventricular indices from SSFP cine imaging: Impact of realâ€world variability in analysis methodology and utility of geometric modeling. Journal of Magnetic Resonance Imaging, 2013, 37, 1213-1222.	3.4	49
14	Pirfenidone in Heart Failure with Preserved Ejection Fractionâ€"Rationale and Design of the PIROUETTE Trial. Cardiovascular Drugs and Therapy, 2019, 33, 461-470.	2.6	48
15	Extracellular Volume and Global Longitudinal Strain Both Associate WithÂOutcomes But Correlate Minimally. JACC: Cardiovascular Imaging, 2020, 13, 2343-2354.	5.3	42
16	Cardiac MRI of patients with implanted electrical cardiac devices. Heart, 2014, 100, 363-369.	2.9	35
17	Voxel-wise quantification of myocardial blood flow with cardiovascular magnetic resonance: effect of variations in methodology and validation with positron emission tomography. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 11.	3.3	31
18	Numerical Study of Atrial Fibrillation Effects on Flow Distribution in Aortic Circulation. Annals of Biomedical Engineering, 2020, 48, 1291-1308.	2.5	29

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19	Role of Noninvasive Imaging in the Diagnosis of Cardiac Allograft Vasculopathy. Circulation: Cardiovascular Imaging, 2011, 4, 583-593.	2.6	27
20	Incidental extra-cardiac findings on clinical CMR. European Heart Journal Cardiovascular Imaging, 2013, 14, 158-166.	1.2	24
21	Comparison of local sine wave modeling with harmonic phase analysis for the assessment of myocardial strain. Journal of Magnetic Resonance Imaging, 2013, 38, 320-328.	3.4	22
22	Comparison of real-time three-dimensional echocardiography with cardiovascular magnetic resonance for left ventricular volumetric assessment in unselected patients. European Heart Journal Cardiovascular Imaging, 2012, 13, 187-195.	1.2	21
23	Substrate for the MyocardialÂInflammationâ€“Heart Failure Hypothesis Identified Using NovelÂUSPIOÂMethodology. JACC: Cardiovascular Imaging, 2021, 14, 365-376.	5.3	20
24	Major Adverse Cardiovascular Events Following Simultaneous Pancreas and Kidney Transplantation in the United Kingdom. Diabetes Care, 2019, 42, 665-673.	8.6	16
25	Effects of Ageing on Aortic Circulation During Atrial Fibrillation; a Numerical Study on Different Aortic Morphologies. Annals of Biomedical Engineering, 2021, 49, 2196-2213.	2.5	16
26	Demographic, multi-morbidity and genetic impact on myocardial involvement and its recovery from COVID-19: protocol design of COVID-HEARTâ€”a UK, multicentre, observational study. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 77.	3.3	14
27	Considerations for Clinical Trials Targeting the Myocardial Interstitium. JACC: Cardiovascular Imaging, 2019, 12, 2319-2331.	5.3	12
28	An Ex Vivo Evaluation of Tomographic 3-D Ultrasound, B-Mode Ultrasound, CT And MR Imaging to Measure Artery Diameter, Length and Wall Volume. Ultrasound in Medicine and Biology, 2019, 45, 2819-2829.	1.5	12
29	Mechanisms Underlying the Association of Chronic Obstructive Pulmonary Disease With HeartÂFailure. JACC: Cardiovascular Imaging, 2021, 14, 1963-1973.	5.3	12
30	Microvascular Dysfunction in Heart Failure with Preserved Ejection Fraction: Pathophysiology, Assessment, Prevalence and Prognosis. Cardiac Failure Review, 0, 8, .	3.0	12
31	The effect of 1.5â€‰T cardiac magnetic resonance on human circulating leucocytes. European Heart Journal, 2018, 39, 305-312.	2.2	10
32	Myocardial involvement in eosinophilic granulomatosis with polyangiitis evaluated with cardiopulmonary magnetic resonance. International Journal of Cardiovascular Imaging, 2021, 37, 1371-1381.	1.5	10
33	Comprehensive Characterization of Constrictive Pericarditis Using Multiparametric CMR. JACC: Cardiovascular Imaging, 2011, 4, 917-920.	5.3	9
34	Prognostic impact of late gadolinium enhancement at the right ventricular insertion points in non-ischaemic dilated cardiomyopathy. European Heart Journal Cardiovascular Imaging, 2023, 24, 346-353.	1.2	9
35	Quantitative pixel-wise measurement of myocardial blood flow: The impact of surface coil-related field inhomogeneity and a comparison of methods for its correction. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 11.	3.3	8
36	Predicting hospitalisation for heart failure and death in patients with, or at risk of, heart failure before first hospitalisation: a retrospective model development and external validation study. The Lancet Digital Health, 2022, 4, e445-e454.	12.3	8

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37	Epicardial Lipomatous Hypertrophy Mimicking Pericardial Effusion. Circulation: Cardiovascular Imaging, 2011, 4, 77-78.	2.6	7
38	Cardiovascular magnetic resonance validation of fractional changes in annuloâ€apical angles and tricuspid annular plane systolic excursion for rapid assessment of right ventricular systolic function. Journal of Magnetic Resonance Imaging, 2014, 40, 133-139.	3.4	6
39	Cardiac Amyloidosis as a Potential Confounder in Heart Failure With Preserved Ejection Fraction Trials. JACC: Heart Failure, 2017, 5, 617.	4.1	6
40	Multiparametric Cardiovascular Magnetic Resonance Assessment of Pacemaker-Induced Alterations in Ventricular Activation and Function. Circulation, 2012, 126, e47-51.	1.6	4
41	Response to Letter Regarding Article, â€œComprehensive Validation of Cardiovascular Magnetic Resonance Techniques for the Assessment of Myocardial Extracellular Volumeâ€. Circulation: Cardiovascular Imaging, 2013, 6, e26-7.	2.6	4
42	The Value of Cardiovascular Magnetic Resonance in Heart Transplant Patients. Current Cardiology Reports, 2015, 17, 612.	2.9	4
43	The utility of cardiovascular imaging in heart failure with preserved ejection fraction: diagnosis, biological classification and risk stratification. Heart Failure Reviews, 2021, 26, 661-678.	3.9	4
44	Cardiac involvement in cystic fibrosis evaluated using cardiopulmonary magnetic resonance. International Journal of Cardiovascular Imaging, 2022, 38, 1121-1131.	1.5	4
45	Impact of Myocardial Fibrosis on Cardiovascular Structure, Function and Functional Status in Heart Failure with Preserved Ejection Fraction. Journal of Cardiovascular Translational Research, 2022, 15, 1436-1443.	2.4	4
46	Myocardial tissue characteristics undoubtedly differ by gender but not age. European Heart Journal Cardiovascular Imaging, 2018, 19, 611-612.	1.2	3
47	Letter by Lewis et al Regarding Article, â€œEffect of Intensive Blood Pressure Lowering on Left Ventricular Hypertrophy in Patients With Hypertension: SPRINT (Systolic Blood Pressure Intervention) Tj ETQq1 1 0.784314 rgBT /Ove	17	
48	The Diagnostic and Prognostic Utility of Contemporary Cardiac Magnetic Resonance in Suspected Acute Myocarditis. Diagnostics, 2022, 12, 156.	2.6	2
49	Predictors of myocardial fibrosis and response to anti-fibrotic therapy in heart failure with preserved ejection fraction. International Journal of Cardiovascular Imaging, 2022, 38, 1569-1578.	1.5	2
50	Characteristics Associated With Growth Differentiation Factor 15 in Heart Failure With Preserved Ejection Fraction and the Impact of Pirfenidone. Journal of the American Heart Association, 0, , .	3.7	2
51	Diagnosing Cardiac Allograft Vasculopathy. JACC: Cardiovascular Imaging, 2016, 9, 267-268.	5.3	1
52	Subjects With Extreme-Duration Type 1 Diabetes Exhibit No Structural or Functional Abnormality on Cardiac MRI. Diabetes Care, 2016, 39, e167-e168.	8.6	1
53	Ventricular Arrhythmias and Sudden Death in Nonischemic Dilated Cardiomyopathy: Matter of Sex or Scar?. Journal of Cardiac Failure, 2022, 28, 1278-1286.	1.7	1
54	An unusual case of cardiomyopathy. British Journal of Hospital Medicine (London, England: 2005), 2006, 67, 546-547.	0.5	0

#	Article	IF	Citations
55	Diagnosis of Acute Myocarditis by Cardiovascular Magnetic Resonance in a Patient With Chest Pain, Positive Troponin, and Normal Coronary Arteries. Journal of the American College of Cardiology, 2009, 55, 74.	2.8	0
56	Preimplant Transthoracic Echocardiographic Assessment of Continuous Flow Left Ventricular Assist Device. Echocardiography, 2012, 29, 52-58.	0.9	0
57	Republished: Cardiac MRI of patients with implanted electrical cardiac devices. Postgraduate Medical Journal, 2014, 90, 715-721.	1.8	0
58	Letter by Lewis and Miller Regarding Article, â€œExperimentally Increasing the Compliance of Titin Through RNA Binding Motif-20 (RBM20) Inhibition Improves Diastolic Function in a Mouse Model of Heart Failure With Preserved Ejection Fractionâ€. Circulation, 2017, 135, e679-e680.	1.6	0
59	Outcome Measures in HFpEF Trials. Journal of the American College of Cardiology, 2017, 69, 1358-1359.	2.8	0
60	Unrecognized Myocardial Infarction. JACC: Cardiovascular Imaging, 2018, 11, 1782-1784.	5.3	0
61	Detecting the Prevalent Vulnerable Phenotype of Unrecognized Myocardial Infarction. Journal of the American College of Cardiology, 2020, 76, 958-960.	2.8	0
62	Circulating Biomarkers Specific to Myocardial Extracellular Matrix Are Required to Embrace the Heterogeneity of HFpEF. Journal of the American College of Cardiology, 2020, 76, 2416-2417.	2.8	0
63	Beyond Valvular Heart Disease. Journal of the American College of Cardiology, 2020, 75, 317-319.	2.8	0
64	Acute and Chronic Cardiopulmonary Effects of High Dose Interleukin-2 Therapy: An Observational Magnetic Resonance Imaging Study. Diagnostics, 2022, 12, 1352.	2.6	0