Calvin W L Chin

List of Publications by Year
in descending order

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51 papers	2,160 citations	361413 20 h-index	233421 45 g-index
52 all docs	52 docs citations	52 times ranked	2614 citing authors

#	Article	IF	Citations
1	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. JACC: Cardiovascular Imaging, 2017, 10, 1320-1333.	5.3	280
2	18F-Sodium Fluoride Uptake Is a Marker of Active Calcification and Disease Progression in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2014, 7, 371-378.	2.6	210
3	High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis. European Heart Journal, 2014, 35, 2312-2321.	2.2	193
4	Myocardial Scar and Mortality in Severe Aortic Stenosis. Circulation, 2018, 138, 1935-1947.	1.6	181
5	Extracellular Myocardial Volume in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2020, 75, 304-316.	2.8	141
6	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007451.	2.6	139
7	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. Circulation, 2014, 130, 1607-1616.	1.6	116
8	Optimization and comparison of myocardial T1 techniques at 3T in patients with aortic stenosis. European Heart Journal Cardiovascular Imaging, 2014, 15, 556-565.	1.2	96
9	A clinical risk score of myocardial fibrosis predicts adverse outcomes in aortic stenosis. European Heart Journal, 2016, 37, 713-723.	2.2	90
10	Valvular 18F-Fluoride and 18F-Fluorodeoxyglucose Uptake Predict Disease Progression and Clinical Outcome in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2015, 66, 1200-1201.	2.8	88
11	Echocardiography Underestimates Stroke Volume and Aortic Valve Area: Implications for Patients With Small-Area Low-Gradient Aortic Stenosis. Canadian Journal of Cardiology, 2014, 30, 1064-1072.	1.7	64
12	Risk Stratification in Patients With Aortic Stenosis Using Novel Imaging Approaches. Circulation: Cardiovascular Imaging, 2015, 8, e003421.	2.6	46
13	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 545-558.	2.8	41
14	A Machine-Learning Framework to Identify Distinct Phenotypes of AorticÂStenosis Severity. JACC: Cardiovascular Imaging, 2021, 14, 1707-1720.	5.3	39
15	Novel Index of Maladaptive Myocardial Remodeling in Hypertension. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	32
16	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. Heart, 2019, 105, 1818-1824.	2.9	30
17	T1 characteristics of interstitial pulmonary fibrosis on 3T MRI-a predictor of early interstitial change?. Quantitative Imaging in Medicine and Surgery, 2016, 6, 42-9.	2.0	25
18	Seipin Knockout Mice Develop HeartÂFailure With Preserved EjectionÂFraction. JACC Basic To Translational Science, 2019, 4, 924-937.	4.1	24

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19	Markers of left ventricular decompensation in aortic stenosis. Expert Review of Cardiovascular Therapy, 2014, 12, 901-912.	1.5	23
20	Adverse prognosis associated with asymmetric myocardial thickening in aortic stenosis. European Heart Journal Cardiovascular Imaging, 2018, 19, 347-356.	1.2	23
21	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. Heart, 2020, 106, 1236-1243.	2.9	22
22	Echocardiographic Global Longitudinal Strain Is Associated With Myocardial Fibrosis and Predicts Outcomes in Aortic Stenosis. Frontiers in Cardiovascular Medicine, 2021, 8, 750016.	2.4	19
23	Genetic Studies of Hypertrophic Cardiomyopathy in Singaporeans Identify Variants in TNNI3 and TNNT2 That Are Common in Chinese Patients. Circulation Genomic and Precision Medicine, 2020, 13, 424-434.	3.6	18
24	Endothelial function is associated with myocardial diastolic function in women with systemic lupus erythematosus. Rheumatology International, 2014, 34, 1281-1285.	3.0	17
25	The role of cardiac biochemical markers in aortic stenosis. Biomarkers, 2016, 21, 316-327.	1.9	15
26	Cardiac magnetic resonance T1 and extracellular volume mapping with motion correction and co-registration based on fast elastic image registration. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 115-129.	2.0	15
27	Cardiac myosin-binding protein C is a novel marker of myocardial injury and fibrosis in aortic stenosis. Heart, 2018, 104, 1101-1108.	2.9	15
28	Generating wall shear stress for coronary artery in real-time using neural networks: Feasibility and initial results based on idealized models. Computers in Biology and Medicine, 2020, 126, 104038.	7.0	15
29	Relationship of Quantitative Retinal Capillary Network and Myocardial Remodeling in Systemic Hypertension. Journal of the American Heart Association, 2022, 11, e024226.	3.7	14
30	Small Valve Area With Low-Gradient Aortic Stenosis. Journal of the American College of Cardiology, 2013, 62, 2339-2340.	2.8	12
31	Paradoxical Low-Gradient Aortic Stenosis. Journal of the American College of Cardiology, 2016, 67, 2447-2448.	2.8	12
32	High-Sensitivity cardiac Troponins in Cardio-Healthy Subjects: A Cardiovascular Magnetic Resonance Imaging Study. Scientific Reports, 2018, 8, 15409.	3.3	12
33	The application of exercise stress cardiovascular magnetic resonance in patients with suspected dilated cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 10.	3.3	12
34	The remodelling index risk stratifies patients with hypertensive left ventricular hypertrophy. European Heart Journal Cardiovascular Imaging, 2021, 22, 670-679.	1.2	12
35	What can we learn about valvular heart disease from PET/CT?. Future Cardiology, 2013, 9, 657-667.	1.2	10
36	Global Longitudinal Strain Analysis Using Cardiac MRI in Aortic Stenosis: Comparison with Left Ventricular Remodeling, Myocardial Fibrosis, and 2-year Clinical Outcomes. Radiology: Cardiothoracic Imaging, 2019, 1, e190027.	2.5	9

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37	Developing a normative database for retinal perfusion using optical coherence tomography angiography. Biomedical Optics Express, 2021, 12, 4032.	2.9	8
38	Paradoxical Higher Myocardial Wall Stress and Increased Cardiac Remodeling Despite Lower Mass in Females. Journal of the American Heart Association, 2020, 9, e014781.	3.7	7
39	Multiparametric exercise stress cardiovascular magnetic resonance in the diagnosis of coronary artery disease: the EMPIRE trial. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 17.	3.3	6
40	A novel cardiovascular magnetic resonance risk score for predicting mortality following surgical aortic valve replacement. Scientific Reports, 2021, 11, 20183.	3.3	6
41	Free floating thrombus in the right heart causing pulmonary embolism. Postgraduate Medical Journal, 2010, 86, 307-308.	1.8	4
42	Importance of Sex-Specific Regression Models to Estimate Synthetic Hematocrit and Extracellular Volume Fraction. JACC: Cardiovascular Imaging, 2018, 11, 1366-1367.	5.3	4
43	Paradoxical low-flow low-gradient aortic stenosis: advanced severe disease, a new entity or a progression of disease?. Heart, 2015, 101, 1079.2-1079.	2.9	2
44	First-phase ejection fraction by cardiovascular magnetic resonance predicts outcomes in aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 73.	3.3	2
45	Prognosis associated with geometric patterns of left ventricular remodeling: systematic review and network meta-analysis. F1000Research, 0, 8, 1130.	1.6	2
46	Association of Myocardial Fibrosis and Stroke Volume by Cardiovascular Magnetic Resonance in Patients With Severe Aortic Stenosis With Outcome After Valve Replacement. JAMA Cardiology, 2022, 7, 513.	6.1	2
47	An octogenarian with painless type A aortic dissection and cardiac tamponade. Postgraduate Medical Journal, 2012, 88, 729-730.	1.8	1
48	Assessment of Arterial Elastance and Ventricular-Arterial Coupling in Patients with Systemic Lupus Erythematosus. International Journal of Cardiology, 2014, 176, 504-505.	1.7	1
49	Feasibility to Perform T₂* Mapping Postcontrast Administration in Reperfused STEMI Patients for the Detection of Intramyocardial Hemorrhage. Journal of Magnetic Resonance Imaging, 2020, 51, 644-645.	3.4	1
50	Left Ventricular Fibrosis in Patients with Aortic Stenosis. , 2019, , 127-139.		0
51	Aortic Stenosis: The Old Disease With New (and Evolving) Faces. Journal of the American Heart Association, 2021, 10, e023531.	3.7	0