Saul G Myerson

List of Publications by Year
in descending order

126 papers	7,708 citations	81900 39 h-index	51608 86 g-index
130 all docs	130 docs citations	130 times ranked	8618 citing authors

#	Article	IF	Citations
1	4D flow cardiovascular magnetic resonance consensus statement. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 72.	3.3	642
2	Noncontrast T1 Mapping for the Diagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2013, 6, 488-497.	5.3	517
3	Large-scale community echocardiographic screening reveals a major burden of undiagnosed valvular heart disease in older people: the OxVALVE Population Cohort Study. European Heart Journal, 2016, 37, 3515-3522.	2.2	394
4	Human non-contrast T1 values and correlation with histology in diffuse fibrosis. Heart, 2013, 99, 932-937.	2.9	390
5	The Role of Cardiovascular Magnetic Resonance Imaging in Heart Failure. Journal of the American College of Cardiology, 2009, 54, 1407-1424.	2.8	361
6	Human angiotensin I-converting enzyme gene and endurance performance. Journal of Applied Physiology, 1999, 87, 1313-1316.	2.5	348
7	Aortic Dilation in Bicuspid Aortic Valve Disease. Circulation: Cardiovascular Imaging, 2013, 6, 499-507.	2.6	329
8	Evaluation and Management of the Cardiac Amyloidosis. Journal of the American College of Cardiology, 2007, 50, 2101-2110.	2.8	306
9	Assessment of Left Ventricular Mass by Cardiovascular Magnetic Resonance. Hypertension, 2002, 39, 750-755.	2.7	256
10	Global and regional left ventricular myocardial deformation measures by magnetic resonance feature tracking in healthy volunteers: comparison with tagging and relevance of gender. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 8.	3.3	244
11	A cardiac contouring atlas for radiotherapy. Radiotherapy and Oncology, 2017, 122, 416-422.	0.6	197
12	Aortic Regurgitation Quantification Using Cardiovascular Magnetic Resonance. Circulation, 2012, 126, 1452-1460.	1.6	187
13	Myocardial Scar and Mortality in Severe Aortic Stenosis. Circulation, 2018, 138, 1935-1947.	1.6	181
14	SCMR Position Paper (2020) on clinical indications for cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 76.	3.3	169
15	Peroxisome Proliferatorâ€“Activated Receptor Î± Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension. Circulation, 2002, 105, 950-955.	1.6	149
16	Left Ventricular Mass. Hypertension, 2002, 40, 673-678.	2.7	146
17	Extracellular Myocardial Volume in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2020, 75, 304-316.	2.8	141
18	Heart valve disease: investigation by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 42.	3.3	139

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19	Angiotensin-Converting Enzyme Genotype Affects the Response of Human Skeletal Muscle to Functional Overload. Experimental Physiology, 2000, 85, 575-579.	2.0	137
20	Determination of Clinical Outcome in Mitral Regurgitation With Cardiovascular Magnetic Resonance Quantification. Circulation, 2016, 133, 2287-2296.	1.6	137
21	Left Ventricular Hypertrophy With Exercise and ACE Gene Insertion/Deletion Polymorphism. Circulation, 2001, 103, 226-230.	1.6	119
22	Differentiation of Athlete's Heart from Pathological Forms of Cardiac Hypertrophy by Means of Geometric Indices Derived from Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 551-558.	3.3	115
23	Bradykinin B2BKR receptor polymorphism and left-ventricular growth response. Lancet, The, 2001, 358, 1155-1156.	13.7	103
24	Assessment of mitral valve regurgitation by cardiovascular magnetic resonance imaging. Nature Reviews Cardiology, 2020, 17, 298-312.	13.7	103
25	A prospective, double-blind, randomized controlled trial of the angiotensin-converting enzyme inhibitor Ramipril In Aortic Stenosis (RIAS trial). European Heart Journal Cardiovascular Imaging, 2015, 16, 834-841.	1.2	101
26	Bradykinin receptor gene variant and human physical performance. Journal of Applied Physiology, 2004, 96, 938-942.	2.5	89
27	Feasibility and safety of high-dose adenosine perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 66.	3.3	77
28	Quantification of regurgitant fraction in mitral regurgitation by cardiovascular magnetic resonance: comparison of techniques. Journal of Heart Valve Disease, 2004, 13, 600-7.	0.5	75
29	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 9.	3.3	72
30	Cardiac auscultation poorly predicts the presence of valvular heart disease in asymptomatic primary care patients. Heart, 2018, 104, 1832-1835.	2.9	70
31	Beyond Bernoulli. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	60
32	Measurement of myocardial native T1 in cardiovascular diseases and norm in 1291 subjects. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 74.	3.3	60
33	Phase contrast ultrashort TE: A more reliable technique for measurement of highâ€velocity turbulent stenotic jets. Magnetic Resonance in Medicine, 2009, 62, 626-636.	3.0	59
34	Myocardial Steatosis and Left Ventricular Contractile Dysfunction in Patients With Severe Aortic Stenosis. Circulation: Cardiovascular Imaging, 2013, 6, 808-816.	2.6	58
35	Prioritizing echocardiography in Staphylococcus aureus bacteraemia. Journal of Antimicrobial Chemotherapy, 2013, 68, 444-449.	3.0	56
36	Aortic 4D flow: Quantification of signal-to-noise ratio as a function of field strength and contrast enhancement for 1.5T, 3T, and 7T. Magnetic Resonance in Medicine, 2015, 73, 1864-1871.	3.0	55

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37	Angiotensin-converting enzyme genotype affects the response of human skeletal muscle to functional overload. Experimental Physiology, 2000, 85, 575-579.	2.0	54
38	Cardiac iron overload in transfusionâ€dependent patients with myelodysplastic syndromes. British Journal of Haematology, 2011, 154, 521-524.	2.5	51
39	Community prevalence, mechanisms and outcome of mitral or tricuspid regurgitation. Heart, 2021, 107, 1003-1009.	2.9	45
40	Appropriateness criteria for the use of cardiovascular imaging in heart valve disease in adults: a European Association of Cardiovascular Imaging report of literature review and current practice. European Heart Journal Cardiovascular Imaging, 2017, 18, 489-498.	1.2	41
41	Left Ventricular Flow Analysis. Circulation: Cardiovascular Imaging, 2019, 12, e008130.	2.6	41
42	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
43	Direct and indirect quantification of mitral regurgitation with cardiovascular magnetic resonance, and the effect of heart rate variability. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 243-249.	2.0	38
44	Differential flow improvements after valve replacements in bicuspid aortic valve disease: a cardiovascular magnetic resonance assessment. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 10.	3.3	37
45	Test-retest variability of left ventricular 4D flow cardiovascular magnetic resonance measurements in healthy subjects. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 15.	3.3	35
46	What is the role of balloon dilatation for severe aortic stenosis during pregnancy?. Journal of Heart Valve Disease, 2005, 14, 147-50.	0.5	35
47	Real-Time 3D Fusion Echocardiography. JACC: Cardiovascular Imaging, 2010, 3, 682-690.	5.3	31
48	Dilated Cardiomyopathy: Phosphorus 31 MR Spectroscopy at 7 T. Radiology, 2016, 281, 409-417.	7.3	31
49	Cortical bone resorption during exercise is interleukin-6 genotype-dependent. European Journal of Applied Physiology, 2003, 89, 21-25.	2.5	30
50	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. Heart, 2019, 105, 1818-1824.	2.9	30
51	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. Heart, 2016, 102, 1566-1572.	2.9	27
52	Magnetic-resonance-imaging-derived indices for the normalization of left ventricular morphology by body size. Magnetic Resonance Imaging, 2009, 27, 207-213.	1.8	25
53	Hypertrophic Cardiomyopathy Complicated by Large Apical Aneurysm and Thrombus, Presenting as Ventricular Tachycardia. Journal of the American College of Cardiology, 2010, 56, 1961.	2.8	25
54	Standard and emerging CMR methods for mitral regurgitation quantification. International Journal of Cardiology, 2021, 331, 316-321.	1.7	24

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55	Partial Congenital Absence of the Pericardium. Circulation, 2007, 116, e126-9.	1.6	22
56	CMR in Evaluating Valvular Heart Disease. JACC: Cardiovascular Imaging, 2021, 14, 2020-2032.	5.3	22
57	Regional variation in cardiovascular magnetic resonance service delivery across the UK. Heart, 2021, 107, 1974-1979.	2.9	21
58	Myocardial Infarction With Intracardiac Thrombosis as the Presentation of Acute Promyelocytic Leukemia. Circulation, 2011, 123, e370-2.	1.6	20
59	Prevalence of cardiomyopathy in asymptomatic patients with left bundle branch block referred for cardiovascular magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2012, 28, 1133-1140.	1.5	20
60	Assessment of Valvular Heart Disease by Cardiovascular Magnetic Resonance Imaging: A Review. Heart Lung and Circulation, 2011, 20, 73-82.	0.4	16
61	The Role of Cardiovascular Magnetic Resonance in the Evaluation of Valve Disease. Progress in Cardiovascular Diseases, 2011, 54, 276-286.	3.1	16
62	Evaluation of Circulation, Î“, as a quantifying metric in 4D flow MRI. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E36.	3.3	16
63	Multimodality imaging in heart valve disease. Open Heart, 2016, 3, e000330.	2.3	14
64	Serum biomarkers in valvular heart disease. Heart, 2018, 104, 349-358.	2.9	14
65	Valvular and Hemodynamic Assessment with CMR. Heart Failure Clinics, 2009, 5, 389-400.	2.1	13
66	A Practical Risk Score for Prediction of Early Readmission after a First Episode of Acute Heart Failure with Preserved Ejection Fraction. Diagnostics, 2021, 11, 198.	2.6	13
67	Survival of people with valvular heart disease in a large, English community-based cohort study. Heart, 2021, 107, 1336-1343.	2.9	12
68	Congenitally Corrected Transposition of the Great Arteries Presenting in a Nonagenarian. Circulation, 2010, 122, e441-4.	1.6	11
69	Stress Perfusion Imaging Using Cardiovascular Magnetic Resonance: A Review. Heart Lung and Circulation, 2010, 19, 697-705.	0.4	11
70	Left Ventricular Diastolic Function Studied with Magnetic Resonance Imaging: A Systematic Review of Techniques and Relation to Established Measures of Diastolic Function. Diagnostics, 2021, 11, 1282.	2.6	11
71	The many faces of cardiac lipomaâ€”an egg in the heart!. European Heart Journal Cardiovascular Imaging, 2017, 18, 821-821.	1.2	10
72	Meta-Analysis of Transthoracic Echocardiography Versus Cardiac Magnetic Resonance for the Assessment of Aortic Regurgitation After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2019, 124, 1246-1251.	1.6	10

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73	3,4-methylenedioxymethamphetamine (MDMA, or â€œecstasyâ€) and associated hypoglycemia. American Journal of Emergency Medicine, 1997, 15, 218.	1.6	9
74	Obesity-related ventricular remodelling is exacerbated in dilated and hypertrophic cardiomyopathy. Cardiovascular Diagnosis and Therapy, 2020, 10, 559-567.	1.7	9
75	Tamponade Caused by Cardiac Lipomatous Hypertrophy. Journal of Cardiovascular Magnetic Resonance, 2004, 6, 565-568.	3.3	8
76	Preoperative Assessment and Perioperative Management of Cardiovascular Risk. Angiology, 2013, 64, 146-150.	1.8	8
77	Inherited Aortopathy Assessment in Relatives ofÂPatients With a Bicuspid Aortic Valve. Journal of the American College of Cardiology, 2017, 69, 904-906.	2.8	8
78	Variation in the lipoprotein lipase gene influences exercise-induced left ventricular growth. Journal of Molecular Medicine, 2006, 84, 126-131.	3.9	7
79	Atrial pathology in cardiac amyloidosis: evidence from ECG and cardiovascular magnetic resonance. European Heart Journal, 2006, 27, 1670-1670.	2.2	7
80	A comparison of visual and quantitative assessment of left ventricular ejection fraction by cardiac magnetic resonance. International Journal of Cardiovascular Imaging, 2011, 27, 563-569.	1.5	7
81	Growth of Left Ventricular Mass with Military Basic Training in Army Recruits. Medicine and Science in Sports and Exercise, 2011, 43, 1295-1300.	0.4	7
82	Atrial septal endocarditis. European Journal of Echocardiography, 2007, 8, 48-49.	2.3	6
83	Imaging assessment of mitral and aortic regurgitation: current state of the art. Heart, 2020, 106, 1769-1776.	2.9	6
84	The Prevalence of Low Left Atrial Appendage Emptying Velocity and Thrombus in Patients Undergoing Catheter Ablation for Atrial Fibrillation on Uninterrupted Peri-procedural Warfarin Therapy. Journal of Atrial Fibrillation, 2013, 5, 761.	0.5	6
85	A Hyperdynamic RV Is an Early Marker ofÂClinical Decompensation and CardiacÂRecovery in Aortic Stenosis WithÂNormal LV Ejection Fraction. JACC: Cardiovascular Imaging, 2019, 12, 214-216.	5.3	5
86	Mitral Regurgitation Following Acute Myocardial Infarction Treated by Percutaneous Coronary Interventionâ€”Prevalence, Risk factors, and Predictors of Outcome. American Journal of Cardiology, 2021, 157, 22-32.	1.6	5
87	Intercostal Artery Aneurysm Postcoarctation Repair Diagnosed by Magnetic Resonance Angiography. Journal of Cardiovascular Magnetic Resonance, 2000, 2, 137-138.	3.3	4
88	Cardiac development after salvage partial left ventriculectomy in an infant with anomalous left coronary artery from the pulmonary artery. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 784-785.	0.8	4
89	Absent Right Superior Vena Cava. Circulation: Cardiovascular Imaging, 2009, 2, e34-6.	2.6	4
90	Long-term cardiac remodeling after salvage partial left ventriculectomy in an infant with anomalous left coronary artery from the pulmonary artery. Journal of Thoracic and Cardiovascular Surgery, 2009, 137, 757-759.	0.8	4

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91	Massive melanotic myocardial metastasis characterized by multiple cardiac imaging modalities. International Journal of Cardiology, 2011, 146, e27-e29.	1.7	4
92	Investigations in valvular heart disease. Clinical Medicine, 2010, 10, 172-176.	1.9	3
93	Congenital aortopulmonary window; an unusual cause of breathlessness. Heart, 2013, 99, 1546-1546.	2.9	3
94	Response to Letter Regarding Article, â€œAortic Dilation in Bicuspid Aortic Valve Disease: Flow Pattern Is a Major Contributor and Differs With Valve Fusion Typeâ€• Circulation: Cardiovascular Imaging, 2014, 7, 214-214.	2.6	3
95	Inflammatory bowel disease and myocarditis: T1-mapping the heart of the problem. European Heart Journal Cardiovascular Imaging, 2017, 18, 940-940.	1.2	3
96	Tricuspid Regurgitation. Journal of the American College of Cardiology, 2020, 76, 1302-1304.	2.8	3
97	United Kingdom standards for non-invasive cardiac imaging: recommendations from the Imaging Council of the British Cardiovascular Society. Heart, 2022, 108, e7-e7.	2.9	3
98	Pre-contrast T1 mapping for detection of myocardial fibrosis in asymptomatic and symptomatic aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	2
99	Abnormal Haemodynamic Flow Patterns in Bicuspid Pulmonary Valve Disease. Frontiers in Physiology, 2017, 8, 374.	2.8	2
100	Multimodality Imaging in Secondary Mitral Regurgitation. Frontiers in Cardiovascular Medicine, 2020, 7, 546279.	2.4	2
101	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
102	Insights Into the Metabolic Aspects of Aortic Stenosis With the Use of MagneticÂResonance Imaging. JACC: Cardiovascular Imaging, 2022, 15, 2112-2126.	5.3	2
103	Cardiovascular magnetic resonance (CMR) â€“ An update and review. Progress in Nuclear Magnetic Resonance Spectroscopy, 2011, 59, 213-222.	7.5	1
104	Unusual coarctation repair with double lumen distal arch. European Heart Journal, 2018, 39, 1038-1038.	2.2	1
105	Time to stop using â€˜non-valvular AFâ€™ inappropriately: letter in response to review article. Heart, 2018, 104, 2077.1-2077.	2.9	1
106	Optimizing the Assessment of AorticÂRegurgitation. JACC: Cardiovascular Imaging, 2019, 12, 1484-1486.	5.3	1
107	Magnetic resonance phase contrast velocity mapping for flow quantification in irregular heart rhythms using radial k-space ultrashort echo time imaging. International Journal of Cardiology, 2020, 317, 211-215.	1.7	1
108	The characteristics of mitral regurgitation: Data from patients admitted following acute myocardial infarction. Data in Brief, 2021, 39, 107451.	1.0	1

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109	Arterial thrombosis after a long-haul flight. Journal of the Royal Society of Medicine, 1998, 91, 508-508.	2.0	0
110	Automatic MRI adipose tissue mapping using overlapping mosaics. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2002, 14, 39-44.	2.0	0
111	Can cardiac magnetic resonance imaging reclassify uremic cardiomyopathy in patients with end-stage renal failure?. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, 22-23.	3.3	0
112	Successful Slow Pathway Modification Using the Femoral Approach in a Patient With Interrupted Inferior Vena Cava With Azygos Vein Continuation. Journal of Cardiovascular Electrophysiology, 2010, 21, 1300-1301.	1.7	0
113	Corrigendum to â€œStress Perfusion Imaging Using Cardiovascular Magnetic Resonance: A Reviewâ€• [Heart Lung Circ. 19 (2010) 697â€“705]. Heart Lung and Circulation, 2011, 20, e1.	0.4	0
114	PET-diagnosed lead infection in ARVC. European Heart Journal Cardiovascular Imaging, 2012, 13, 538-538.	1.2	0
115	Innominate artery pleomorphic sarcoma imaged with cardiovascular magnetic resonance and Positron Emission Tomography-Computed Tomography:. European Heart Journal, 2015, 36, 1951-1951.	2.2	0
116	Partial atrioventricular septal defect presenting in a septuagenarian. European Heart Journal, 2016, 37, 917-917.	2.2	0
117	Conclusions are inappropriate due to the big discrepancies between groups. Heart, 2018, 104, 1552.1-1552.	2.9	0
118	Rare unicuspid pulmonary valve and pulmonary artery aneurysm in an elderly asymptomatic patient. European Heart Journal Cardiovascular Imaging, 2020, 21, 708-708.	1.2	0
119	20â€...The course of mitral regurgitation detected after acute myocardial infarction. , 2021, , .		0
120	4â€...Impact of left ventricular assist device therapy on severe secondary mitral regurgitation. , 2021, , .		0
121	Abstract 15822: Phosphorus Magnetic Resonance Spectroscopy is More Precise at 7 Tesla Field Strength Than 3 Tesla in Patients With Dilated Cardiomyopathy. Circulation, 2015, 132, .	1.6	0
122	Abstract 13435: Deranged Intra-Cardiac Blood Flow Components and Kinetic Energy in Dilated Cardiomyopathy Are an Additional Marker of Disease Severity and Correlate With Established Markers of Prognosis. Circulation, 2015, 132, .	1.6	0
123	Report from the Annual Conference of the British Society of Echocardiography, November 2017, Edinburgh International Conference Centre, Edinburgh. Echo Research and Practice, 2019, 6, M1-M2.	2.5	0
124	Rare congenital quadricuspid pulmonary valve stenosis evaluated by CMR. Oxford Medical Case Reports, 2020, 2020, omaa112.	0.4	0
125	A Longitudinal Study of Mitral Regurgitation Detected after Acute Myocardial Infarction. Journal of Clinical Medicine, 2022, 11, 965.	2.4	0
126	B-Type Natriuretic Peptide at Admission Is a Predictor of All-Cause Mortality at One Year after the First Acute Episode of New-Onset Heart Failure with Preserved Ejection Fraction. Journal of Personalized Medicine, 2022, 12, 890.	2.5	0