Joseph B Selvanayagam

List of Publications by Year in descending order

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109321 64796 6,581 121 35 citations h-index papers

79 g-index 121 121 121 7803 docs citations citing authors all docs times ranked

#	Article	IF	CITATIONS
1	Left Ventricular Non-Compaction. Journal of the American College of Cardiology, 2005, 46, 101-105.	2.8	1,075
2	Troponin Elevation After Percutaneous Coronary Intervention Directly Represents the Extent of Irreversible Myocardial Injury. Circulation, 2005, 111, 1027-1032.	1.6	367
3	The Role of Cardiovascular Magnetic Resonance Imaging in Heart Failure. Journal of the American College of Cardiology, 2009, 54, 1407-1424.	2.8	361
4	Evidence for Microvascular Dysfunction in Hypertrophic Cardiomyopathy. Circulation, 2007, 115, 2418-2425.	1.6	315
5	Value of Delayed-Enhancement Cardiovascular Magnetic Resonance Imaging in Predicting Myocardial Viability After Surgical Revascularization. Circulation, 2004, 110, 1535-1541.	1.6	314
6	Evaluation and Management of the Cardiac Amyloidosis. Journal of the American College of Cardiology, 2007, 50, 2101-2110.	2.8	306
7	The impact of atrial fibrillation type on the risk of thromboembolism, mortality, and bleeding: a systematic review and meta-analysis. European Heart Journal, 2016, 37, 1591-1602.	2.2	296
8	Cardiovascular Magnetic Resonance Perfusion Imaging at 3-Tesla for the Detection of Coronary Artery Disease. Journal of the American College of Cardiology, 2007, 49, 2440-2449.	2.8	198
9	Epicardial fat and atrial fibrillation: current evidence, potential mechanisms, clinical implications, and future directions. European Heart Journal, 2017, 38, ehw045.	2.2	188
10	Effects of Off-Pump Versus On-Pump Coronary Surgery on Reversible and Irreversible Myocardial Injury. Circulation, 2004, 109, 345-350.	1.6	184
11	Associations of Epicardial, Abdominal, and Overall Adiposity With Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	4.8	141
12	Resting Myocardial Blood Flow Is Impaired in Hibernating Myocardium. Circulation, 2005, 112, 3289-3296.	1.6	140
13	Effects of myocardial fibrosis and ventricular dyssynchrony on response to therapy in new-presentation idiopathic dilated cardiomyopathy: insights from cardiovascular magnetic resonance and echocardiography. European Heart Journal, 2012, 33, 640-648.	2.2	118
14	Percutaneous Treatment of Chronic Total Coronary Occlusions Improves Regional Hyperemic Myocardial Blood Flow and Contractility. JACC: Cardiovascular Interventions, 2008, 1, 44-53.	2.9	109
15	Early Use of N-acetylcysteine With Nitrate Therapy in Patients Undergoing Primary Percutaneous Coronary Intervention for ST-Segment–Elevation Myocardial Infarction Reduces Myocardial Infarct Size (the NACIAM Trial [N-acetylcysteine in Acute Myocardial Infarction]). Circulation, 2017, 136, 894-903.	1.6	108
16	Non-linear Mendelian randomization analyses support a role for vitamin D deficiency in cardiovascular disease risk. European Heart Journal, 2022, 43, 1731-1739.	2.2	104
17	Troponin-positive chest pain with unobstructed coronary arteries: incremental diagnostic value of cardiovascular magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2016, 17, 1146-1152.	1.2	102
18	Operator Induced Variability in Left Ventricular Measurements with Cardiovascular Magnetic Resonance is Improved After Training. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 777-783.	3.3	101

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19	Left and right ventricular effects of anthracycline and trastuzumab chemotherapy: A prospective study using novel cardiac imaging and biochemical markers. International Journal of Cardiology, 2013, 168, 5465-5467.	1.7	100
20	Myocardial Tissue Phase Mapping with Cine Phase-Contrast MR Imaging: Regional Wall Motion Analysis in Healthy Volunteers. Radiology, 2006, 238, 816-826.	7.3	94
21	Relationship Between Regional Myocardial Oxygenation and Perfusion in Patients With Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2010, 3, 32-40.	2.6	92
22	Effect of Distal Embolization on Myocardial Perfusion Reserve After Percutaneous Coronary Intervention. Circulation, 2007, 116, 1458-1464.	1.6	88
23	International Mobile-Health Intervention onÂPhysical Activity, Sitting, and Weight. Journal of the American College of Cardiology, 2016, 67, 2453-2463.	2.8	81
24	Heart Failure With Normal Ejection Fraction: The Complementary Roles of Echocardiography and CMR Imaging. JACC: Cardiovascular Imaging, 2010, 3, 409-420.	5. 3	79
25	Myocardial Oxygenation in Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 59, 1954-1964.	2.8	77
26	Initial Invasive Versus Conservative Management of Stable Ischemic Heart Disease in Patients With a History of Heart Failure or Left Ventricular Dysfunction. Circulation, 2020, 142, 1725-1735.	1.6	77
27	Prediction of global left ventricular functional recovery in patients with heart failure undergoing surgical revascularisation, based on late gadolinium enhancement Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 56.	3.3	69
28	Impact of Late Gadolinium Enhancement on mortality, sudden death and major adverse cardiovascular events in ischemic and nonischemic cardiomyopathy: A systematic review and meta-analysis. International Journal of Cardiology, 2018, 254, 230-237.	1.7	69
29	The prognostic value of T1 mapping and late gadolinium enhancement cardiovascular magnetic resonance imaging in patients with light chain amyloidosis. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 2.	3.3	68
30	The Role of Cardiac Imaging in the Diagnosis and Management of Anderson-Fabry Disease. JACC: Cardiovascular Imaging, 2019, 12, 1230-1242.	5. 3	64
31	Cardiovascular magnetic resonanceâ€ <scp>GUIDE</scp> d management of mild to moderate left ventricular systolic dysfunction (<scp>CMR GUIDE</scp>): Study protocol for a randomized controlled trial. Annals of Noninvasive Electrocardiology, 2017, 22, .	1.1	63
32	Patients With Syndrome X Have Normal Transmural Myocardial Perfusion and Oxygenation. Circulation: Cardiovascular Imaging, 2012, 5, 194-200.	2.6	52
33	Quantitative assessment of paravalvular regurgitation following transcatheter aortic valve replacement. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 32.	3.3	42
34	Prognostic Value of Nonischemic Ringlike Left Ventricular Scar in Patients With Apparently Idiopathic Nonsustained Ventricular Arrhythmias. Circulation, 2021, 143, 1359-1373.	1.6	42
35	Cardiovascular magnetic resonance of total and atrial pericardial adipose tissue: a validation study and development of a 3 dimensional pericardial adipose tissue model. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 73.	3. 3	37
36	Risk Stratification of Patients With Apparently Idiopathic Premature Ventricular Contractions. JACC: Clinical Electrophysiology, 2020, 6, 722-735.	3.2	36

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37	The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. Journal of Physiology, 2018, 596, 5625-5640.	2.9	32
38	Feasibility of detecting myocardial infarction in the sheep fetus using late gadolinium enhancement CMR imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 69.	3. 3	29
39	Assessment of Myocardial Viability: Comparison of Echocardiography versus Cardiac Magnetic Resonance Imaging in the Current Era. Heart Lung and Circulation, 2008, 17, 173-185.	0.4	28
40	Cardiac magnetic resonance evaluation of left ventricular functional, morphological, and structural features in children and adolescents vs. young adults with isolated left ventricular non-compaction. International Journal of Cardiology, 2017, 246, 68-73.	1.7	26
41	Early effects of transcatheter aortic valve implantation and aortic valve replacement on myocardial function and aortic valve hemodynamics: Insights from cardiovascular magnetic resonance imaging. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 462-470.	0.8	24
42	Prevalence, Correlates, and Prognostic Relevance of Myocardial Mechanical Dispersion as Assessed by Feature-Tracking Cardiac Magnetic Resonance After a First ST-Segment Elevation Myocardial Infarction. American Journal of Cardiology, 2017, 120, 527-533.	1.6	24
43	Prognostic value of myocardial deformation imaging by cardiac magnetic resonance feature-tracking in patients with a first ST-segment elevation myocardial infarction. International Journal of Cardiology, 2018, 271, 387-391.	1.7	24
44	Feasibility of phase-contrast cine magnetic resonance imaging for measuring blood flow in the sheep fetus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R780-R792.	1.8	24
45	Myocarditis in Relation to AngiographicÂFindings in Patients With Provisional Diagnoses of MINOCA. JACC: Cardiovascular Imaging, 2020, 13, 1906-1913.	5. 3	24
46	Multidisciplinary transcatheter aortic valve replacement heart team programme improves mortality in aortic stenosis. Open Heart, 2019, 6, e000983.	2.3	21
47	Advanced Echocardiographic Imaging for Prediction of SCD in Moderate and Severe LV Systolic Function. JACC: Cardiovascular Imaging, 2020, 13, 604-612.	5. 3	21
48	Assessment of myocardial oxygenation, strain, and diastology in MYBPC3-related hypertrophic cardiomyopathy: a cardiovascular magnetic resonance and echocardiography study. European Heart Journal Cardiovascular Imaging, 2019, 20, 932-938.	1.2	20
49	Prognostic implications of left ventricular global longitudinal strain in patients with bicuspid aortic valve disease and preserved left ventricular ejection fraction. European Heart Journal Cardiovascular Imaging, 2020, 21, 759-767.	1.2	20
50	Changes of left ventricular mechanics after trans-catheter aortic valve implantation and surgical aortic valve replacement for severe aortic stenosis: A tissue-tracking cardiac magnetic resonance study. International Journal of Cardiology, 2017, 228, 184-190.	1.7	17
51	Late characterisation of cardiac effects following anthracycline and trastuzumab treatment in breast cancer patients. International Journal of Cardiology, 2018, 261, 159-161.	1.7	17
52	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. Frontiers in Physiology, 2019, 10, 208.	2.8	17
53	Long-term clinical outcomes in patients with a working diagnosis of myocardial infarction with non-obstructed coronary arteries (MINOCA) assessed by cardiovascular magnetic resonance imaging. International Journal of Cardiology, 2022, 349, 12-17.	1.7	16
54	Cost-Effectiveness of Cardiovascular Magnetic Resonance in Diagnosing Coronary Artery Disease in the Australian Health Care System. Heart Lung and Circulation, 2021, 30, 380-387.	0.4	15

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55	Acute pleiotropic effects of dapagliflozin in type 2 diabetic patients with heart failure with reduced ejection fraction: a crossover trial. ESC Heart Failure, 2021, 8, 4346-4352.	3.1	15
56	Role of Cardiac Magnetic Resonance Imaging in Patients with Idiopathic Ventricular Arrhythmias. Current Cardiology Reviews, 2018, 15, 12-23.	1.5	15
57	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 1.	3.3	15
58	Impaired Myocardial Oxygenation Response to Stress in Patients With Chronic Kidney Disease. Journal of the American Heart Association, 2015, 4, e002249.	3.7	14
59	Left and right ventricular myocardial deformation and late gadolinium enhancement: incremental prognostic value in amyloid light-chain amyloidosis. Cardiovascular Diagnosis and Therapy, 2020, 10, 470-480.	1.7	14
60	Randomized controlled trial of perhexiline on regression of left ventricular hypertrophy in patients with symptomatic hypertrophic cardiomyopathy (RESOLVE-HCM trial). American Heart Journal, 2021, 240, 101-113.	2.7	14
61	Predictors of Left Main Coronary Artery Disease in the ISCHEMIA Trial. Journal of the American College of Cardiology, 2022, 79, 651-661.	2.8	14
62	Evaluation of Myocardial Viability With Cardiac Magnetic Resonance Imaging. Progress in Cardiovascular Diseases, 2011, 54, 204-214.	3.1	13
63	Residual Ischemia After Revascularization in Multivessel Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2013, 6, 237-245.	3.9	13
64	Myocardial Ischemia Assessment in Chronic Kidney Disease: Challenges and Pitfalls. Frontiers in Cardiovascular Medicine, 2014, 1, 13.	2.4	13
65	Evaluation of left ventricular function using cardiac magnetic resonance imaging. Journal of Nuclear Cardiology, 2011, 18, 351-365.	2.1	12
66	Considerations for Clinical Trials Targeting the Myocardial Interstitium. JACC: Cardiovascular Imaging, 2019, 12, 2319-2331.	5. 3	12
67	Calcium/Calmodulin-Dependent Protein Kinase II Delta Inhibition and Ventricular Remodeling After Myocardial Infarction. JAMA Cardiology, 2021, 6, 762.	6.1	12
68	High Field Cardiac Magnetic Resonance Imaging – Current and Future Perspectives. Heart Lung and Circulation, 2010, 19, 145-153.	0.4	11
69	Is Atrial Fibrillation a Stroke Risk Factor or Risk Marker? An Appraisal Using the Bradford Hill Framework for Causality. Heart Lung and Circulation, 2020, 29, 86-93.	0.4	11
70	Atrial fibrosis and substrate based characterization in atrial fibrillation: Time to move forwards. Journal of Cardiovascular Electrophysiology, 2021, 32, 1147-1160.	1.7	11
71	Long term prognostic importance of late gadolinium enhancement in first-presentation non-ischaemic dilated cardiomyopathy. International Journal of Cardiology, 2019, 280, 124-129.	1.7	10
72	Myocardial perfusion is impaired in asymptomatic renal and liver transplant recipients: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 56.	3.3	9

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73	Objective and subjective image quality with prospectively gated versus ECG-controlled tube current modulation using 256-slice computed tomographic angiography. Journal of the Saudi Heart Association, 2015, 27, 256-263.	0.4	9
74	Novel cardiovascular magnetic resonance oxygenation approaches in understanding pathophysiology of cardiac diseases. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 475-480.	1.9	9
75	Prognostic Utility of Oxygen-Sensitive Cardiac Magnetic Resonance Imaging in Diabetic and Nondiabetic Chronic Kidney Disease Patients With No Known Coronary Artery Disease. JACC: Cardiovascular Imaging, 2019, 12, 1107-1109.	5.3	9
76	Gadolinium-Free Cardiovascular Magnetic Resonance Stress T1 Mapping in Patients With Chronic Kidney Disease. JACC: Cardiovascular Imaging, 2019, 12, 2083-2085.	5.3	8
77	Quantification of myocardial deformation in patients with Fabry disease by cardiovascular magnetic resonance feature tracking imaging. Cardiovascular Diagnosis and Therapy, 2021, 11, 91-101.	1.7	8
78	Left ventricular remodelling in bicuspid aortic valve disease. European Heart Journal Cardiovascular Imaging, 2022, 23, 1669-1679.	1.2	8
79	Myocardial Viability Imaging: Does It Still Have a Role in Patient Selection Prior to Coronary Revascularisation?. Heart Lung and Circulation, 2012, 21, 468-479.	0.4	7
80	Very Late Ventricular Displacement of Transcatheter Aortic Valve Resulting in Severe Paravalvular Regurgitation. JACC: Cardiovascular Interventions, 2014, 7, e13-e15.	2.9	7
81	Utility of CMR Markers of Myocardial Injury in Predicting LV Functional Recovery: Results from PROTECTION AMI CMR Sub-study. Heart Lung and Circulation, 2015, 24, 891-897.	0.4	7
82	Myocardial Deformation Imaging by Feature-Tracking Cardiac Magnetic Resonance in Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	7
83	The Spectrum of Change in the Elite Athlete's Heart. Journal of the American Society of Echocardiography, 2019, 32, 978-986.	2.8	7
84	Effect of Balloon Aortic Valvuloplasty on Mortality in Patients With Severe Aortic Stenosis Prior to Conservative Treatment and Surgical or Transcatheter Aortic Valve Replacement. Heart Lung and Circulation, 2020, 29, 719-728.	0.4	7
85	Right ventricular myocardial deoxygenation in patients with pulmonary artery hypertension. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 22.	3.3	7
86	Noninvasive imaging in cardiac deposition diseases. Journal of Magnetic Resonance Imaging, 2018, 47, 44-59.	3.4	6
87	Echocardiography in Infiltrative Cardiomyopathy. Heart Lung and Circulation, 2019, 28, 1365-1375.	0.4	6
88	Arginine Metabolites as Biomarkers of Myocardial Ischaemia, Assessed with Cardiac Magnetic Resonance Imaging in Chronic Kidney Disease. Biomolecules, 2021, 11, 416.	4.0	6
89	Prognostic implications of left atrial dilation in aortic regurgitation due to bicuspid aortic valve. Heart, 2022, 108, 137-144.	2.9	6
90	The Future of Cardiac Magnetic Resonance Clinical Trials. JACC: Cardiovascular Imaging, 2021, , .	5.3	6

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91	Usefulness of clinical assessment of the carotid pulse in the diagnosis of aortic stenosis. American Journal of Cardiology, 2004, 93, 493-495.	1.6	5
92	Cardiovascular Magnetic Resonance GUIDEd management of mild-moderate left ventricular systolic Heart Failure (CMR GUIDE HF): study protocol for a randomised controlled trial. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P191.	3.3	5
93	Instantaneous Decrease in Left Ventricular Afterload during Transcatheter Aortic Valve Implantation Results in Immediate Changes in Left Ventricular Strain. Echocardiography, 2016, 33, 742-748.	0.9	5
94	Identification of Novel miRNAs Involved in Cardiac Repair Following Infarction in Fetal and Adolescent Sheep Hearts. Frontiers in Physiology, 2020, 11, 614.	2.8	5
95	Left ventricular ischemia in pre-capillary pulmonary hypertension: a cardiovascular magnetic resonance study. Cardiovascular Diagnosis and Therapy, 2020, 10, 1280-1292.	1.7	5
96	Surgical Left Ventricular Restoration. Circulation, 2003, 107, e71.	1.6	4
97	Feasibility of oxygen sensitive cardiac magnetic resonance of the right ventricle in pulmonary artery hypertension. Cardiovascular Diagnosis and Therapy, 2019, 9, 502-512.	1.7	4
98	Left ventricular fibrosis by extracellular volume fraction and the risk of atrial fibrillation recurrence after catheter ablation. Cardiovascular Diagnosis and Therapy, 2019, 9, 578-585.	1.7	4
99	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. Physiological Genomics, 2020, 52, 143-159.	2.3	4
100	Impact of Surgical and Transcatheter Aortic Valve Replacement on Frailty Score. Heart Lung and Circulation, 2022, 31, 566-574.	0.4	4
101	Association Between Sarcomeric Variants in Hypertrophic Cardiomyopathy and Myocardial Oxygenation: Insights From a Novel Oxygen-Sensitive Cardiovascular Magnetic Resonance Approach. Circulation, 2021, 144, 1656-1658.	1.6	4
102	Value of novel cardiac magnetic resonance indices for the diagnosis of acute myocarditis: Left ventricular mechanics and parametric mapping imaging. International Journal of Cardiology, 2016, 223, 881-882.	1.7	3
103	Arrhythmogenic right ventricular cardiomyopathy with biventricular involvement and heart failure in a 9-year old girl. Journal of the Saudi Heart Association, 2017, 29, 139-142.	0.4	3
104	Functional Assessment of ChronicÂTotalÂOcclusions. JACC: Cardiovascular Imaging, 2016, 9, 557-558.	5.3	2
105	Non-Invasive Cardiac Imaging: Past, Present and Future. Heart Lung and Circulation, 2016, 25, 755-756.	0.4	2
106	Predicting Cardiac Prognosis in Asymptomatic Chronic Kidney Disease Patients. JACC: Cardiovascular Imaging, 2018, 11, 286-287.	5.3	2
107	Echocardiography: Navigating Complexities to Provide Many Useful Applications in Contemporary Clinical Cardiology. Heart Lung and Circulation, 2019, 28, 1303-1306.	0.4	2
108	"Protocol for a phase 2, randomized, double-blind, placebo-controlled, safety and efficacy study of dutogliptin in combination with filgrastim in early recovery post-myocardial infarction― study protocol for a randomized controlled trial. Trials, 2020, 21, 744.	1.6	2

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109	Cardiac Amyloidosis. JACC: Case Reports, 2020, 2, 282-285.	0.6	1
110	Mono-symptomatic Fabry disease in a population with mild-to-moderate left ventricular hypertrophy. Molecular Genetics and Metabolism Reports, 2020, 25, 100697.	1.1	1
111	Understanding physiology by using quantitative magnetic resonance perfusion imaging. Current Cardiovascular Imaging Reports, 2009, 2, 130-137.	0.6	0
112	Clinical Primetime for Cardiovascular Magnetic Resonance. Current Cardiovascular Imaging Reports, 2010, 3, 116-118.	0.6	0
113	Myocardial Blood Oxygenation Assessment: Ready for Clinical Prime Time?. Current Cardiovascular Imaging Reports, 2013, 6, 442-444.	0.6	0
114	Republished: The evolving role of multimodality imaging in valvular heart disease. Postgraduate Medical Journal, 2014, 90, 317-327.	1.8	0
115	Right ventricular function after aortic valve intervention: Cardiovascular magnetic resonance imaging is the standard. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 743-744.	0.8	0
116	Lamin A/C mutation: An easily missed opportunity. International Journal of Cardiology, 2015, 181, 48-49.	1.7	0
117	Cardiac Magnetic Resonance Imaging Before Coronary Artery Bypass Graft Surgery: Is It Ready for Risk Stratification?. Heart Lung and Circulation, 2016, 25, 535-537.	0.4	0
118	Dâ€Stress myocardial oxygenation and not perfusion reserve determines arrhythmic risk in hypertrophic cardiomyopathy: insights from a novel oxygen-sensitive CMR approach. , 2019, , .		0
119	22 Impaired stress-induced oxygenation in hypertrophic cardiomyopathy is associated with an increased risk of ventricular arrhythmia. , 2019, , .		0
120	Cardiac Magnetic Resonance Late Gadolinium Enhancement Imaging in Arrhythmic Risk Stratification. Heart Lung and Circulation, 2020, 29, 1268-1269.	0.4	0
121	Timing of cardiovascular magnetic resonance in clinical trials evaluating cardioprotective therapies to reduce infarct size. International Journal of Cardiology, 2021, 323, 272-274.	1.7	O