

Bharath Ambale Venkatesh

List of Publications by Year in descending order

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Version: 2024-02-01

152
papers

4,342
citations

109321

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133252

59
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181
all docs

181
docs citations

181
times ranked

7207
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of liver T1 using MOLLI gradient echo readout under the influence of fat. Magnetic Resonance Imaging, 2022, 85, 57-63.	1.8	3
2	Reproducibility of Cardiac Magnetic Resonance Imaging in Patients With Cardiac Implantable Electrical Devices. JACC: Cardiovascular Imaging, 2022, , .	5.3	0
3	Myocardial fibrosis by T1 mapping magnetic resonance imaging predicts incident cardiovascular events and all-cause mortality: the Multi-Ethnic Study of Atherosclerosis. European Heart Journal Cardiovascular Imaging, 2022, 23, 1407-1416.	1.2	13
4	Rare Genetic Variants Associated With Myocardial Fibrosis: Multi-Ethnic Study of Atherosclerosis. Frontiers in Cardiovascular Medicine, 2022, 9, 804788.	2.4	6
5	Change in Left Atrioventricular Coupling Index to Predict Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA). Radiology, 2022, 303, 317-326.	7.3	15
6	Deep Learning-based Automated Aortic Area and Distensibility Assessment: the Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Digital Imaging, 2022, 35, 594-604.	2.9	1
7	Building Confidence in AI-Interpreted CMR. JACC: Cardiovascular Imaging, 2022, 15, 428-430.	5.3	0
8	MRI for the assessment of aortic stiffness and pulsatile hemodynamics. , 2022, , 67-76.		2
9	Primer on Commonly Occurring MRI Artifacts and How to Overcome Them. Radiographics, 2022, 42, E102-E103.	3.3	3
10	Regional Strain Score as Prognostic Marker of Cardiovascular Events From the Multi-Ethnic Study of Atherosclerosis (MESA). Frontiers in Cardiovascular Medicine, 2022, 9, .	2.4	6
11	Determinants of left atrioventricular coupling index: The Multi-Ethnic Study of Atherosclerosis (MESA). Archives of Cardiovascular Diseases, 2022, 115, 414-425.	1.6	3
12	Oxidative Stress and Menopausal Status: The Coronary Artery Risk Development in Young Adults Cohort Study. Journal of Women's Health, 2022, 31, 1057-1065.	3.3	2
13	Reference Values for Left Atrial Volumes, Emptying Fractions, Strains, and Strain Rates and Their Determinants by Age, Gender, and Ethnicity: The Multiethnic Study of Atherosclerosis (MESA). Academic Radiology, 2021, 28, 356-363.	2.5	11
14	Integrating baseline MR imaging biomarkers into BCLC and CLIP improves overall survival prediction of patients with hepatocellular carcinoma (HCC). European Radiology, 2021, 31, 1630-1641.	4.5	8
15	Associations of Left Atrial Function and Structure With Supraventricular Ectopy: The Multiethnic Study of Atherosclerosis. Journal of the American Heart Association, 2021, 10, e018093.	3.7	11
16	Editorial for "Cardiac Involvement in Consecutive Elite Athletes Recovered From COVID-19" A Magnetic Resonance Study. Journal of Magnetic Resonance Imaging, 2021, 53, 1730-1731.	3.4	0
17	Association of Pro-B-type Natriuretic Peptide With Cardiac Magnetic Resonance Measured Global and Regional Cardiac Function and Structure Over 10 Years: The MESA Study. Journal of the American Heart Association, 2021, 10, e019243.	3.7	6
18	A Phase II study of autologous mesenchymal stromal cells and kit positive cardiac cells, alone or in combination, in patients with ischaemic heart failure: the CTRN CONCERTA-HF trial. European Journal of Heart Failure, 2021, 23, 661-674.	7.1	89

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19	Abstract 011: Cardiovascular Risk Prediction Using Machine Learning In A Large Japanese Cohort. <i>Circulation</i> , 2021, 143, .	1.6	1
20	Associations between menopause, cardiac remodeling, and diastolic function: the CARDIA study. <i>Menopause</i> , 2021, 28, 1166-1175.	2.0	5
21	Extracellular volume-guided late gadolinium enhancement analysis for non-ischemic cardiomyopathy: The Women's Interagency HIV Study. <i>BMC Medical Imaging</i> , 2021, 21, 116.	2.7	1
22	Temporal change in inflammatory biomarkers and risk of cardiovascular events: the Multi-Ethnic Study of Atherosclerosis. <i>ESC Heart Failure</i> , 2021, 8, 3769-3782.	3.1	4
23	Effect of cardiosphere-derived cells on segmental myocardial function after myocardial infarction: ALLSTAR randomised clinical trial. <i>Open Heart</i> , 2021, 8, e001614.	2.3	15
24	Left Atrial Remodeling Assessed by Serial Longitudinal Cardiac MRI in MESA. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1678-1680.	5.3	2
25	Left Atrioventricular Coupling Index to Predict Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 704611.	2.4	13
26	Right ventricular function as assessed by cardiac magnetic resonance imaging-derived strain parameters compared to high-fidelity micromanometer catheter measurements. <i>Pulmonary Circulation</i> , 2021, 11, 1-10.	1.7	4
27	Left Atrioventricular Coupling Index as a Prognostic Marker of Cardiovascular Events: The MESA Study. <i>Hypertension</i> , 2021, 78, 661-671.	2.7	33
28	Association of Longitudinal Changes in NT-proBNP With Changes in Left Atrial Volume and Function: MESA. <i>American Journal of Hypertension</i> , 2021, 34, 626-635.	2.0	6
29	A Case for Left Atrial Function Assessment in Dilated Cardiomyopathy. <i>Radiology</i> , 2021, , 212091.	7.3	0
30	Role of Imaging in Diagnosis and Management of COVID-19: A Multiorgan Multimodality Imaging Review. <i>Frontiers in Medicine</i> , 2021, 8, 765975.	2.6	9
31	Intermediate Markers Underlying Electrocardiographic Predictors of Incident Atrial Fibrillation: the MESA. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, , CIRCEP121009805.	4.8	1
32	Deep Learning Analysis of Cardiac MRI in Legacy Datasets: Multi-Ethnic Study of Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 807728.	2.4	8
33	Association of coronary artery calcification and thoracic aortic calcification with incident peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>European Heart Journal Open</i> , 2021, 1, oeab042.	2.3	0
34	Application of measurement error models to correct for systematic differences among readers and vendors in echocardiography measurements: the CARDIA study. <i>Journal of Applied Statistics</i> , 2020, 47, 1315-1324.	1.3	0
35	Pulmonary Artery Acceleration Time in Young Adulthood and Cardiovascular Outcomes Later in Life: The Coronary Artery Risk Development in Young Adults Study. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 82-89.e1.	2.8	2
36	Allogeneic Mesenchymal Cell Therapy in Anthracycline-Induced Cardiomyopathy Heart Failure Patients. <i>JACC: CardioOncology</i> , 2020, 2, 581-595.	4.0	24

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37	Sleep-disordered breathing and left ventricular scar on cardiac magnetic resonance: results of the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 855-862.	2.6	7
38	Association of smoking and right ventricular function in middle age: CARDIA study. <i>Open Heart</i> , 2020, 7, e001270.	2.3	6
39	Reference ranges (normal values) for cardiovascular magnetic resonance (CMR) in adults and children: 2020 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 87.	3.3	233
40	Cross-sectional imaging in patients with primary sclerosing cholangitis: Single time-point liver or spleen volume is associated with survival. <i>European Journal of Radiology</i> , 2020, 132, 109331.	2.6	4
41	Sex Differences in the Association of Cumulative Body Mass Index from Early Adulthood to Middle Age and Left Atrial Remodeling Evaluated by Three-Dimensional Echocardiography: The Coronary Artery Risk Development in Young Adults Study. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 878-887.e3.	2.8	3
42	Analysis of cardiac magnetic resonance imaging in 36,000 individuals yields genetic insights into dilated cardiomyopathy. <i>Nature Communications</i> , 2020, 11, 2254.	12.8	140
43	Coffee and tea consumption in the early adult lifespan and left ventricular function in middle age: the CARDIA study. <i>ESC Heart Failure</i> , 2020, 7, 1510-1519.	3.1	9
44	Association of soluble interleukin-2 receptor 1 α and tumour necrosis factor receptor 1 with heart failure: The Multi-Ethnic Study of Atherosclerosis. <i>ESC Heart Failure</i> , 2020, 7, 639-644.	3.1	11
45	Temporal Changes in Resting Heart Rate, Left Ventricular Dysfunction, Heart Failure and Cardiovascular Disease: CARDIA Study. <i>American Journal of Medicine</i> , 2020, 133, 946-953.	1.5	10
46	Non-contrast coronary magnetic resonance angiography: current frontiers and future horizons. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 591-612.	2.0	20
47	Association of right atrial structure with incident atrial fibrillation: a longitudinal cohort cardiovascular magnetic resonance study from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 36.	3.3	26
48	Abstract P138: The Association of Long-Term Air Pollution Exposure With Left Atrial Structure and Function in the Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2020, 141, .	1.6	0
49	Ventilation defect quantification on 3He MRI through deep learning: the MESA COPD Study. , 2020, , .		0
50	Abstract 13463: Left Atrioventricular Coupling Index as a Prognostic Marker: The Multi-ethnic Study of Atherosclerosis. <i>Circulation</i> , 2020, 142, .	1.6	0
51	Abstract 14478: Left Ventricular (LV) Determinants of Left Atrial (LA) Remodeling in Ischemic Cardiomyopathy (iCM): From the Allogeneic Heart Stem Cells to Achieve Myocardial Regeneration (ALLSTAR) Double Blind Placebo Controlled Trial. <i>Circulation</i> , 2020, 142, .	1.6	0
52	Abstract 12730: Cardiosphere-derived Cells Improve Segmental Myocardial Circumferential Strain by Magnetic Resonance Imaging: Results From the Allogeneic Heart Stem Cells to Achieve Myocardial Regeneration Study. <i>Circulation</i> , 2020, 142, .	1.6	0
53	Abstract 13738: Longitudinal Changes and Remodeling in the Right Atrium: The Multi-ethnic Study of Atherosclerosis. <i>Circulation</i> , 2020, 142, .	1.6	0
54	Abstract 13514: Gender-Stratified Difference in the Association Between Coronary Artery Calcium and Incident Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2020, 142, .	1.6	0

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55	Cardiovascular ultrashort echo time to map fibrosis promises and challenges. British Journal of Radiology, 2019, 92, 20190465.	2.2	4
56	Regional abnormalities on cardiac magnetic resonance imaging and arrhythmic events in patients with cardiac sarcoidosis. Journal of Cardiovascular Electrophysiology, 2019, 30, 1967-1976.	1.7	10
57	Reproducibility and Changes in Vena Caval Blood Flow by Using 4D Flow MRI in Pulmonary Emphysema and Chronic Obstructive Pulmonary Disease (COPD): The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Substudy. Radiology, 2019, 292, 585-594.	7.3	12
58	Cardiac and skeletal muscle effects in the randomized HOPE-Duchenne trial. Neurology, 2019, 92, e866-e878.	1.1	64
59	Coronary Artery Calcium From Early Adulthood to Middle Age and Left Ventricular Structure and Function. Circulation: Cardiovascular Imaging, 2019, 12, e009228.	2.6	13
60	Left Atrial Mechanical Function and Incident Ischemic Cerebrovascular Events Independent of AF. JACC: Cardiovascular Imaging, 2019, 12, 2417-2427.	5.3	68
61	THE ROLE OF ATHEROSCLEROSIS AND LEFT VENTRICULAR STRUCTURE AND FUNCTION IN FRAILTY DEVELOPMENT: RESULTS FROM THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS (MESA). Journal of the American College of Cardiology, 2019, 73, 1545.	2.8	0
62	Probing the Liver-Heart Axis. Radiology, 2019, 291, 338-339.	7.3	1
63	Prevalence of Unexplained Left Ventricular Hypertrophy by Cardiac Magnetic Resonance Imaging in MESA. Journal of the American Heart Association, 2019, 8, e012250.	3.7	33
64	WHOLE-BODY MRI TO ASSESS SUBCLINICAL CARDIOVASCULAR DISEASE AND FRAILTY DEVELOPMENT. Innovation in Aging, 2019, 3, S87-S88.	0.1	0
65	Automated Stenosis Detection and Classification in X-ray Angiography Using Deep Neural Network. , 2019, , .		13
66	Change in Physical Activity and Cardiac Structure over 10 Years: The Multi-Ethnic Study of Atherosclerosis. Medicine and Science in Sports and Exercise, 2019, 51, 2033-2040.	0.4	3
67	Association of myocardial fibrosis and cardiovascular events: the multi-ethnic study of atherosclerosis. European Heart Journal Cardiovascular Imaging, 2019, 20, 168-176.	1.2	40
68	Left ventricular global function index predicts incident heart failure and cardiovascular disease in young adults: the coronary artery risk development in young adults (CARDIA) study. European Heart Journal Cardiovascular Imaging, 2019, 20, 533-540.	1.2	39
69	Late Breaking Abstract - Apparent diffusion coefficient by 3He MRI and quantitative emphysema subtypes by CT. , 2019, , .		1
70	Relation of Sex Hormone Levels With Prevalent and 10-Year Change in Aortic Distensibility Assessed by MRI: The Multi-Ethnic Study of Atherosclerosis. American Journal of Hypertension, 2018, 31, 774-783.	2.0	22
71	Association of Liver Fibrosis With Cardiovascular Diseases in the General Population. Circulation: Cardiovascular Imaging, 2018, 11, e007241.	2.6	67
72	Imaging Insights on the Aorta in Aging. Circulation: Cardiovascular Imaging, 2018, 11, e005617.	2.6	44

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73	Metabolic Syndrome Is Associated With Impaired Diastolic Function Independently of MRI-Derived Myocardial Extracellular Volume: The MESA Study. <i>Diabetes</i> , 2018, 67, 1007-1012.	0.6	26
74	Left Ventricular Hypertrophy and Remodeling and Risk of Cognitive Impairment and Dementia. <i>Hypertension</i> , 2018, 71, 429-436.	2.7	29
75	The impact of ambrisentan and tadalafil upfront combination therapy on cardiac function in scleroderma associated pulmonary arterial hypertension patients: cardiac magnetic resonance feature tracking study. <i>Pulmonary Circulation</i> , 2018, 8, 1-11.	1.7	30
76	Left Atrial Strain to Address the Cryptogenic Puzzle. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1566-1568.	5.3	8
77	Association Between Inflammatory Markers and Myocardial Fibrosis. <i>Hypertension</i> , 2018, 72, 902-908.	2.7	29
78	T1 Mapping in Stem Cell Therapy. , 2018, , 87-100.		0
79	Cumulative blood pressure from early adulthood to middle age is associated with left atrial remodelling and subclinical dysfunction assessed by three-dimensional echocardiography: a prospective post hoc analysis from the coronary artery risk development in young adults study. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 977-984.	1.2	26
80	Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	52
81	Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease. <i>Circulation</i> , 2017, 135, 1417-1428.	1.6	46
82	Right Ventricular Systolic Dysfunction in Chagas Disease Defined by Speckle-Tracking Echocardiography: A Comparative Study with Cardiac Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 493-502.	2.8	20
83	Left ventricular shape predicts different types of cardiovascular events in the general population. <i>Heart</i> , 2017, 103, 499-507.	2.9	45
84	Hypertrabeculated Left Ventricular Myocardium in Relationship to Myocardial Function and Fibrosis: The Multi-Ethnic Study of Atherosclerosis. <i>Radiology</i> , 2017, 284, 667-675.	7.3	25
85	Reference Ranges and Regional Patterns of Left Ventricular Strain and Strain Rate Using Two-Dimensional Speckle-Tracking Echocardiography in a Healthy Middle-Aged Black and White Population: The CARDIA Study. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 647-658.e2.	2.8	34
86	Subclinical myocardial disease by cardiac magnetic resonance imaging and spectroscopy in healthy HIV/Hepatitis C virus-coinfected persons. <i>Journal of International Medical Research</i> , 2017, 45, 1693-1707.	1.0	10
87	CORONARY ARTERY STRUCTURAL REMODELING BY COMPUTED TOMOGRAPHY AND ECHOCARDIOGRAPHIC LEFT VENTRICULAR MASS CHANGES OVER THE NEXT 5 YEARS: THE CORONARY ARTERY RISK DEVELOPMENT IN YOUNG ADULTS (CARDIA) STUDY. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1604.	2.8	1
88	Association of left atrial structure and function and incident cardiovascular disease in patients with diabetes mellitus: results from multi-ethnic study of atherosclerosis (MESA). <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1138-1144.	1.2	39
89	Evaluation of Right Ventricular Systolic Function in Chagas Disease Using Cardiac Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	22
90	Association of Cardiovascular Risk Factors and Myocardial Fibrosis With Early Cardiac Dysfunction in Type 1 Diabetes: The Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications Study. <i>Diabetes Care</i> , 2017, 40, 405-411.	8.6	38

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91	Natural Selection on Genes Related to Cardiovascular Health in High-Altitude Adapted Andeans. American Journal of Human Genetics, 2017, 101, 752-767.	6.2	99
92	Association of Aortic Root Dilation from Early Adulthood to Middle Age with Cardiac Structure and Function: The CARDIA Study. Journal of the American Society of Echocardiography, 2017, 30, 1172-1179.	2.8	23
93	Electrocardiographic Strain Pattern Is Associated With Left Ventricular Concentric Remodeling, Scar, and Mortality Over 10 Years: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2017, 6, .	3.7	10
94	Cardiovascular Event Prediction by Machine Learning. Circulation Research, 2017, 121, 1092-1101.	4.5	414
95	Aortic Arch Pulse Wave Velocity Assessed by Magnetic Resonance Imaging as a Predictor of Incident Cardiovascular Events. Hypertension, 2017, 70, 524-530.	2.7	67
96	Electrocardiographic Impact of Myocardial Diffuse Fibrosis and Scar: MESA (Multi-Ethnic Study of) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	7.3	30
97	Baseline assessment and comparison of arterial anatomy, hyperemic flow, and skeletal muscle perfusion in peripheral artery disease: The Cardiovascular Cell Therapy Research Network "Patients with Intermittent Claudication Injected with ALDH Bright Cells" (CCTRN PACE) study. American Heart Journal, 2017, 183, 24-34.	2.7	13
98	Orthogonal decomposition of left ventricular remodeling in myocardial infarction. GigaScience, 2017, 6, 1-15.	6.4	12
99	Progression of Coronary Artery Calcium and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2017, 6, .	3.7	19
100	Association of Elevated NT-proBNP With Myocardial Fibrosis in the Multi-Ethnic Study of Atherosclerosis (MESA). Journal of the American College of Cardiology, 2017, 70, 3102-3109.	2.8	58
101	Pulmonary vascular volume, impaired left ventricular filling and dyspnea: The MESA Lung Study. PLoS ONE, 2017, 12, e0176180.	2.5	50
102	Pulmonary hyperinflation due to gas trapping and pulmonary artery size: The MESA COPD Study. PLoS ONE, 2017, 12, e0176812.	2.5	10
103	Healthy aging of the left ventricle in relationship to cardiovascular risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). PLoS ONE, 2017, 12, e0179947.	2.5	12
104	Hepatic steatosis is associated with cardiometabolic risk in a rural Indian population: A prospective cohort study. International Journal of Cardiology, 2016, 225, 161-166.	1.7	11
105	Association of Aortic Stiffness With Left Ventricular Remodeling and Reduced Left Ventricular Function Measured by Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	79
106	Cardiac Magnetic Resonance "Measured Left Atrial Volume and Function and Incident Atrial Fibrillation. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	104
107	Ten-year longitudinal change in aortic stiffness assessed by cardiac MRI in the second half of the human lifespan: the multi-ethnic study of atherosclerosis. European Heart Journal Cardiovascular Imaging, 2016, 17, 1044-1053.	1.2	52
108	Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk. JAMA Internal Medicine, 2016, 176, 87.	5.1	115

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109	Reproducibility of functional aortic analysis using magnetic resonance imaging: the MESA. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 909-917.	1.2	28
110	Left atrial structure and functional quantitation using cardiovascular magnetic resonance and multimodality tissue tracking: validation and reproducibility assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 52.	3.3	83
111	Regional myocardial functional patterns: Quantitative tagged magnetic resonance imaging in an adult population free of cardiovascular risk factors: The multi-ethnic study of atherosclerosis (MESA). <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 153-159.	3.4	20
112	Information maximizing component analysis of left ventricular remodeling due to myocardial infarction. <i>Journal of Translational Medicine</i> , 2015, 13, 343.	4.4	20
113	Association of serum leptin with future left ventricular structure and function: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>International Journal of Cardiology</i> , 2015, 193, 64-68.	1.7	11
114	Estimation of aortic pulse wave transit time in MRI using complex wavelet cross-spectrum analysis. , 2015, , .		0
115	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2473.	2.8	0
116	Associations of electrocardiographic P-wave characteristics with left atrial function, and diffuse left ventricular fibrosis defined by cardiac magnetic resonance: The PRIMERI Study. <i>Heart Rhythm</i> , 2015, 12, 155-162.	0.7	92
117	Association of subclinical atherosclerosis using carotid intima-media thickness, carotid plaque, and coronary calcium score with left ventricular dyssynchrony: The multi-ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2015, 239, 412-418.	0.8	20
118	Comparison of strain measurement from multimodality tissue tracking with strain-encoding MRI and harmonic phase MRI in pulmonary hypertension. <i>International Journal of Cardiology</i> , 2015, 182, 342-348.	1.7	31
119	Cumulative Blood Pressure in Early Adulthood and Cardiac Dysfunction in Middle Age. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2679-2687.	2.8	103
120	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Current Cardiovascular Imaging Reports</i> , 2015, 8, 1.	0.6	5
121	Raceâ€“Ethnic and Sex Differences in Left Ventricular Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Journal of the American Heart Association</i> , 2015, 4, e001264.	3.7	75
122	Estimation of aortic pulse wave transit time in cardiovascular magnetic resonance using complex wavelet cross-spectrum analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 65.	3.3	26
123	Cardiac MRI: a central prognostic tool in myocardial fibrosis. <i>Nature Reviews Cardiology</i> , 2015, 12, 18-29.	13.7	164
124	Left ventricular torsion shear angle volume analysis in patients with hypertension: a global approach for LV diastolic function. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 70.	3.3	13
125	Interstitial Fibrosis, Left Ventricular Remodeling, and Myocardial Mechanical Behavior in a Population-Based Multiethnic Cohort. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 292-302.	2.6	86
126	Association of Longitudinal Changes in Left Ventricular Structure and Function With Myocardial Fibrosis. <i>Hypertension</i> , 2014, 64, 508-515.	2.7	67

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127	Multi-Ethnic Study of Atherosclerosis: Association between Left Atrial Function Using Tissue Tracking from Cine MR Imaging and Myocardial Fibrosis. <i>Radiology</i> , 2014, 273, 703-713.	7.3	58
128	Left atrial structure and functional quantitation using cardiac magnetic resonance: comparison of manual delineation vs. multimodality tissue tracking based semi-automated methods. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P348.	3.3	0
129	Comparison of strain measurement from multimodality tissue tracking with strain-encoding MRI and harmonic ophase MRI in Pulmonary Hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, O38.	3.3	0
130	Diastolic function assessed from tagged MRI predicts heart failure and atrial fibrillation over an 8-year follow-up period: the multi-ethnic study of atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 442-449.	1.2	47
131	Rationale and Design for PACE: Patients with Intermittent Claudication Injected with ALDH Bright Cells. <i>American Heart Journal</i> , 2014, 168, 667-673.e2.	2.7	24
132	Reply. <i>Journal of the American College of Cardiology</i> , 2014, 64, 422.	2.8	1
133	Left ventricular shape variation in asymptomatic populations: the multi-ethnic study of atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 56.	3.3	75
134	Association of Obesity in Early Adulthood and Middle Age With Incipient Left Ventricular Dysfunction and Structural Remodeling. <i>JACC: Heart Failure</i> , 2014, 2, 500-508.	4.1	85
135	Left atrial dimension and traditional cardiovascular risk factors predict 20-year clinical cardiovascular events in young healthy adults: the CARDIA study. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 893-899.	1.2	44
136	Resting Heart Rate as Predictor for Left Ventricular Dysfunction and Heart Failure. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1182-1189.	2.8	86
137	Feature Tracking Cardiac Magnetic Resonance Imaging in the Assessment of Left Atrial Function. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2434-2435.	2.8	7
138	Abstract 12226: Left Atrial Structure and Function and Cardiovascular Events in Patients With Diabetes Mellitus: Results From Multi-Ethnic Study of Atherosclerosis (MESA). <i>Circulation</i> , 2014, 130, .	1.6	1
139	Abstract 16673: Framingham Risk Trajectories Predict Left Ventricular Dyssynchrony as a Measure of Subclinical Myocardial Dysfunction: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Circulation</i> , 2014, 130, .	1.6	0
140	Left ventricular torsional hysteresis in patients with hypertension: a global parameter for diastolic function. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, O28.	3.3	0
141	Diastolic function from tagged MRI and myocardial fibrosis: the Multi-Ethnic study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, O82.	3.3	0
142	Association between left atrial function using multimodality tissue tracking from cine MRI and myocardial scar in the multi-ethnic study of atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, P266.	3.3	1
143	Inter-study reproducibility of cardiovascular magnetic resonance tagging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 37.	3.3	41
144	Relation of Torsion and Myocardial Strains to LV Ejection Fraction in Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 273-281.	5.3	58

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145	MR proton spectroscopy for myocardial lipid deposition quantification: A quantitative comparison between 1.5T and 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1222-1230.	3.4	20
146	Heterogeneous distribution of myocardial steatosis—An ex vivo evaluation. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1-7.	3.0	11
147	Three-dimensional plus time biventricular strain from tagged MR images by phase-unwrapped harmonic phase. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 799-810.	3.4	14
148	3D left ventricular strain from unwrapped harmonic phase measurements. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 854-862.	3.4	25
149	Estimating Errors in Concentration Measurements Obtained from Image Analysis. <i>Vadose Zone Journal</i> , 2009, 8, 108-118.	2.2	8
150	3D left ventricular strain by phase unwrapping: A simulated annealing based branch-cut placement method. , 2009, , .		1
151	Measuring 3D left ventricular strain from unwrapped harmonic phase. , 2008, , .		1
152	Human-in-the-Loop Artificial Intelligence in Cardiac MRI. <i>Radiology</i> , 0, , .	7.3	0