

James C Carr

List of Publications by Year in descending order

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157
papers

4,444
citations

109137

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Global Aortic Pulse Wave Velocity is Unchanged in Bicuspid Aortopathy With Normal Valve Function but Elevated in Patients With Aortic Valve Stenosis: Insights From a <scp>4D</scp> Flow <scp>MRI</scp> Study of 597 Subjects. Journal of Magnetic Resonance Imaging, 2023, 57, 126-136.	1.9	4
2	Cardiac Magnetic Resonance Imaging Feature Tracking Demonstrates Altered Biventricular Strain in Obese Subjects in the Absence of Clinically Apparent Cardiovascular Disease. Journal of Thoracic Imaging, 2022, 37, W1-W2.	0.8	4
3	Evaluation of Pulmonary Hypertension Using <scp>4D</scp> Flow <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2022, 56, 234-245.	1.9	18
4	Abnormalities in Cardiac Structure and Function among Individuals with CKD: The COMBINE Trial. Kidney360, 2022, 3, 258-268.	0.9	5
5	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 1.	1.6	15
6	Aortic Pulse Wave Velocity Evaluated by <scp>4D</scp> Flow <scp>MRI</scp> Across the Adult Lifespan. Journal of Magnetic Resonance Imaging, 2022, 56, 464-473.	1.9	10
7	Team Approach to Improving Radiologist Wellness: A Case-Based Methodology. Current Problems in Diagnostic Radiology, 2022, 51, 806-812.	0.6	3
8	Optimal saturation recovery time for minimizing the underestimation of arterial input function in quantitative cardiac perfusion <scp>MRI</scp>. Magnetic Resonance in Medicine, 2022, 88, 832-839.	1.9	2
9	<scp>MRA</scp> of the Supraaortic Vasculature: Comparison of Gadobutrol and Gadoterate Meglumine at 1.<scp>5 T</scp>. Journal of Magnetic Resonance Imaging, 2022, 56, 440-449.	1.9	1
10	Role of Ergonomic Improvements in Decreasing Repetitive Stress Injuries and Promoting Well-Being in a Radiology Department. Academic Radiology, 2022, 29, 1387-1393.	1.3	6
11	Multiparametric Cardiac Magnetic Resonance Imaging Detects Altered Myocardial Tissue and Function in Heart Transplantation Recipients Monitored for Cardiac Allograft Vasculopathy. Journal of Cardiovascular Imaging, 2022, 30, 263.	0.2	3
12	Cardiac MRI Reveals Late Diastolic Changes in Left Ventricular Relaxation Patterns During Healthy Aging. Journal of Magnetic Resonance Imaging, 2021, 53, 766-774.	1.9	5
13	Editorial for: "Biventricular Reference Values by Body Surface Area, Age, and Gender in a Large Cohort of Well-Treated Beta-Thalassemia Major Patients Without Heart Damage Using a Multiparametric C<scp>MR</scp> Approach". Journal of Magnetic Resonance Imaging, 2021, 53, 71-72.	1.9	1
14	Aortic annular dimensions by non-contrast MRI using "t accelerated 3D cine b-SSFP in pre-procedural assessment for transcatheter aortic valve implantation: a technical feasibility study. International Journal of Cardiovascular Imaging, 2021, 37, 651-661.	0.7	3
15	Highly accelerated aortic 4D flow MRI using compressed sensing: Performance at different acceleration factors in patients with aortic disease. Magnetic Resonance in Medicine, 2021, 85, 2174-2187.	1.9	18
16	Cine <scp>MRI</scp> detects elevated left heart pressure in pulmonary hypertension. Journal of Magnetic Resonance Imaging, 2021, 54, 275-283.	1.9	4
17	4D flow MRI left atrial kinetic energy in hypertrophic cardiomyopathy is associated with mitral regurgitation and left ventricular outflow tract obstruction. International Journal of Cardiovascular Imaging, 2021, 37, 2755-2765.	0.7	3
18	A theoretical framework for retrospective correction to the arterial input function in quantitative myocardial perfusion MRI. Magnetic Resonance in Medicine, 2021, 86, 1137-1144.	1.9	2

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19	Evaluation of Renal Allograft Vasculature Using Non-contrast 3D Inversion Recovery Balanced Steady-state Free Precession MRA and 2D Quiescent-interval Slice-selective MRA. <i>Exploratory Research and Hypothesis in Medicine</i> , 2021, 000, 000-000.	0.1	4
20	Cardiovascular magnetic resonance in women with cardiovascular disease: position statement from the Society for Cardiovascular Magnetic Resonance (SCMR). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 52.	1.6	19
21	Aortic enlargement in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. <i>International Journal of Cardiology</i> , 2021, 331, 214-220.	0.8	10
22	Cine MRI characterizes HFpEF and HFrEF in post-capillary pulmonary hypertension. <i>European Journal of Radiology</i> , 2021, 139, 109679.	1.2	3
23	Updates in Magnetic Resonance Venous Imaging. <i>Seminars in Interventional Radiology</i> , 2021, 38, 202-208.	0.3	3
24	Identification of Cardiac Fibrosis in Young Adults With a Homozygous Frameshift Variant in <i>SERPINE1</i> . <i>JAMA Cardiology</i> , 2021, 6, 841.	3.0	8
25	Automated segmentation of biventricular contours in tissue phase mapping using deep learning. <i>NMR in Biomedicine</i> , 2021, 34, e4606.	1.6	2
26	Fibrosis in Hypertrophic Cardiomyopathy Patients With and Without Sarcomere Gene Mutations. <i>Heart Lung and Circulation</i> , 2021, 30, 1496-1501.	0.2	10
27	Direct mitral regurgitation quantification in hypertrophic cardiomyopathy using 4D flow CMR jet tracking: evaluation in comparison to conventional CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 138.	1.6	6
28	Effect of Aortic Valve Disease on 3D Hemodynamics in Patients With Aortic Dilatation and Trileaflet Aortic Valve Morphology. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 481-491.	1.9	11
29	Cardiac T ₁ mapping: Techniques and applications. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1336-1356.	1.9	34
30	Parametric Hemodynamic 4D Flow MRI Maps for the Characterization of Chronic Thoracic Descending Aortic Dissection. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1357-1368.	1.9	27
31	Diffuse right ventricular fibrosis in heart failure with preserved ejection fraction and pulmonary hypertension. <i>ESC Heart Failure</i> , 2020, 7, 254-264.	1.4	39
32	Semi-quantitative myocardial perfusion MRI in heart transplant recipients at rest: repeatability in healthy controls and assessment of cardiac allograft vasculopathy. <i>Clinical Imaging</i> , 2020, 61, 62-68.	0.8	5
33	Left ventricular extracellular volume expansion does not predict recurrence of atrial fibrillation following catheter ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 159-166.	0.5	2
34	Cost-effectiveness of lung MRI in lung cancer screening. <i>European Radiology</i> , 2020, 30, 1738-1746.	2.3	23
35	Four-dimensional Flow Magnetic Resonance Imaging Quantification of Blood Flow in Bicuspid Aortic Valve. <i>Journal of Thoracic Imaging</i> , 2020, Publish Ahead of Print, 383-388.	0.8	7
36	Relation of Late Gadolinium Enhancement and Extracellular Volume Fraction to Ventricular Arrhythmias in Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2020, 131, 104-108.	0.7	4

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37	Society for Cardiovascular Magnetic Resonance (SCMR) recommended CMR protocols for scanning patients with active or convalescent phase COVID-19 infection. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 61.	1.6	63
38	Society for Cardiovascular Magnetic Resonance (SCMR) guidance for re-activation of cardiovascular magnetic resonance practice after peak phase of the COVID-19 pandemic. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 58.	1.6	13
39	Hypertrophic Cardiomyopathy Is Associated with Altered Left Ventricular 3D Blood Flow Dynamics. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190038.	0.9	7
40	Left Ventricular Extracellular Volume Expansion Is Not Associated with Atrial Fibrillation or Atrial Fibrillation-mediated Left Ventricular Systolic Dysfunction. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190096.	0.9	2
41	Highlights of the 2020 23rd Society for Cardiovascular Magnetic Resonance Scientific Sessions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 75.	1.6	1
42	Kidney Functional Magnetic Resonance Imaging and Change in eGFR in Individuals with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020, 15, 776-783.	2.2	27
43	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. <i>Annals of Thoracic Surgery</i> , 2020, 110, 733-740.	0.7	15
44	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic: From the North American Society Leadership. <i>Canadian Journal of Cardiology</i> , 2020, 36, 971-976.	0.8	13
45	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. <i>Journal of the American College of Cardiology</i> , 2020, 75, 3177-3183.	1.2	41
46	Cardiac MRI Myocardial Functional and Tissue Characterization Detects Early Cardiac Dysfunction in a Mouse Model of Chemotherapy-induced Cardiotoxicity. <i>NMR in Biomedicine</i> , 2020, 33, e4327.	1.6	10
47	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2088-2102.	1.9	15
48	Effect of Aortic Valve Disease on 3D Hemodynamics in Patients With Aortic Dilation and Trileaflet Aortic Valve Morphology. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, spcone.	1.9	1
49	Evaluating Biventricular Myocardial Velocity and Interventricular Dyssynchrony in Adult Patients During the First Year After Heart Transplantation. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 920-929.	1.9	1
50	Rapid dealiasing of undersampled, non-Cartesian cardiac perfusion images using U-net. <i>NMR in Biomedicine</i> , 2020, 33, e4239.	1.6	26
51	Society for Cardiovascular Magnetic Resonance (SCMR) guidance for the practice of cardiovascular magnetic resonance during the COVID-19 pandemic. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 26.	1.6	58
52	Prognostic Value of Myocardial Extracellular Volume Fraction and T2-mapping in Heart Transplant Patients. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1521-1530.	2.3	29
53	5D Flow MRI: A Fully Self-gated, Free-running Framework for Cardiac and Respiratory Motion-resolved 3D Hemodynamics. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200219.	0.9	30
54	Changes in the specific absorption rate (SAR) of radiofrequency energy in patients with retained cardiac leads during MRI at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 653-669.	1.9	42

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55	Cardiac Structure and Function MRI in Patients After Heart Transplantation. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 678-687.	1.9	14
56	Two-Minute k-Space and Time-accelerated Aortic Four-dimensional Flow MRI: Dual-Center Study of Feasibility and Impact on Velocity and Wall Shear Stress Quantification. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e180008.	0.9	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. <i>Radiology</i> , 2019, 292, 585-594.	3.6	12
58	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , 2019, 293, 541-550.	3.6	21
59	Interval changes in aortic peak velocity and wall shear stress in patients with bicuspid aortic valve disease. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1925-1934.	0.7	19
60	Slow-Release Doxorubicin Pellets Generate Myocardial Cardiotoxic Changes in Mice Without Significant Systemic Toxicity. <i>Cardiovascular Toxicology</i> , 2019, 19, 482-484.	1.1	5
61	Multiparametric Cardiac Magnetic Resonance Imaging Can Detect Acute Cardiac Allograft Rejection After Heart Transplantation. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1632-1641.	2.3	60
62	Aortic 4D flow MRI in 2 minutes using compressed sensing, respiratory controlled adaptive k-space reordering, and inline reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3675-3690.	1.9	70
63	Impact of age and cardiac disease on regional left and right ventricular myocardial motion in healthy controls and patients with repaired tetralogy of fallot. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1119-1132.	0.7	12
64	Donor and Recipient Characteristics in Heart Transplantation Are Associated with Altered Myocardial Tissue Structure and Cardiac Function. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190009.	0.9	2
65	Accelerated, free-breathing, noncontrast, electrocardiograph-triggered, thoracic MR angiography with stack of k-space sampling and GRASP reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 524-532.	1.9	12
66	Accelerated, first-pass cardiac perfusion pulse sequence with radial k-space sampling, compressed sensing, and k-space weighted image contrast reconstruction tailored for visual analysis and quantification of myocardial blood flow. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2632-2643.	1.9	16
67	Comprehensive evaluation of macroscopic and microscopic myocardial fibrosis by cardiac MR: intra-individual comparison of gadobutrol versus gadoterate meglumine. <i>European Radiology</i> , 2019, 29, 4357-4367.	2.3	8
68	Wideband myocardial perfusion pulse sequence for imaging patients with a cardiac implantable electronic device. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1219-1228.	1.9	7
69	Accelerated real-time cardiac MRI using iterative sparse SENSE reconstruction: comparing performance in patients with sinus rhythm and atrial fibrillation. <i>European Radiology</i> , 2018, 28, 3088-3096.	2.3	17
70	Perioperative evaluation of regional aortic wall shear stress patterns in patients undergoing aortic valve and/or proximal thoracic aortic replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2277-2286.e2.	0.4	33
71	Accelerated aortic 4D flow MRI in under two minutes: Feasibility and impact of resolution, k-space sampling patterns, and respiratory navigator gating on hemodynamic measurements. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 195-207.	1.9	42
72	Distribution of blood flow velocity in the normal aorta: Effect of age and gender. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 487-498.	1.9	52

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73	Pulmonary artery stiffness in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 262-271.	1.9	8
74	Voxel-by-voxel 4D flow MRI-based assessment of regional reverse flow in the aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1276-1286.	1.9	16
75	Validation of highly accelerated real-time cardiac cine MRI with radial k-space sampling and compressed sensing in patients at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2745-2751.	1.9	39
76	4D flow MRI, cardiac function, and T ₁ -mapping: Association of valve-mediated changes in aortic hemodynamics with left ventricular remodeling. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 121-131.	1.9	24
77	Myocarditis in Duchenne Muscular Dystrophy After Changing Steroids. <i>JAMA Cardiology</i> , 2018, 3, 1006.	3.0	8
78	Multicenter Study Evaluating Intrarenal Oxygenation and Fibrosis Using Magnetic Resonance Imaging in Individuals With Advanced CKD. <i>Kidney International Reports</i> , 2018, 3, 1467-1472.	0.4	13
79	Variability of native T1 values: implication for defining regional myocardial changes using MRI. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1637-1645.	0.7	4
80	Aortic valve-mediated wall shear stress is heterogeneous and predicts regional aortic elastic fiber thinning in bicuspid aortic valve-associated aortopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 2112-2120.e2.	0.4	103
81	Wideband LGE MRI permits unobstructed viewing of myocardial scarring in a patient with an MR-conditional subcutaneous implantable cardioverter-defibrillator. <i>Clinical Imaging</i> , 2018, 50, 294-296.	0.8	7
82	Reinforcing the Importance and Feasibility of Implementing a Low-dose Protocol for CT-guided Biopsies. <i>Academic Radiology</i> , 2018, 25, 1146-1151.	1.3	2
83	MR imaging of iliofemoral peripheral vascular calcifications using proton density-weighted, in-phase three-dimensional stack-of-stars gradient echo. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2146-2152.	1.9	18
84	In Vivo Assessment of the Impact of Regional Intracranial Atherosclerotic Lesions on Brain Arterial 3D Hemodynamics. <i>American Journal of Neuroradiology</i> , 2017, 38, 515-522.	1.2	18
85	Accelerated dual-contrast 4D flow MRI for neurovascular applications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 102-114.	1.9	76
86	The consistency of myocardial strain derived from heart deformation analysis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1169-1177.	0.7	7
87	Importance of variants in cerebrovascular anatomy for potential retrograde embolization in cryptogenic stroke. <i>European Radiology</i> , 2017, 27, 4145-4152.	2.3	9
88	JOURNAL CLUB: Four-Dimensional Flow MRI-Based Splenic Flow Index for Predicting Cirrhosis-Associated Hypersplenism. <i>American Journal of Roentgenology</i> , 2017, 209, 46-54.	1.0	14
89	Automated Description of Regional Left Ventricular Motion in Patients With Cardiac Amyloidosis: A Quantitative Study Using Heart Deformation Analysis. <i>American Journal of Roentgenology</i> , 2017, 209, W57-W63.	1.0	7
90	A Papillary Fibroelastoma Involving Aortic and Pulmonary Valves: Findings on Multimodality Imaging. <i>Annals of Thoracic Surgery</i> , 2017, 103, e73-e75.	0.7	8

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91	Superior Abdominal 4D Flow MRI Data Consistency with Adjusted Preprocessing Workflow and Noncontrast Acquisitions. <i>Academic Radiology</i> , 2017, 24, 350-358.	1.3	5
92	QISS MR Angiography. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1125-1127.	2.3	6
93	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4-Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	126
94	Cardiovascular MRI in Thoracic Aortopathy: A Focused Review of Recent Literature Updates. <i>Current Radiology Reports</i> , 2017, 5, 1.	0.4	1
95	Heart deformation analysis: the distribution of regional myocardial motion patterns at left ventricle. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 351-359.	0.7	7
96	Plaque Composition in the Proximal Superficial Femoral Artery and Peripheral Artery Disease Events. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1003-1012.	2.3	40
97	Volumetric quantification of absolute local normalized helicity in patients with bicuspid aortic valve and aortic dilatation. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 689-701.	1.9	45
98	Reproducibility of cine displacement encoding with stimulated echoes (DENSE) in human subjects. <i>Magnetic Resonance Imaging</i> , 2017, 35, 148-153.	1.0	24
99	Physicians' professional identities: a roadmap to understanding "value" in cardiovascular imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 52.	1.6	11
100	Reproducibility and interobserver variability of systolic blood flow velocity and 3D wall shear stress derived from 4D flow MRI in the healthy aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 236-248.	1.9	81
101	4D flow MRI and T ₁ -Mapping: Assessment of altered cardiac hemodynamics and extracellular volume fraction in hypertrophic cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 107-114.	1.9	36
102	Assessment of left and right atrial 3D hemodynamics in patients with atrial fibrillation: a 4D flow MRI study. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 807-815.	0.7	33
103	The Safety of Cardiac and Thoracic Magnetic Resonance Imaging in Patients with Cardiac Implantable Electronic Devices. <i>Academic Radiology</i> , 2016, 23, 1498-1505.	1.3	35
104	Heart deformation analysis for automated quantification of cardiac function and regional myocardial motion patterns: A proof of concept study in patients with cardiomyopathy and healthy subjects. <i>European Journal of Radiology</i> , 2016, 85, 1811-1817.	1.2	15
105	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1239-1247.	0.5	42
106	Left Atrial and Left Atrial Appendage 4D Blood Flow Dynamics in Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e004984.	1.3	91
107	Improved Semiautomated 4D Flow MRI Analysis in the Aorta in Patients With Congenital Aortic Valve Anomalies Versus Tricuspid Aortic Valves. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 102-108.	0.5	30
108	Comparison of 4D flow and 2D velocity-encoded phase contrast MRI sequences for the evaluation of aortic hemodynamics. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1529-1541.	0.7	51

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109	Optimized AIR and investigational MOLLI cardiac T_1 mapping pulse sequences produce similar intra-scan repeatability in patients at 3T. <i>NMR in Biomedicine</i> , 2016, 29, 1454-1463.	1.6	7
110	Hemodynamic evaluation in patients with transposition of the great arteries after the arterial switch operation: 4D flow and 2D phase contrast cardiovascular magnetic resonance compared with Doppler echocardiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 59.	1.6	19
111	Age-related changes in aortic 3D blood flow velocities and wall shear stress: Implications for the identification of altered hemodynamics in patients with aortic valve disease. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1239-1249.	1.9	66
112	Reduction of aberrant aortic haemodynamics following aortic root replacement with a mechanical valved conduit. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 416-423.	0.5	18
113	Highly accelerated cardiac MRI using iterative SENSE reconstruction: initial clinical experience. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 955-963.	0.7	14
114	Right ventricular assessment at cardiac MRI: initial clinical experience utilizing an IS-SENSE reconstruction. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1081-1091.	0.7	9
115	Analyzing myocardial torsion based on tissue phase mapping cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 15.	1.6	12
116	Three-dimensional left atrial blood flow characteristics in patients with atrial fibrillation assessed by 4D flow CMR. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1259-1268.	0.5	46
117	Heart deformation analysis: measuring regional myocardial velocity with MR imaging. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1103-1111.	0.7	14
118	Reproducibility and observer variability of tissue phase mapping for the quantification of regional myocardial velocities. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1227-1234.	0.7	14
119	Evaluation of blood flow distribution asymmetry and vascular geometry in patients with Fontan circulation using 4-D flow MRI. <i>Pediatric Radiology</i> , 2016, 46, 1507-1519.	1.1	26
120	Automated Assessment of Left Ventricular Function and Mass Using Heart Deformation Analysis. <i>Academic Radiology</i> , 2016, 23, 321-325.	1.3	18
121	Age-Related Changes of Normal Cerebral and Cardiac Blood Flow in Children and Adults Aged 7 Months to 61 Years. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	105
122	Influence of beta-blocker therapy on aortic blood flow in patients with bicuspid aortic valve. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 621-628.	0.7	18
123	Four-dimensional flow magnetic resonance imaging-based characterization of aortic morphometry and haemodynamics: impact of age, aortic diameter, and valve morphology. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 877-884.	0.5	56
124	Complex Alterations of Intracranial 4-Dimensional Hemodynamics in Vein of Galen Aneurysmal Malformations During Staged Endovascular Embolization. <i>Operative Neurosurgery</i> , 2016, 12, 239-249.	0.4	4
125	Assessment of altered three-dimensional blood characteristics in aortic disease by velocity distribution analysis. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 817-825.	1.9	17
126	Steady-state MRA techniques with a blood pool contrast agent improve visualization of pulmonary venous anatomy and left atrial patency compared with time-resolved MRA pre- and postcatheter ablation in atrial fibrillation. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1305-1313.	1.9	4

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127	A methodology to detect abnormal relative wall shear stress on the full surface of the thoracic aorta using four-dimensional flow MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1216-1227.	1.9	67
128	Raghib Syndrome Presenting as a Cryptogenic Stroke: Role of Cardiac MRI in Accurate Diagnosis. <i>Case Reports in Cardiology</i> , 2015, 2015, 1-5.	0.1	3
129	Extranodal Rosai-Dorfman Disease Involving the Left Atrium: Cardiac MRI, CT, and PET Scan Findings. <i>Case Reports in Radiology</i> , 2015, 2015, 1-5.	0.5	8
130	MR Imaging of the Coronary Vasculature. <i>Radiologic Clinics of North America</i> , 2015, 53, 345-353.	0.9	7
131	Coronary Artery Disease and the Myocardial Ischemic Cascade: State-of-the-Art Computed Tomography and MR Imaging. <i>Radiologic Clinics of North America</i> , 2015, 53, xv-xvi.	0.9	1
132	Three-dimensional haemodynamics in patients with obstructive and non-obstructive hypertrophic cardiomyopathy assessed by cardiac magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 29-36.	0.5	22
133	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.	0.4	20
134	Thoracic aorta 3D hemodynamics in pediatric and young adult patients with bicuspid aortic valve. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 954-963.	1.9	39
135	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.	0.4	5
136	Impact of Ascending to Descending Aortic Bypass for Aortic Coarctation on 3-Dimensional Hemodynamics. <i>Circulation</i> , 2015, 131, 1036-1038.	1.6	2
137	Extracellular Volume Fraction Is More Closely Associated With Altered Regional Left Ventricular Velocities Than Left Ventricular Ejection Fraction in Nonischemic Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	13
138	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. <i>Journal of the American College of Cardiology</i> , 2015, 66, 892-900.	1.2	360
139	A non-invasive assessment of cardiopulmonary hemodynamics with MRI in pulmonary hypertension. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1224-1235.	1.0	15
140	Comparison of Hemodynamics After Aortic Root Replacement Using Valve-Sparing or Bioprosthetic Valved Conduit. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1556-1562.	0.7	37
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