

James C Carr

List of Publications by Year in descending order

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157
papers

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109321

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times ranked

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#	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.	3.4	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.	1.5	4
3	Evaluation of Pulmonary Hypertension Using <scp>4D</scp> Flow <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2022, 56, 234-245.	3.4	18
4	Abnormalities in Cardiac Structure and Function among Individuals with CKD: The COMBINE Trial. Kidney360, 2022, 3, 258-268.	2.1	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.	3.3	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.	3.4	10
7	Team Approach to Improving Radiologist Wellness: A Case-Based Methodology. Current Problems in Diagnostic Radiology, 2022, 51, 806-812.	1.4	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.	3.0	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.	3.4	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.	2.5	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.	0.7	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.	3.4	5
13	Editorial for: “Biventricular Reference Values by Body Surface Area, Age, and Gender in a Large Cohort of Wellâ€treated Betaâ€Thalassemia Major Patients Without Heart Damage Using a Multiparametric C<scp>MR</scp> Approach” Journal of Magnetic Resonance Imaging, 2021, 53, 71-72.	3.4	1
14	Aortic annular dimensions by non-contrast MRI using kâ€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.	1.5	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.	3.0	18
16	Cine <scp>MRI</scp> detects elevated left heart pressure in pulmonary hypertension. Journal of Magnetic Resonance Imaging, 2021, 54, 275-283.	3.4	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.	1.5	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.	3.0	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. Exploratory Research and Hypothesis in Medicine, 2021, 000, 000-000.	0.4	4
20	Cardiovascular magnetic resonance in women with cardiovascular disease: position statement from the Society for Cardiovascular Magnetic Resonance (SCMR). Journal of Cardiovascular Magnetic Resonance, 2021, 23, 52.	3.3	19
21	Aortic enlargement in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. International Journal of Cardiology, 2021, 331, 214-220.	1.7	10
22	Cine MRI characterizes HFpEF and HFrEF in post-capillary pulmonary hypertension. European Journal of Radiology, 2021, 139, 109679.	2.6	3
23	Updates in Magnetic Resonance Venous Imaging. Seminars in Interventional Radiology, 2021, 38, 202-208.	0.8	3
24	Identification of Cardiac Fibrosis in Young Adults With a Homozygous Frameshift Variant in <i>SERPINE1</i> . JAMA Cardiology, 2021, 6, 841.	6.1	8
25	Automated segmentation of biventricular contours in tissue phase mapping using deep learning. NMR in Biomedicine, 2021, 34, e4606.	2.8	2
26	Fibrosis in Hypertrophic Cardiomyopathy Patients With and Without Sarcomere Gene Mutations. Heart Lung and Circulation, 2021, 30, 1496-1501.	0.4	10
27	Direct mitral regurgitation quantification in hypertrophic cardiomyopathy using 4D flow CMR jet tracking: evaluation in comparison to conventional CMR. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 138.	3.3	6
28	Effect of Aortic Valve Disease on 3D Hemodynamics in Patients With Aortic Dilation and Trileaflet Aortic Valve Morphology. Journal of Magnetic Resonance Imaging, 2020, 51, 481-491.	3.4	11
29	Cardiac T ₂ mapping: Techniques and applications. Journal of Magnetic Resonance Imaging, 2020, 51, 1336-1356.	3.4	34
30	Parametric Hemodynamic 4D Flow MRI Maps for the Characterization of Chronic Thoracic Descending Aortic Dissection. Journal of Magnetic Resonance Imaging, 2020, 51, 1357-1368.	3.4	27
31	Diffuse right ventricular fibrosis in heart failure with preserved ejection fraction and pulmonary hypertension. ESC Heart Failure, 2020, 7, 254-264.	3.1	39
32	Semi-quantitative myocardial perfusion MRI in heart transplant recipients at rest: repeatability in healthy controls and assessment of cardiac allograft vasculopathy. Clinical Imaging, 2020, 61, 62-68.	1.5	5
33	Left ventricular extracellular volume expansion does not predict recurrence of atrial fibrillation following catheter ablation. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 159-166.	1.2	2
34	Cost-effectiveness of lung MRI in lung cancer screening. European Radiology, 2020, 30, 1738-1746.	4.5	23
35	Four-dimensional Flow Magnetic Resonance Imaging Quantification of Blood Flow in Bicuspid Aortic Valve. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 383-388.	1.5	7
36	Relation of Late Gadolinium Enhancement and Extracellular Volume Fraction to Ventricular Arrhythmias in Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2020, 131, 104-108.	1.6	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. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 61.	3.3	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. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 58.	3.3	13
39	Hypertrophic Cardiomyopathy Is Associated with Altered Left Ventricular 3D Blood Flow Dynamics. Radiology: Cardiothoracic Imaging, 2020, 2, e190038.	2.5	7
40	Left Ventricular Extracellular Volume Expansion Is Not Associated with Atrial Fibrillation or Atrial Fibrillation-mediated Left Ventricular Systolic Dysfunction. Radiology: Cardiothoracic Imaging, 2020, 2, e190096.	2.5	2
41	Highlights of the 2020 23rd Society for Cardiovascular Magnetic Resonance Scientific Sessions. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 75.	3.3	1
42	Kidney Functional Magnetic Resonance Imaging and Change in eGFR in Individuals with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 776-783.	4.5	27
43	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. Annals of Thoracic Surgery, 2020, 110, 733-740.	1.3	15
44	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic: From the North American Society Leadership. Canadian Journal of Cardiology, 2020, 36, 971-976.	1.7	13
45	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. Journal of the American College of Cardiology, 2020, 75, 3177-3183.	2.8	41
46	Cardiac MRI Myocardial Functional and Tissue Characterization Detects Early Cardiac Dysfunction in a Mouse Model of Chemotherapy-induced Cardiotoxicity. NMR in Biomedicine, 2020, 33, e4327.	2.8	10
47	Impact of age, sex, and global function on normal aortic hemodynamics. Magnetic Resonance in Medicine, 2020, 84, 2088-2102.	3.0	15
48	Effect of Aortic Valve Disease on 3D Hemodynamics in Patients With Aortic Dilation and Trileaflet Aortic Valve Morphology. Journal of Magnetic Resonance Imaging, 2020, 51, spcone.	3.4	1
49	Evaluating Biventricular Myocardial Velocity and Interventricular Dyssynchrony in Adult Patients During the First Year After Heart Transplantation. Journal of Magnetic Resonance Imaging, 2020, 52, 920-929.	3.4	1
50	Rapid dealiasing of undersampled, non-Cartesian cardiac perfusion images using U-net. NMR in Biomedicine, 2020, 33, e4239.	2.8	26
51	Society for Cardiovascular Magnetic Resonance (SCMR) guidance for the practice of cardiovascular magnetic resonance during the COVID-19 pandemic. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 26.	3.3	58
52	Prognostic Value of Myocardial Extracellular Volume Fraction and T2-mapping in Heart Transplant Patients. JACC: Cardiovascular Imaging, 2020, 13, 1521-1530.	5.3	29
53	5D Flow MRI: A Fully Self-gated, Free-running Framework for Cardiac and Respiratory Motion-resolved 3D Hemodynamics. Radiology: Cardiothoracic Imaging, 2020, 2, e200219.	2.5	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. Magnetic Resonance in Medicine, 2019, 81, 653-669.	3.0	42

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55	Cardiac Structure and Function MRI in Patients After Heart Transplantation. Journal of Magnetic Resonance Imaging, 2019, 49, 678-687.	3.4	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. Radiology: Cardiothoracic Imaging, 2019, 1, e180008.	2.5	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	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. Radiology, 2019, 293, 541-550.	7.3	21
59	Interval changes in aortic peak velocity and wall shear stress in patients with bicuspid aortic valve disease. International Journal of Cardiovascular Imaging, 2019, 35, 1925-1934.	1.5	19
60	Slow-Release Doxorubicin Pellets Generate Myocardial Cardiotoxic Changes in Mice Without Significant Systemic Toxicity. Cardiovascular Toxicology, 2019, 19, 482-484.	2.7	5
61	Multiparametric Cardiac Magnetic Resonance Imaging Can Detect Acute Cardiac Allograft Rejection After Heart Transplantation. JACC: Cardiovascular Imaging, 2019, 12, 1632-1641.	5.3	60
62	Aortic 4D flow MRI in 2 minutes using compressed sensing, respiratory controlled adaptive k-space reordering, and inline reconstruction. Magnetic Resonance in Medicine, 2019, 81, 3675-3690.	3.0	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. International Journal of Cardiovascular Imaging, 2019, 35, 1119-1132.	1.5	12
64	Donor and Recipient Characteristics in Heart Transplantation Are Associated with Altered Myocardial Tissue Structure and Cardiac Function. Radiology: Cardiothoracic Imaging, 2019, 1, e190009.	2.5	2
65	Accelerated, free-breathing, noncontrast, electrocardiograph-triggered, thoracic MR angiography with stack-of-stars k-space sampling and GRASP reconstruction. Magnetic Resonance in Medicine, 2019, 81, 524-532.	3.0	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. Magnetic Resonance in Medicine, 2019, 81, 2632-2643.	3.0	16
67	Comprehensive evaluation of macroscopic and microscopic myocardial fibrosis by cardiac MR: intra-individual comparison of gadobutrol versus gadoterate meglumine. European Radiology, 2019, 29, 4357-4367.	4.5	8
68	Wideband myocardial perfusion pulse sequence for imaging patients with a cardiac implantable electronic device. Magnetic Resonance in Medicine, 2019, 81, 1219-1228.	3.0	7
69	Accelerated real-time cardiac MRI using iterative sparse SENSE reconstruction: comparing performance in patients with sinus rhythm and atrial fibrillation. European Radiology, 2018, 28, 3088-3096.	4.5	17
70	Perioperative evaluation of regional aortic wall shear stress patterns in patients undergoing aortic valve and/or proximal thoracic aortic replacement. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2277-2286.e2.	0.8	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. Magnetic Resonance in Medicine, 2018, 79, 195-207.	3.0	42
72	Distribution of blood flow velocity in the normal aorta: Effect of age and gender. Journal of Magnetic Resonance Imaging, 2018, 47, 487-498.	3.4	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.	3.4	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.	3.4	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.	3.0	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.	3.4	24
77	Myocarditis in Duchenne Muscular Dystrophy After Changing Steroids. <i>JAMA Cardiology</i> , 2018, 3, 1006.	6.1	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.	0.8	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.	1.5	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.	0.8	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.	1.5	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.	2.5	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.	3.0	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.	2.4	18
85	Accelerated dual-echo 4D flow MRI for neurovascular applications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 102-114.	3.4	76
86	The consistency of myocardial strain derived from heart deformation analysis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1169-1177.	1.5	7
87	Importance of variants in cerebrovascular anatomy for potential retrograde embolization in cryptogenic stroke. <i>European Radiology</i> , 2017, 27, 4145-4152.	4.5	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.	2.2	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.	2.2	7
90	A Papillary Fibroelastoma Involving Aortic and Pulmonary Valves: Findings on Multimodality Imaging. <i>Annals of Thoracic Surgery</i> , 2017, 103, e73-e75.	1.3	8

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91	Superior Abdominal 4D Flow MRI Data Consistency with Adjusted Preprocessing Workflow and Noncontrast Acquisitions. Academic Radiology, 2017, 24, 350-358.	2.5	5
92	QISS MR Angiography. JACC: Cardiovascular Imaging, 2017, 10, 1125-1127.	5.3	6
93	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4â€Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. Journal of the American Heart Association, 2017, 6, .	3.7	126
94	Cardiovascular MRI in Thoracic Aortopathy: A Focused Review of Recent Literature Updates. Current Radiology Reports, 2017, 5, 1.	1.4	1
95	Heart deformation analysis: the distribution of regional myocardial motion patterns at left ventricle. International Journal of Cardiovascular Imaging, 2017, 33, 351-359.	1.5	7
96	Plaque Composition in the Proximal Superficial Femoral Artery and PeripheralÂArtery Disease Events. JACC: Cardiovascular Imaging, 2017, 10, 1003-1012.	5.3	40
97	Volumetric quantification of absolute local normalized helicity in patients with bicuspid aortic valve and aortic dilatation. Magnetic Resonance in Medicine, 2017, 78, 689-701.	3.0	45
98	Reproducibility of cine displacement encoding with stimulated echoes (DENSE) in human subjects. Magnetic Resonance Imaging, 2017, 35, 148-153.	1.8	24
99	Physicians' professional identities: a roadmap to understanding â€œvalueâ€ in cardiovascular imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 52.	3.3	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. Journal of Magnetic Resonance Imaging, 2016, 43, 236-248.	3.4	81
101	4D flow MRI and T_1 -Mapping: Assessment of altered cardiac hemodynamics and extracellular volume fraction in hypertrophic cardiomyopathy. Journal of Magnetic Resonance Imaging, 2016, 43, 107-114.	3.4	36
102	Assessment of left and right atrial 3D hemodynamics in patients with atrial fibrillation: a 4D flow MRI study. International Journal of Cardiovascular Imaging, 2016, 32, 807-815.	1.5	33
103	The Safety of Cardiac and Thoracic Magnetic Resonance Imaging in Patients with Cardiac Implantable Electronic Devices. Academic Radiology, 2016, 23, 1498-1505.	2.5	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. European Journal of Radiology, 2016, 85, 1811-1817.	2.6	15
105	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. European Heart Journal Cardiovascular Imaging, 2016, 17, 1239-1247.	1.2	42
106	Left Atrial and Left Atrial Appendage 4D Blood Flow Dynamics in Atrial Fibrillation. Circulation: Cardiovascular Imaging, 2016, 9, e004984.	2.6	91
107	Improved Semiautomated 4D Flow MRI Analysis in the Aorta in Patients With Congenital Aortic Valve Anomalies Versus Tricuspid Aortic Valves. Journal of Computer Assisted Tomography, 2016, 40, 102-108.	0.9	30
108	Comparison of 4D flow and 2D velocity-encoded phase contrast MRI sequences for the evaluation of aortic hemodynamics. International Journal of Cardiovascular Imaging, 2016, 32, 1529-1541.	1.5	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. NMR in Biomedicine, 2016, 29, 1454-1463.	2.8	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. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 59.	3.3	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. Journal of Magnetic Resonance Imaging, 2016, 43, 1239-1249.	3.4	66
112	Reduction of aberrant aortic haemodynamics following aortic root replacement with a mechanical valved conduit. Interactive Cardiovascular and Thoracic Surgery, 2016, 23, 416-423.	1.1	18
113	Highly accelerated cardiac MRI using iterative SENSE reconstruction: initial clinical experience. International Journal of Cardiovascular Imaging, 2016, 32, 955-963.	1.5	14
114	Right ventricular assessment at cardiac MRI: initial clinical experience utilizing an IS-SENSE reconstruction. International Journal of Cardiovascular Imaging, 2016, 32, 1081-1091.	1.5	9
115	Analyzing myocardial torsion based on tissue phase mapping cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 15.	3.3	12
116	Three-dimensional left atrial blood flow characteristics in patients with atrial fibrillation assessed by 4D flow CMR. European Heart Journal Cardiovascular Imaging, 2016, 17, 1259-1268.	1.2	46
117	Heart deformation analysis: measuring regional myocardial velocity with MR imaging. International Journal of Cardiovascular Imaging, 2016, 32, 1103-1111.	1.5	14
118	Reproducibility and observer variability of tissue phase mapping for the quantification of regional myocardial velocities. International Journal of Cardiovascular Imaging, 2016, 32, 1227-1234.	1.5	14
119	Evaluation of blood flow distribution asymmetry and vascular geometry in patients with Fontan circulation using 4-D flow MRI. Pediatric Radiology, 2016, 46, 1507-1519.	2.0	26
120	Automated Assessment of Left Ventricular Function and Mass Using Heart Deformation Analysis. Academic Radiology, 2016, 23, 321-325.	2.5	18
121	Age-Related Changes of Normal Cerebral and Cardiac Blood Flow in Children and Adults Aged 7 Months to 61 Years. Journal of the American Heart Association, 2016, 5, .	3.7	105
122	Influence of beta-blocker therapy on aortic blood flow in patients with bicuspid aortic valve. International Journal of Cardiovascular Imaging, 2016, 32, 621-628.	1.5	18
123	Four-dimensional flow magnetic resonance imaging-based characterization of aortic morphometry and haemodynamics: impact of age, aortic diameter, and valve morphology. European Heart Journal Cardiovascular Imaging, 2016, 17, 877-884.	1.2	56
124	Complex Alterations of Intracranial 4-Dimensional Hemodynamics in Vein of Galen Aneurysmal Malformations During Staged Endovascular Embolization. Operative Neurosurgery, 2016, 12, 239-249.	0.8	4
125	Assessment of altered three-dimensional blood characteristics in aortic disease by velocity distribution analysis. Magnetic Resonance in Medicine, 2015, 74, 817-825.	3.0	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. Journal of Magnetic Resonance Imaging, 2015, 42, 1305-1313.	3.4	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. Magnetic Resonance in Medicine, 2015, 73, 1216-1227.	3.0	67
128	Raghib Syndrome Presenting as a Cryptogenic Stroke: Role of Cardiac MRI in Accurate Diagnosis. Case Reports in Cardiology, 2015, 2015, 1-5.	0.2	3
129	Extranodal Rosai-Dorfman Disease Involving the Left Atrium: Cardiac MRI, CT, and PET Scan Findings. Case Reports in Radiology, 2015, 2015, 1-5.	0.3	8
130	MR Imaging of the Coronary Vasculature. Radiologic Clinics of North America, 2015, 53, 345-353.	1.8	7
131	Coronary Artery Disease and the Myocardial Ischemic Cascade: State-of-the-Art Computed Tomography and MR Imaging. Radiologic Clinics of North America, 2015, 53, xv-xvi.	1.8	1
132	Three-dimensional haemodynamics in patients with obstructive and non-obstructive hypertrophic cardiomyopathy assessed by cardiac magnetic resonance. European Heart Journal Cardiovascular Imaging, 2015, 16, 29-36.	1.2	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. Atherosclerosis, 2015, 239, 412-418.	0.8	20
134	Thoracic aorta 3D hemodynamics in pediatric and young adult patients with bicuspid aortic valve. Journal of Magnetic Resonance Imaging, 2015, 42, 954-963.	3.4	39
135	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). Current Cardiovascular Imaging Reports, 2015, 8, 1.	0.6	5
136	Impact of Ascending to Descending Aortic Bypass for Aortic Coarctation on 3-Dimensional Hemodynamics. Circulation, 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. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	13
138	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. Journal of the American College of Cardiology, 2015, 66, 892-900.	2.8	360
139	A non-invasive assessment of cardiopulmonary hemodynamics with MRI in pulmonary hypertension. Magnetic Resonance Imaging, 2015, 33, 1224-1235.	1.8	15
140	Comparison of Hemodynamics After Aortic Root Replacement Using Valve-Sparing or Bioprosthetic Valved Conduit. Annals of Thoracic Surgery, 2015, 100, 1556-1562.	1.3	37
141	Improved respiratory navigator gating for thoracic 4D flow MRI. Magnetic Resonance Imaging, 2015, 33, 992-999.	1.8	16
142	Characterization of Abnormal Wall Shear Stress Using 4D Flow MRI in Human Bicuspid Aortopathy. Annals of Biomedical Engineering, 2015, 43, 1385-1397.	2.5	82
143	Response to Letter Regarding Article, "Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy". Circulation, 2014, 130, e171.	1.6	6
144	Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy. Circulation, 2014, 129, 673-682.	1.6	350

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145	Quantitative imaging biomarkers for the evaluation of cardiovascular complications in type 2 diabetes mellitus. Journal of Diabetes and Its Complications, 2014, 28, 234-242.	2.3	7
146	Leakage and water exchange characterization of gadofosveset in the myocardium. Magnetic Resonance Imaging, 2014, 32, 224-235.	1.8	6
147	The detection of coronary stiffness in cardiac allografts using MR imaging. European Journal of Radiology, 2014, 83, 1402-1407.	2.6	3
148	Preoperative Evaluation of the Entire Hepatic Vasculature in Living Liver Donors with Use of Contrast-enhanced MR Angiography and True Fast Imaging with Steady-state Precession. Journal of Vascular and Interventional Radiology, 2003, 14, 441-449.	0.5	55
149	High-Resolution Breath-Hold Contrast-Enhanced MR Angiography of the Entire Carotid Circulation. American Journal of Roentgenology, 2002, 178, 543-549.	2.2	38
150	Subacute myocardial infarction: assessment by STIR T2-weighted MR imaging in comparison to regional function. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2001, 13, 8-14.	2.0	22
151	Coronary artery imaging using contrast-enhanced 3D segmented EPI. Journal of Magnetic Resonance Imaging, 2001, 13, 676-681.	3.4	28
152	Three-dimensional MR pulmonary perfusion imaging and angiography with an injection of a new blood pool contrast agent B-22956/1. Journal of Magnetic Resonance Imaging, 2001, 14, 425-432.	3.4	23
153	Sonography of the Patellar Tendon and Adjacent Structures in Pediatric and Adult Patients. American Journal of Roentgenology, 2001, 176, 1535-1539.	2.2	62
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