

James C Carr

List of Publications by Year in descending order

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157
papers

4,444
citations

109321

35
h-index

133252

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all docs

159
docs citations

159
times ranked

4948
citing authors

#	ARTICLE	IF	CITATIONS
1	Cine MR Angiography of the Heart with Segmented True Fast Imaging with Steady-State Precession. <i>Radiology</i> , 2001, 219, 828-834.	7.3	433
2	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. <i>Journal of the American College of Cardiology</i> , 2015, 66, 892-900.	2.8	360
3	Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy. <i>Circulation</i> , 2014, 129, 673-682.	1.6	350
4	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4D Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	126
5	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, .	3.7	105
6	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
7	Left Atrial and Left Atrial Appendage 4D Blood Flow Dynamics in Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e004984.	2.6	91
8	Characterization of Abnormal Wall Shear Stress Using 4D Flow MRI in Human Bicuspid Aortopathy. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1385-1397.	2.5	82
9	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.	3.4	81
10	Accelerated dual-contrast 4D flow MRI for neurovascular applications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 102-114.	3.4	76
11	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.	3.0	70
12	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.	3.0	67
13	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.	3.4	66
14	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.	3.3	63
15	Sonography of the Patellar Tendon and Adjacent Structures in Pediatric and Adult Patients. <i>American Journal of Roentgenology</i> , 2001, 176, 1535-1539.	2.2	62
16	Multiparametric Cardiac Magnetic Resonance Imaging Can Detect Acute Cardiac Allograft Rejection After Heart Transplantation. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1632-1641.	5.3	60
17	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.	3.3	58
18	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.	1.2	56

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19	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. <i>Journal of Vascular and Interventional Radiology</i> , 2003, 14, 441-449.	0.5	55
20	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.	3.4	52
21	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.	1.5	51
22	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.	1.2	46
23	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.	3.0	45
24	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1239-1247.	1.2	42
25	Accelerated aortic 4D flow MRI in under two minutes: Feasibility and impact of resolution, space sampling patterns, and respiratory navigator gating on hemodynamic measurements. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 195-207.	3.0	42
26	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.	3.0	42
27	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. <i>Journal of the American College of Cardiology</i> , 2020, 75, 3177-3183.	2.8	41
28	Plaque Composition in the Proximal Superficial Femoral Artery and Peripheral Artery Disease Events. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1003-1012.	5.3	40
29	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.	3.4	39
30	Validation of highly accelerated real-time cardiac cine MRI with radial 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
31	Diffuse right ventricular fibrosis in heart failure with preserved ejection fraction and pulmonary hypertension. <i>ESC Heart Failure</i> , 2020, 7, 254-264.	3.1	39
32	High-Resolution Breath-Hold Contrast-Enhanced MR Angiography of the Entire Carotid Circulation. <i>American Journal of Roentgenology</i> , 2002, 178, 543-549.	2.2	38
33	Comparison of Hemodynamics After Aortic Root Replacement Using Valve-Sparing or Bioprosthetic Valved Conduit. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1556-1562.	1.3	37
34	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.	3.4	36
35	The Safety of Cardiac and Thoracic Magnetic Resonance Imaging in Patients with Cardiac Implantable Electronic Devices. <i>Academic Radiology</i> , 2016, 23, 1498-1505.	2.5	35
36	Cardiac T ₁ mapping: Techniques and applications. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1336-1356.	3.4	34

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37	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.	1.5	33
38	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.	0.8	33
39	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.	0.9	30
40	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.	2.5	30
41	Prognostic Value of Myocardial Extracellular Volume Fraction and T2-mapping in Heart Transplant Patients. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1521-1530.	5.3	29
42	Coronary artery imaging using contrast-enhanced 3D segmented EPI. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 676-681.	3.4	28
43	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.	3.4	27
44	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.	4.5	27
45	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.	2.0	26
46	Rapid dealiasing of undersampled, non-Cartesian cardiac perfusion images using U-net. <i>NMR in Biomedicine</i> , 2020, 33, e4239.	2.8	26
47	Reproducibility of cine displacement encoding with stimulated echoes (DENSE) in human subjects. <i>Magnetic Resonance Imaging</i> , 2017, 35, 148-153.	1.8	24
48	4D flow MRI, cardiac function, and T1-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
49	Three-dimensional MR pulmonary perfusion imaging and angiography with an injection of a new blood pool contrast agent B-22956/1. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 425-432.	3.4	23
50	Cost-effectiveness of lung MRI in lung cancer screening. <i>European Radiology</i> , 2020, 30, 1738-1746.	4.5	23
51	Subacute myocardial infarction: assessment by STIR T2-weighted MR imaging in comparison to regional function. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2001, 13, 8-14.	2.0	22
52	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.	1.2	22
53	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , 2019, 293, 541-550.	7.3	21
54	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

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55	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.	3.3	19
56	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.	1.5	19
57	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.	3.3	19
58	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.	1.1	18
59	Automated Assessment of Left Ventricular Function and Mass Using Heart Deformation Analysis. <i>Academic Radiology</i> , 2016, 23, 321-325.	2.5	18
60	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.	1.5	18
61	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
62	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
63	Highly accelerated aortic 4D flow MRI using compressed sensing: Performance at different acceleration factors in patients with aortic disease. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2174-2187.	3.0	18
64	Evaluation of Pulmonary Hypertension Using 4D Flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 234-245.	3.4	18
65	Assessment of altered three-dimensional blood characteristics in aortic disease by velocity distribution analysis. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 817-825.	3.0	17
66	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.	4.5	17
67	Improved respiratory navigator gating for thoracic 4D flow MRI. <i>Magnetic Resonance Imaging</i> , 2015, 33, 992-999.	1.8	16
68	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
69	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.	3.0	16
70	A non-invasive assessment of cardiopulmonary hemodynamics with MRI in pulmonary hypertension. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1224-1235.	1.8	15
71	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.	2.6	15
72	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic. <i>Annals of Thoracic Surgery</i> , 2020, 110, 733-740.	1.3	15

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73	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2088-2102.	3.0	15
74	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 1.	3.3	15
75	Highly accelerated cardiac MRI using iterative SENSE reconstruction: initial clinical experience. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 955-963.	1.5	14
76	Heart deformation analysis: measuring regional myocardial velocity with MR imaging. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1103-1111.	1.5	14
77	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.	1.5	14
78	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
79	Cardiac Structure-Function MRI in Patients After Heart Transplantation. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 678-687.	3.4	14
80	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, .	2.6	13
81	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
82	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.	3.3	13
83	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.	1.7	13
84	Analyzing myocardial torsion based on tissue phase mapping cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 15.	3.3	12
85	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.	7.3	12
86	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.	1.5	12
87	Accelerated, free-breathing, noncontrast, electrocardiograph-triggered, thoracic MR angiography with stack-of-stars k-space sampling and GRASP reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 524-532.	3.0	12
88	Physicians' professional identities: a roadmap to understanding "value" in cardiovascular imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 52.	3.3	11
89	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, 481-491.	3.4	11
90	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.	2.5	10

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91	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.	2.8	10
92	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.	1.7	10
93	Fibrosis in Hypertrophic Cardiomyopathy Patients With and Without Sarcomere Gene Mutations. <i>Heart Lung and Circulation</i> , 2021, 30, 1496-1501.	0.4	10
94	Aortic Pulse Wave Velocity Evaluated by 4D Flow MRI Across the Adult Lifespan. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 464-473.	3.4	10
95	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.	1.5	9
96	Importance of variants in cerebrovascular anatomy for potential retrograde embolization in cryptogenic stroke. <i>European Radiology</i> , 2017, 27, 4145-4152.	4.5	9
97	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.	0.3	8
98	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
99	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
100	Myocarditis in Duchenne Muscular Dystrophy After Changing Steroids. <i>JAMA Cardiology</i> , 2018, 3, 1006.	6.1	8
101	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.	4.5	8
102	Identification of Cardiac Fibrosis in Young Adults With a Homozygous Frameshift Variant in <i>SERPINE1</i> . <i>JAMA Cardiology</i> , 2021, 6, 841.	6.1	8
103	Quantitative imaging biomarkers for the evaluation of cardiovascular complications in type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 234-242.	2.3	7
104	MR Imaging of the Coronary Vasculature. <i>Radiologic Clinics of North America</i> , 2015, 53, 345-353.	1.8	7
105	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.	2.8	7
106	The consistency of myocardial strain derived from heart deformation analysis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1169-1177.	1.5	7
107	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
108	Heart deformation analysis: the distribution of regional myocardial motion patterns at left ventricle. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 351-359.	1.5	7

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109	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
110	Wideband myocardial perfusion pulse sequence for imaging patients with a cardiac implantable electronic device. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1219-1228.	3.0	7
111	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.	1.5	7
112	Hypertrophic Cardiomyopathy Is Associated with Altered Left Ventricular 3D Blood Flow Dynamics. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190038.	2.5	7
113	Response to Letter Regarding Article, "Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy." <i>Circulation</i> , 2014, 130, e171.	1.6	6
114	Leakage and water exchange characterization of gadofosveset in the myocardium. <i>Magnetic Resonance Imaging</i> , 2014, 32, 224-235.	1.8	6
115	QISS MR Angiography. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1125-1127.	5.3	6
116	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.	3.3	6
117	Role of Ergonomic Improvements in Decreasing Repetitive Stress Injuries and Promoting Well-Being in a Radiology Department. <i>Academic Radiology</i> , 2022, 29, 1387-1393.	2.5	6
118	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
119	Superior Abdominal 4D Flow MRI Data Consistency with Adjusted Preprocessing Workflow and Noncontrast Acquisitions. <i>Academic Radiology</i> , 2017, 24, 350-358.	2.5	5
120	Slow-Release Doxorubicin Pellets Generate Myocardial Cardiotoxic Changes in Mice Without Significant Systemic Toxicity. <i>Cardiovascular Toxicology</i> , 2019, 19, 482-484.	2.7	5
121	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.	1.5	5
122	Cardiac MRI Reveals Late Diastolic Changes in Left Ventricular Relaxation Patterns During Healthy Aging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 766-774.	3.4	5
123	Abnormalities in Cardiac Structure and Function among Individuals with CKD: The COMBINE Trial. <i>Kidney360</i> , 2022, 3, 258-268.	2.1	5
124	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.	3.4	4
125	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
126	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.	1.6	4

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127	Cine <scp>MRI</scp> detects elevated left heart pressure in pulmonary hypertension. Journal of Magnetic Resonance Imaging, 2021, 54, 275-283.	3.4	4
128	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
129	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
130	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
131	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
132	The detection of coronary stiffness in cardiac allografts using MR imaging. European Journal of Radiology, 2014, 83, 1402-1407.	2.6	3
133	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
134	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
135	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
136	Cine MRI characterizes HFpEF and HFrEF in post-capillary pulmonary hypertension. European Journal of Radiology, 2021, 139, 109679.	2.6	3
137	Updates in Magnetic Resonance Venous Imaging. Seminars in Interventional Radiology, 2021, 38, 202-208.	0.8	3
138	Team Approach to Improving Radiologist Wellness: A Case-Based Methodology. Current Problems in Diagnostic Radiology, 2022, 51, 806-812.	1.4	3
139	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
140	Impact of Ascending to Descending Aortic Bypass for Aortic Coarctation on 3-Dimensional Hemodynamics. Circulation, 2015, 131, 1036-1038.	1.6	2
141	Reinforcing the Importance and Feasibility of Implementing a Low-dose Protocol for CT-guided Biopsies. Academic Radiology, 2018, 25, 1146-1151.	2.5	2
142	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
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