

Oliver E Wieben

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

6,563
citations

70961

41
h-index

74018

75
g-index

186
all docs

186
docs citations

186
times ranked

6609
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive assessment of mesenteric hemodynamics in patients with suspected chronic mesenteric ischemia using 4D flow MRI. <i>Abdominal Radiology</i> , 2022, 47, 1684-1698.	1.0	12
2	Automatic measurement plane placement for 4D Flow MRI of the great vessels using deep learning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 199-210.	1.7	3
3	Improved CT Surveillance of Thoracic Aortic Aneurysm Growth. <i>Radiology</i> , 2022, 302, 226-227.	3.6	0
4	Abdominal applications of quantitative 4D flow MRI. <i>Abdominal Radiology</i> , 2022, 47, 3229-3250.	1.0	10
5	Wall Shear Stress Predicts Aortic Dilatation in Patients With Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 46-56.	2.3	44
6	Clinical Applications of 4D Flow MRI in the Portal Venous System. <i>Magnetic Resonance in Medical Sciences</i> , 2022, 21, 340-353.	1.1	11
7	Development of a PET/MRI exercise stress test for determining cardiac glucose dependence in pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2022, 12, e12025.	0.8	1
8	The Impact of Aging on the Association Between Aortic Stiffness and Cerebral Pulsatility Index. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 821151.	1.1	14
9	Fully automated intracardiac 4D flow MRI post-processing using deep learning for biventricular segmentation. <i>European Radiology</i> , 2022, 32, 5669-5678.	2.3	8
10	False lumen rotational flow and aortic stiffness are associated with aortic growth rate in patients with chronic aortic dissection of the descending aorta: a 4D flow cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 20.	1.6	16
11	MR Angiography Series: Abdominal and Pelvic MR Angiography. <i>Radiographics</i> , 2022, , 210224.	1.4	2
12	Virtual injections using 4D flow MRI with displacement corrections and constrained probabilistic streamlines. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2495-2511.	1.9	2
13	Characterization of mesenteric and portal hemodynamics using 4D flow MRI: the effects of meals and diurnal variation. <i>Abdominal Radiology</i> , 2022, 47, 2106-2114.	1.0	6
14	Multimodality Deep Phenotyping Methods to Assess Mechanisms of Poor Right Ventricularâ€Pulmonary Artery Coupling. <i>Function</i> , 2022, 3, .	1.1	4
15	The Impact of Aging on the Association between Aortic Stiffness and Cerebral Pulsatility Index. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
16	Effect of Cyclooxygenase Inhibitor on Hypoxia Stimulated Cerebral Blood Flow Using Arterial Spin Labeling Magnetic Resonance. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
17	Diffuse Myocardial Fibrosis at Cardiac MRI in Young Adults Born Prematurely: A Cross-sectional Cohort Study. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, .	0.9	1
18	Vertebral artery hypoplasia influences age-related differences in blood flow of the large intracranial arteries. <i>Ageing Brain</i> , 2021, 1, 100019.	0.7	2

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19	A phantom study comparing radial trajectories for accelerated cardiac 4D flow MRI against a particle imaging velocimetry reference. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 363-371.	1.9	5
20	<sc>Pseudoâ€Enhancement</sc> in Intracranial Aneurysms on <sc>Blackâ€Blood MRI</sc>: Effects of Flow Rate, Spatial Resolution, and Additional Flow Suppression. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 888-901.	1.9	16
21	Exaggerated Cardiac Contractile Response to Hypoxia in Adults Born Preterm. <i>Journal of Clinical Medicine</i> , 2021, 10, 1166.	1.0	11
22	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. <i>Journal of Clinical Medicine</i> , 2021, 10, 1301.	1.0	2
23	Leaflet fusion length is associated with aortic dilation and flow alterations in non-dysfunctional bicuspid aortic valve. <i>European Radiology</i> , 2021, 31, 9262-9272.	2.3	4
24	Magnitude of Change in Middle Cerebral Artery Crossâ€Sectional Area is Associated with Cardiorespiratory Fitness. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
25	Sildenafil administration improves right ventricular function on 4D flow MRI in young adults born premature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2295-H2304.	1.5	5
26	Altered Right Ventricular Filling at Four-dimensional Flow MRI in Young Adults Born Prematurely. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e200618.	0.9	1
27	Aortic flow dynamics and stiffness in Loewsâ€Dietz syndrome patients: a comparison with healthy volunteers and Marfan syndrome patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, , .	0.5	9
28	Nitric oxide synthase inhibition in healthy adults reduces regional and total cerebral macrovascular blood flow and microvascular perfusion. <i>Journal of Physiology</i> , 2021, 599, 4973-4989.	1.3	11
29	Decreased ventricular size and mass mediate the reduced exercise capacity in adolescents and adults born premature. <i>Early Human Development</i> , 2021, 160, 105426.	0.8	3
30	Coronary Endothelial Wall Shear Stress: Another Piece of the Puzzle?. <i>Radiology</i> , 2021, 300, 557-558.	3.6	0
31	Daikenchuto increases blood flow in the superior mesenteric artery in humans: A comparison study between four-dimensional phase-contrast vastly undersampled isotropic projection reconstruction magnetic resonance imaging and Doppler ultrasound. <i>PLoS ONE</i> , 2021, 16, e0245878.	1.1	5
32	Exercise-induced irregular right heart flow dynamics in adolescents and young adults born preterm. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 116.	1.6	5
33	Impact of ferumoxytol magnetic resonance imaging on the rhesus macaque maternalâ€fetal interfaceâ€. <i>Biology of Reproduction</i> , 2020, 102, 434-444.	1.2	5
34	Evaluation of a motionâ€robust 2D chemical shiftâ€encoded technique for R2* and field map quantification in ferumoxytolâ€enhanced MRI of the placenta in pregnant rhesus macaques. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 580-592.	1.9	8
35	Quantitative ferumoxytol-enhanced MRI in pregnancy: A feasibility study in the nonhuman primate. <i>Magnetic Resonance Imaging</i> , 2020, 65, 100-108.	1.0	13
36	Low and Oscillatory Wall Shear Stress Is Not Related to Aortic Dilation in Patients With Bicuspid Aortic Valve. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, e10-e20.	1.1	16

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37	Differential contribution of cyclooxygenase to basal cerebral blood flow and hypoxic cerebral vasodilation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R468-R479.	0.9	11
38	Association of cerebral white matter disease with cardiovascular risk factors, amyloid accumulation, and cognition. <i>Alzheimer's and Dementia</i> , 2020, 16, e046518.	0.4	0
39	Feasibility of Cardiovascular Four-dimensional Flow MRI during Exercise in Healthy Participants. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190033.	0.9	9
40	Right Pulmonary Vein Atresia in a Mildly Symptomatic Boy: Comprehensive Analysis of Flow Dynamics Using Non-contrast-enhanced 4D Flow MR Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2020, 19, 287-289.	1.1	1
41	Optimal Plane Selection for Measuring Post-prandial Blood Flow Increase within the Superior Mesenteric Artery: Analysis Using 4D Flow and Computational Fluid Dynamics. <i>Magnetic Resonance in Medical Sciences</i> , 2020, 19, 366-374.	1.1	14
42	Association Between Preterm Birth and Arrested Cardiac Growth in Adolescents and Young Adults. <i>JAMA Cardiology</i> , 2020, 5, 910.	3.0	56
43	Flow Quantification with MRI. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2020, 1, 931-951.	0.0	0
44	Cardiorespiratory Fitness Associates with Cerebral Vessel Pulsatility in a Cohort Enriched with Risk for Alzheimer's Disease. <i>Brain Plasticity</i> , 2020, 5, 175-184.	1.9	3
45	Influence of Aortic Dilation on the Regional Aortic Stiffness of Bicuspid Aortic Valve Assessed by 4-Dimensional Flow Cardiac Magnetic Resonance. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1020-1029.	2.3	77
46	Uteroplacental and Fetal 4D Flow MRI in the Pregnant Rhesus Macaque. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 534-545.	1.9	22
47	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
48	Age-Related Reductions in Cerebrovascular Reactivity Using 4D Flow MRI. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 281.	1.7	46
49	Association of Cardiovascular and Alzheimer's Disease Risk Factors with Intracranial Arterial Blood Flow in Whites and African Americans. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 919-929.	1.2	14
50	Partial Aortic Valve Leaflet Fusion Is Related to Deleterious Alteration of Proximal Aorta Hemodynamics. <i>Circulation</i> , 2019, 139, 2707-2709.	1.6	24
51	Increased rotational flow in the proximal aortic arch is associated with its dilation in bicuspid aortic valve disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1407-1417.	0.5	46
52	Measurement of microvascular cerebral blood volume changes over the cardiac cycle with ferumoxytol-enhanced T ₂ * MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3588-3598.	1.9	5
53	ICP&Pm: LOWER ARTERIAL BLOOD FLOW AND HIGHER PULSATILITY INDEX ARE ASSOCIATED WITH NEURONAL INJURY. <i>Alzheimer's and Dementia</i> , 2019, 15, P93.	0.4	0
54	Reduced regional flow in the left ventricle after anterior acute myocardial infarction: a case control study using 4D flow MRI. <i>BMC Medical Imaging</i> , 2019, 19, 101.	1.4	12

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55	Perfusion of the placenta assessed using arterial spin labeling and ferumoxytol dynamic contrast enhanced magnetic resonance imaging in the rhesus macaque. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1964-1978.	1.9	23
56	Four-dimensional Flow MRI as a Marker for Risk Stratification of Gastroesophageal Varices in Patients with Liver Cirrhosis. <i>Radiology</i> , 2019, 290, 101-107.	3.6	38
57	Influence of Vertebral Artery Hypoplasia on Cerebral Blood Flow Regulation. <i>FASEB Journal</i> , 2019, 33, 528.13.	0.2	0
58	Pressure Mapping and Hemodynamic Assessment of Intracranial Dural Sinuses and Dural Arteriovenous Fistulas with 4D Flow MRI. <i>American Journal of Neuroradiology</i> , 2018, 39, 485-487.	1.2	20
59	Aortic flow patterns and wall shear stress maps by 4D-flow cardiovascular magnetic resonance in the assessment of aortic dilatation in bicuspid aortic valve disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 28.	1.6	160
60	Comparison of ferumoxytol-based cerebral blood volume estimates using quantitative R_2^* and relaxometry. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3072-3081.	1.9	7
61	Non contrast, Pseudo-Continuous Arterial Spin Labeling and Accelerated 3-Dimensional Radial Acquisition Intracranial 3-Dimensional Magnetic Resonance Angiography for the Detection and Classification of Intracranial Arteriovenous Shunts. <i>Investigative Radiology</i> , 2018, 53, 80-86.	3.5	8
62	P1456: ASSOCIATION OF CARDIOVASCULAR RISK FACTORS WITH MICRO- AND MACROVASCULAR CEREBRAL FUNCTION IN WHITES AND AFRICAN AMERICANS. <i>Alzheimer's and Dementia</i> , 2018, 14, P491.	0.4	0
63	MRI assessment of aortic flow in patients with pulmonary arterial hypertension in response to exercise. <i>BMC Medical Imaging</i> , 2018, 18, 55.	1.4	5
64	Adults born preterm exhibit biventricular hypercontractility and inefficiency. <i>FASEB Journal</i> , 2018, 32, 901.4.	0.2	0
65	Four-dimensional phase-contrast vastly undersampled isotropic projection reconstruction (4D PC-VIPR) MR evaluation of the renal arteries in transplant recipients: Preliminary results. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 595-603.	1.9	15
66	Macrovascular and microvascular cerebral blood flow in adults at risk for Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 7, 48-55.	1.2	31
67	Comparison of radial 4D Flow-MRI with perivascular ultrasound to quantify blood flow in the abdomen and introduction of a porcine model of pre-hepatic portal hypertension. <i>European Radiology</i> , 2017, 27, 5316-5324.	2.3	21
68	Insulin resistance is associated with lower arterial blood flow and reduced cortical perfusion in cognitively asymptomatic middle-aged adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2249-2261.	2.4	46
69	Four-dimensional flow magnetic resonance imaging and ultrasound assessment of cerebrospinal venous flow in multiple sclerosis patients and controls. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1483-1493.	2.4	8
70	Changes in intracranial venous blood flow and pulsatility in Alzheimer's disease: A 4D flow MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2149-2158.	2.4	64
71	Regional hypoxic cerebral vasodilation facilitated by diameter changes primarily in anterior versus posterior circulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2025-2034.	2.4	28
72	[P331]: 4D FLOW IN THE CEREBRAL ARTERIES PROVIDES UNIQUE INFORMATION ABOUT CEREBROVASCULAR HEALTH BEYOND ISCHEMIC LESION BURDEN AND SIGNIFICANTLY PREDICTS COGNITIVE OUTCOMES. <i>Alzheimer's and Dementia</i> , 2017, 13, P1078.	0.4	0

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73	[Ca ²⁺]: 4D-FLOW IN THE CEREBRAL ARTERIES PROVIDES UNIQUE INFORMATION ABOUT CEREBROVASCULAR HEALTH BEYOND ISCHEMIC LESION BURDEN AND SIGNIFICANTLY PREDICTS COGNITIVE OUTCOMES. <i>Alzheimer's and Dementia</i> , 2017, 13, P117.	0.4	0
74	Highly efficient maternal-fetal Zika virus transmission in pregnant rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006378.	2.1	201
75	Intracranial Arterial 4D Flow in Individuals with Mild Cognitive Impairment is Associated with Cognitive Performance and Amyloid Positivity. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 243-252.	1.2	15
76	Regional Patterns of Pulsatility Index and Wall Shear Stress Across Cerebral Circulation of Adolescents with High Insulin Resistance. <i>FASEB Journal</i> , 2017, 31, 836.10.	0.2	0
77	Accuracy of model-based tracking of knee kinematics and cartilage contact measured by dynamic volumetric MRI. <i>Medical Engineering and Physics</i> , 2016, 38, 1131-1135.	0.8	15
78	Longitudinal Monitoring of Hepatic Blood Flow before and after TIPS by Using 4D-Flow MR Imaging. <i>Radiology</i> , 2016, 281, 574-582.	3.6	41
79	Emerging Applications of Abdominal 4D Flow MRI. <i>American Journal of Roentgenology</i> , 2016, 207, 58-66.	1.0	39
80	Accelerating 4D flow MRI by exploiting vector field divergence regularization. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 115-125.	1.9	24
81	Time-of-Arrival Parametric Maps and Virtual Bolus Images Derived From Contrast-Enhanced Time-Resolved Radial Magnetic Resonance Angiography Improve the Display of Brain Arteriovenous Malformation Vascular Anatomy. <i>Investigative Radiology</i> , 2016, 51, 706-713.	3.5	6
82	Accelerated Time-Resolved Contrast-Enhanced Magnetic Resonance Angiography of Dural Arteriovenous Fistulas Using Highly Constrained Reconstruction of Sparse Cerebrovascular Data Sets. <i>Investigative Radiology</i> , 2016, 51, 365-371.	3.5	10
83	Quantitative cerebrovascular 4D flow MRI at rest and during hypercapnia challenge. <i>Magnetic Resonance Imaging</i> , 2016, 34, 422-428.	1.0	23
84	Neurovascular 4DFlow MRI (Phase Contrast MRA): emerging clinical applications. <i>Neurovascular Imaging</i> , 2016, 2, .	2.4	19
85	Phase unwrapping in 4D MR flow with a 4D single-step laplacian algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 833-842.	1.9	62
86	4D flow MRI for intracranial hemodynamics assessment in Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1718-1730.	2.4	77
87	Non-contrast-enhanced MRA of renal artery stenosis: validation against DSA in a porcine model. <i>European Radiology</i> , 2016, 26, 547-555.	2.3	28
88	Intracranial arterial four-dimensional flow is associated with metrics of brain health and Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2015, 1, 420-428.	1.2	28
89	Respiratory-induced venous blood flow effects using flexible retrospective double-gating. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 211-216.	1.9	22
90	Non-invasive measurement using cardiovascular magnetic resonance of changes in pulmonary artery stiffness with exercise. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 109.	1.6	39

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91	Impaired regulation of portal venous flow in response to a meal challenge as quantified by 4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, spcone-spcone.	1.9	0
92	Four-dimensional flow assessment of pulmonary artery flow and wall shear stress in adult pulmonary arterial hypertension: Results from two institutions. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1904-1913.	1.9	116
93	Impaired regulation of portal venous flow in response to a meal challenge as quantified by 4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1009-1017.	1.9	48
94	Ventricular kinetic energy may provide a novel noninvasive way to assess ventricular performance in patients with repaired tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1339-1347.	0.4	61
95	Fast Contrast-Enhanced 4D MRA and 4D Flow MRI Using Constrained Reconstruction (HYPRFlow): Potential Applications for Brain Arteriovenous Malformations. <i>American Journal of Neuroradiology</i> , 2015, 36, 1049-1055.	1.2	31
96	Exercise cardiac MR assessment of diastolic function. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	1.6	0
97	Hemodynamic study of TCPC using in vivo and in vitro 4D Flow MRI and numerical simulation. <i>Journal of Biomechanics</i> , 2015, 48, 1325-1330.	0.9	35
98	Fast 4D flow MRI intracranial segmentation and quantification in tortuous arteries. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1458-1464.	1.9	53
99	Interest of HYPR flow dynamic MRA for characterization of cerebral arteriovenous malformations: comparison with TRICKS MRA and catheter DSA. <i>European Radiology</i> , 2015, 25, 3230-3237.	2.3	10
100	4D flow cardiovascular magnetic resonance consensus statement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 72.	1.6	642
101	Hemodynamic assessment in a child with renovascular hypertension using time-resolved three-dimensional cine phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 165-168.	1.9	9
102	Measurements of wall shear stress and aortic pulse wave velocity in swine with familial hypercholesterolemia. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1475-1485.	1.9	9
103	Cerebrospinal Fluid Flow Impedance is Elevated in Type I Chiari Malformation. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 021012.	0.6	35
104	Low Cost Magnetic Resonance Imaging-Compatible Stepper Exercise Device for Use in Cardiac Stress Tests. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, 0450021-450028.	0.4	8
105	MR Selective Flow-Tracking Cartography: A Postprocessing Procedure Applied to Four-dimensional Flow MR Imaging for Complete Characterization of Cranial Dural Arteriovenous Fistulas. <i>Radiology</i> , 2014, 270, 261-268.	3.6	20
106	Effect of temporal resolution on 4D flow MRI in the portal circulation. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 819-826.	1.9	28
107	Effect of temporal resolution on 4D flow MRI in the portal circulation. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, spcone-spcone.	1.9	2
108	Does Aneurysmal Wall Enhancement on Vessel Wall MRI Help to Distinguish Stable From Unstable Intracranial Aneurysms?. <i>Stroke</i> , 2014, 45, 3704-3706.	1.0	209

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109	Non-invasive assessment of cardiac function and pulmonary vascular resistance in an canine model of acute thromboembolic pulmonary hypertension using 4D flow cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 23.	1.6	28
110	Use of three-dimensional time-resolved phase-contrast magnetic resonance imaging with vastly undersampled isotropic projection reconstruction to assess renal blood flow in a renal cell carcinoma patient treated with sunitinib: a case report. <i>BMC Research Notes</i> , 2014, 7, 527.	0.6	4
111	Reproducibility of Cerebrospinal Venous Blood Flow and Vessel Anatomy with the Use of Phase Contrast-Vastly Undersampled Isotropic Projection Reconstruction and Contrast-Enhanced MRA. <i>American Journal of Neuroradiology</i> , 2014, 35, 999-1006.	1.2	23
112	Advanced technologies applied to physiopathological analysis of central nervous system aneurysms and vascular malformations. <i>Diagnostic and Interventional Imaging</i> , 2014, 95, 1187-1193.	1.8	13
113	Review of MRI-based measurements of pulse wave velocity: a biomarker of arterial stiffness. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 193-206.	0.7	110
114	Adaptive retrospective correction of motion artifacts in cranial MRI with multicoil three-dimensional radial acquisitions. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1094-1103.	1.9	39
115	Measurement of tibiofemoral kinematics using highly accelerated 3D radial sampling. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1310-1316.	1.9	32
116	Repeatability and Internal Consistency of Abdominal 2D and 4D Phase Contrast MR Flow Measurements. <i>Academic Radiology</i> , 2013, 20, 699-704.	1.3	70
117	In vivo validation of 4D flow MRI for assessing the hemodynamics of portal hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 1100-1108.	1.9	93
118	Quantification of Thoracic Blood Flow Using Volumetric Magnetic Resonance Imaging With Radial Velocity Encoding. <i>Investigative Radiology</i> , 2013, 48, 819-825.	3.5	44
119	Aortic pulse wave velocity measurements with undersampled 4D flow-sensitive MRI: comparison with 2D and algorithm determination. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 853-859.	1.9	56
120	In vivo validation of 4D flow MRI for assessing the hemodynamics of portal hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, spcone-spcone.	1.9	0
121	Measuring Pulsatile Flow in Cerebral Arteries Using 4D Phase-Contrast MR Imaging. <i>American Journal of Neuroradiology</i> , 2013, 34, 1740-1745.	1.2	68
122	Relation of Cerebrospinal Fluid Flow Impedance and Cerebellar Herniation in Type I Chiari Malformation. , 2013, , .		0
123	Hemodynamic Changes in Patients with Arteriovenous Malformations Assessed Using High-Resolution 3D Radial Phase-Contrast MR Angiography. <i>American Journal of Neuroradiology</i> , 2012, 33, 1565-1572.	1.2	64
124	4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, spcone-spcone.	1.9	3
125	4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1015-1036.	1.9	583
126	4D cardiovascular magnetic resonance velocity mapping of alterations of right heart flow patterns and main pulmonary artery hemodynamics in tetralogy of Fallot. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 16.	1.6	129

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127	Noninvasive pressure measurement with 4D phase contrast MRI in patients with aortic coarctations. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	1
128	Repeatability and internal consistency of abdominal 2D and 4D PC MR flow measurements. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	1
129	Comparison of divergence-free algorithms for 3D MRI with three-directional velocity encoding. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	6
130	High resolution three-dimensional cine phase contrast MRI of small intracranial aneurysms using a stack of stars k-space trajectory. Journal of Magnetic Resonance Imaging, 2012, 35, 518-527.	1.9	51
131	High resolution three-dimensional cine phase contrast MRI of small intracranial aneurysms using a stack of stars k-space trajectory. Journal of Magnetic Resonance Imaging, 2012, 35, spcone-spcone.	1.9	0
132	Four-dimensional phase contrast MRI With accelerated dual velocity encoding. Journal of Magnetic Resonance Imaging, 2012, 35, spcone-spcone.	1.9	2
133	Four-dimensional phase contrast MRI with accelerated dual velocity encoding. Journal of Magnetic Resonance Imaging, 2012, 35, 1462-1471.	1.9	81
134	Non-Cartesian MR Angiography. , 2012, , 169-183.		0
135	HYPR TOF: Time-resolved contrast-enhanced intracranial mr angiography using time-of-flight as the spatial constraint. Journal of Magnetic Resonance Imaging, 2011, 33, 719-723.	1.9	4
136	In vivo three-dimensional MR wall shear stress estimation in ascending aortic dilatation. Journal of Magnetic Resonance Imaging, 2011, 33, 589-597.	1.9	97
137	Four-dimensional velocity mapping of the hepatic and splanchnic vasculature with radial sampling at 3 tesla: A feasibility study in portal hypertension. Journal of Magnetic Resonance Imaging, 2011, 34, 577-584.	1.9	50
138	Time resolved contrast enhanced intracranial MRA using a single dose delivered as sequential injections and highly constrained projection reconstruction (HYPR CE). Magnetic Resonance in Medicine, 2011, 65, 956-963.	1.9	9
139	Comparison of blood velocity measurements between ultrasound Doppler and accelerated phase-contrast MR angiography in small arteries with disturbed flow. Physics in Medicine and Biology, 2011, 56, 1755-1773.	1.6	31
140	Velocity Measurements in the Middle Cerebral Arteries of Healthy Volunteers Using 3D Radial Phase-Contrast HYPRFlow: Comparison with Transcranial Doppler Sonography and 2D Phase-Contrast MR Imaging. American Journal of Neuroradiology, 2011, 32, 54-59.	1.2	49
141	Noninvasive Assessment of Transstenotic Pressure Gradients in Porcine Renal Artery Stenoses by Using Vastly Undersampled Phase-Contrast MR Angiography. Radiology, 2011, 261, 266-273.	3.6	56
142	Renal Arteries: Isotropic, High-Spatial-Resolution, Unenhanced MR Angiography with Three-dimensional Radial Phase Contrast. Radiology, 2011, 258, 254-260.	3.6	51
143	Retrospective registration-based MRI motion correction with interleaved radial trajectories. , 2011, , .		0
144	Flow characteristics in a canine aneurysm model: A comparison of 4D accelerated phase-contrast MR measurements and computational fluid dynamics simulations. Medical Physics, 2011, 38, 6300-6312.	1.6	34

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