Andrew D Scott

List of Publications by Year
in descending order

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Version: 2024-02-01

47 papers	1,348 citations	394421 19 h-index	345221 36 g-index
48 all docs	48 docs citations	48 times ranked	1521 citing authors

#	Article	IF	Citations
1	Assessment of Myocardial Microstructural Dynamics by InÂVivo Diffusion Tensor Cardiac Magnetic Resonance. Journal of the American College of Cardiology, 2017, 69, 661-676.	2.8	171
2	Motion in Cardiovascular MR Imaging. Radiology, 2009, 250, 331-351.	7.3	140
3	In vivo cardiovascular magnetic resonance diffusion tensor imaging shows evidence of abnormal myocardial laminar orientations and mobility in hypertrophic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 87.	3.3	137
4	Reproducibility of in-vivo diffusion tensor cardiovascular magnetic resonance in hypertrophic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 86.	3.3	78
5	An in-vivo comparison of stimulated-echo and motion compensated spin-echo sequences for 3ÂT diffusion tensor cardiovascular magnetic resonance at multiple cardiac phases. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 1.	3.3	78
6	Speech MRI: Morphology and function. Physica Medica, 2014, 30, 604-618.	0.7	68
7	In vitroandin vivorepeatability of abdominal diffusion-weighted MRI. British Journal of Radiology, 2012, 85, 1507-1512.	2.2	58
8	Optimal diffusion weighting for in vivo cardiac diffusion tensor imaging. Magnetic Resonance in Medicine, 2015, 74, 420-430.	3.0	45
9	Diffusion Tensor Cardiovascular Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2020, 13, 1235-1255.	5.3	45
10	Towards clinical assessment of velopharyngeal closure using MRI: evaluation of real-time MRI sequences at 1.5 and 3 T. British Journal of Radiology, 2012, 85, e1083-e1092.	2.2	35
11	Intercentre reproducibility of cardiac apparent diffusion coefficient and fractional anisotropy in healthy volunteers. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 31.	3.3	33
12	The effects of noise in cardiac diffusion tensor imaging and the benefits of averaging complex data. NMR in Biomedicine, 2016, 29, 588-599.	2.8	32
13	Impact of orthodontic appliances on the quality of craniofacial anatomical magnetic resonance imaging and real-time speech imaging. European Journal of Orthodontics, 2015, 37, 610-617.	2.4	27
14	Cardiac Diffusion: Technique and Practical Applications. Journal of Magnetic Resonance Imaging, 2020, 52, 348-368.	3.4	27
15	Predictors of left ventricular remodelling in patients with dilated cardiomyopathy â€“ a cardiovascular magnetic resonance study. European Journal of Heart Failure, 2020, 22, 1160-1170.	7.1	27
16	Beat-to-beat respiratory motion correction with near 100% efficiency: a quantitative assessment using high-resolution coronary artery imaging. Magnetic Resonance Imaging, 2011, 29, 568-578.	1.8	26
17	Diffusion Tensor Cardiovascular Magnetic Resonance in Cardiac Amyloidosis. Circulation: Cardiovascular Imaging, 2020, 13, e009901.	2.6	26
18	Heterogeneity of Fractional Anisotropy and Mean Diffusivity Measurements by In Vivo Diffusion Tensor Imaging in Normal Human Hearts. PLoS ONE, 2015, 10, e0132360.	2.5	26

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19	Stochastic Deep Compressive Sensing for the Reconstruction of Diffusion Tensor Cardiac MRI. Lecture Notes in Computer Science, 2018, , 295-303.	1.3	22
20	Fully-automated global and segmental strain analysis of DENSE cardiovascular magnetic resonance using deep learning for segmentation and phase unwrapping. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 20.	3.3	21
21	Relationship between cardiac diffusion tensor imaging parameters and anthropometrics in healthy volunteers. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 2.	3.3	19
22	Diffusion Tensor Cardiovascular Magnetic Resonance of Microstructural Recovery in Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2018, 11, 1548-1550.	5.3	18
23	Evaluation of the impact of strain correction on the orientation of cardiac diffusion tensors with in vivo and ex vivo porcine hearts. Magnetic Resonance in Medicine, 2018, 79, 2205-2215.	3.0	18
24	Novel insights into inâ€vivo diffusion tensor cardiovascular magnetic resonance using computational modelling and a histologyâ€based virtual microstructure. Magnetic Resonance in Medicine, 2019, 81, 2759-2773.	3.0	18
25	Adaptive averaging applied to dynamic imaging of the soft palate. Magnetic Resonance in Medicine, 2013, 70, 865-874.	3.0	15
26	Deranged Myocyte Microstructure in Situs Inversus Totalis Demonstrated by Diffusion Tensor Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2018, 11, 1360-1362.	5.3	15
27	Automating in vivo cardiac diffusion tensor postprocessing with deep learningâ€“based segmentation. Magnetic Resonance in Medicine, 2020, 84, 2801-2814.	3.0	15
28	Reproducibility of global and segmental myocardial strain using cine DENSE at 3ÂT: a multicenter cardiovascular magnetic resonance study in healthy subjects and patients withÂheart disease. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 23.	3.3	13
29	Highâ€resolution 3D coronary vessel wall imaging with near 100% respiratory efficiency using epicardial fat tracking: Reproducibility and comparison with standard methods. Journal of Magnetic Resonance Imaging, 2011, 33, 77-86.	3.4	12
30	Diffusion tensor cardiovascular magnetic resonance with a spiral trajectory: An in vivo comparison of echo planar and spiral stimulated echo sequences. Magnetic Resonance in Medicine, 2018, 80, 648-654.	3.0	11
31	Random walk diffusion simulations in semi-permeable layered media with varying diffusivity. Scientific Reports, 2022, 12, .	3.3	11
32	Accelerating cine DENSE using a zonal excitation. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O50.	3.3	7
33	Motionâ€Induced Signal Loss in In Vivo Cardiac Diffusionâ€Weighted Imaging. Journal of Magnetic Resonance Imaging, 2020, 51, 319-320.	3.4	7
34	Accelerating Cardiac Diffusion Tensor Imaging With a Uâ€Net Based Model: Toward Single Breathâ€Hold. Journal of Magnetic Resonance Imaging, 2022, 56, 1691-1704.	3.4	7
35	Noninvasive detection of coronary artery wall thickening with age in healthy subjects using high resolution MRI with beatâ€toâ€beat respiratory motion correction. Journal of Magnetic Resonance Imaging, 2011, 34, 824-830.	3.4	6
36	The feasibility of a novel limited field of view spiral cine DENSE sequence to assess myocardial strain in dilated cardiomyopathy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 317-329.	2.0	6

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37	High resolution inâ€vivo DTâ€CMR using an interleaved variable density spiral STEAM sequence. Magnetic Resonance in Medicine, 2019, 81, 1580-1594.	3.0	6
38	Aberrant myocardial sheetlet mobility in hypertrophic cardiomyopathy detected using in vivo cardiovascular magnetic resonance diffusion tensor imaging. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P338.	3.3	5
39	Comparison of cardiac DTI parameters between systole and diastole. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P39.	3.3	4
40	In-vivo cardiac DTI: An initial comparison of M012 compensated spin-echo and STEAM. Journal of Cardiovascular Magnetic Resonance, 2016, 18, W19.	3.3	3
41	Diffusion tensor cardiovascular magnetic resonance in hypertrophic cardiomyopathy: a comparison of motion-compensated spin echo and stimulated echo techniques. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 331-342.	2.0	2
42	Development of a cardiovascular magnetic resonanceâ€compatible large animal isolated heart model for direct comparison of beating and arrested hearts. NMR in Biomedicine, 2022, , e4692.	2.8	2
43	Validation of cardiac diffusion tensor imaging sequences: A multicentre testâ€“retest phantom study. NMR in Biomedicine, 2022, 35, e4685.	2.8	2
44	Can we predict the diffusion â€œsweet-spotâ€•based on a standard cine?. Journal of Cardiovascular Magnetic Resonance, 2016, 18, W17.	3.3	1
45	134â€…Non-invasive Interrogation of Myocardial Disarray in Hypertrophic Cardiomyopathy. Heart, 2016, 102, A96.1-A96.	2.9	0
46	Intercentre reproducibility of second eigenvector orientation in cardiac diffusion tensor imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P35.	3.3	0
47	2â€…Assessment of the microstructure in recovered dilated cardiomyopathy with diffusion tensor cardiovascular magnetic resonance. , 2018, , .		0