

# Andrew J Fagan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

1,673  
citations

22  
h-index

39  
g-index

86  
ext. papers

1,972  
ext. citations

3.8  
avg, IF

4.33  
L-index

#	Paper	IF	Citations
75	The development of ultra-high field MRI guidance technology for neuronavigation.. <i>Journal of Neurosurgery</i> , <b>2022</b> , 1-13	3.2	
74	7T MR Thermometry technique for validation of system-predicted SAR with a home-built radiofrequency wrist coil. <i>Medical Physics</i> , <b>2021</b> , 48, 781-790	4.4	
73	Age-related normative changes in cerebral perfusion: Data from The Irish Longitudinal Study on Ageing (TILDA). <i>NeuroImage</i> , <b>2021</b> , 229, 117741	7.9	3
72	Gray matter volume in the right angular gyrus is associated with differential patterns of multisensory integration with aging. <i>Neurobiology of Aging</i> , <b>2021</b> , 100, 83-90	5.6	3
71	Higher temporal resolution multiband fMRI provides improved presurgical language maps. <i>Neuroradiology</i> , <b>2021</b> , 63, 439-445	3.2	2
70	7T MR Safety. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 333-346	5.6	8
69	Clinical 7-T MRI for neuroradiology: strengths, weaknesses, and ongoing challenges. <i>Neuroradiology</i> , <b>2021</b> , 63, 167-177	3.2	4
68	Obesity is associated with reduced cerebral blood flow - modified by physical activity. <i>Neurobiology of Aging</i> , <b>2021</b> , 105, 35-47	5.6	5
67	Optimisation of the transmit beam parameters for generation of subharmonic signals in native and altered populations of a commercial microbubble contrast agent SonoVue <sup>®</sup> . <i>Physica Medica</i> , <b>2020</b> , 70, 176-183	2.7	
66	Multimodal Breast Phantoms for Microwave, Ultrasound, Mammography, Magnetic Resonance and Computed Tomography Imaging. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
65	Polyvinyl alcohol cryogel based vessel mimicking material for modelling the progression of atherosclerosis. <i>Physica Medica</i> , <b>2020</b> , 69, 1-8	2.7	4
64	Magnetic Resonance Safety in the 7T Environment. <i>Magnetic Resonance Imaging Clinics of North America</i> , <b>2020</b> , 28, 573-582	1.6	2
63	DCE-MRI protocol for constraining absolute pharmacokinetic modeling errors within specific accuracy limits. <i>Medical Physics</i> , <b>2019</b> , 46, 3592-3602	4.4	0
62	An investigation of the detection capability of pulsed wave duplex Doppler of low grade stenosis using ultrasound contrast agent microbubbles - An in-vitro study. <i>Ultrasonics</i> , <b>2019</b> , 96, 48-54	3.5	4
61	Uniform combined reconstruction of multichannel 7T knee MRI receive coil data without the use of a reference scan. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1534-1544	5.6	1
60	Image Artifact Management for Clinical Magnetic Resonance Imaging on a 7 T Scanner Using Single-Channel Radiofrequency Transmit Mode. <i>Investigative Radiology</i> , <b>2019</b> , 54, 781-791	10.1	8
59	Use of Novel Anthropomorphic Breast Ultrasound Phantoms for Radiology Resident Education. <i>Journal of the American College of Radiology</i> , <b>2019</b> , 16, 211-218	3.5	5

58	Computerised working memory-based cognitive remediation therapy does not affect Reading the Mind in The Eyes test performance or neural activity during a Facial Emotion Recognition test in psychosis. <i>European Journal of Neuroscience</i> , <b>2018</b> , 48, 1691	3.5	0
57	Pilot Investigation into the Use of an Anthropomorphic Breast Sonography Phantom as a Training and Assessment Tool. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 2733-2740	3.5	6
56	A novel anthropomorphic flow phantom for the quantitative evaluation of prostate DCE-MRI acquisition techniques. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 7466-7483	3.8	8
55	A study of the feasibility and reproducibility of measuring blood perfusion in the kidney using MRI without a contrast agent. <i>Physica Medica</i> , <b>2016</b> , 32, 414	2.7	
54	Assessment of competence in surgical skills using functional magnetic resonance imaging: a feasibility study. <i>Journal of Surgical Education</i> , <b>2015</b> , 72, 198-204	3.4	13
53	Sodium-23 magnetic resonance imaging has potential for improving penumbra detection but not for estimating stroke onset time. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 103-110	7.3	17
52	BDNF Val66Met polymorphism in patterns of neural activation in individuals with MDD and healthy controls. <i>Journal of Affective Disorders</i> , <b>2015</b> , 184, 239-44	6.6	13
51	Signal Propagation in the Human Visual Pathways: An Effective Connectivity Analysis. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 13501-10	6.6	9
50	Childhood adversity, depression, age and gender effects on white matter microstructure: a DTI study. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 1997-2009	4	39
49	Impaired reward processing in the human prefrontal cortex distinguishes between persistent and remittent attention deficit hyperactivity disorder. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 4648-63	5.9	12
48	White matter alterations in patients with MRI-negative temporal lobe epilepsy and their asymptomatic siblings. <i>Epilepsia</i> , <b>2015</b> , 56, 1551-61	6.4	25
47	Whole Body MRI in the Staging of Esophageal Cancer--A Prospective Comparison with Whole Body 18F-FDG PET-CT. <i>Digestive Surgery</i> , <b>2015</b> , 32, 397-408	2.5	18
46	Comparison of in-house development cylindrical and spherical anechoic target phantoms for performance testing of breast ultrasound scanners. <i>Physica Medica</i> , <b>2014</b> , 30, 718	2.7	2
45	The utility of deformable image registration for small artery visualisation in contrast-enhanced whole body MR angiography. <i>Physica Medica</i> , <b>2014</b> , 30, 898-908	2.7	2
44	"Sand-watch" spinal cord: a case of inferior cervical spinal cord atrophy. <i>Journal of Neurology</i> , <b>2014</b> , 261, 235-7	5.5	10
43	Grey matter correlates of clinical variables in amyotrophic lateral sclerosis (ALS): a neuroimaging study of ALS motor phenotype heterogeneity and cortical focality. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2013</b> , 84, 766-73	5.5	99
42	Recruitment of the left hemispheric emotional attention neural network in risk for and protection from depression. <i>Journal of Psychiatry and Neuroscience</i> , <b>2013</b> , 38, 117-28	4.5	20
41	Multiparametric MRI study of ALS stratified for the C9orf72 genotype. <i>Neurology</i> , <b>2013</b> , 81, 361-9	6.5	129

40	Heritability of subcortical volumetric traits in mesial temporal lobe epilepsy. <i>PLoS ONE</i> , <b>2013</b> , 8, e61880	3.7	15
39	The design of a double-tuned two-port surface resonator and its application to in vivo hydrogen- and sodium-MRI. <i>Journal of Magnetic Resonance</i> , <b>2012</b> , 217, 10-8	3	16
38	Altered inhibition of negative emotions in subjects at family risk of major depressive disorder. <i>Journal of Psychiatric Research</i> , <b>2012</b> , 46, 181-8	5.2	24
37	Impact of family history and depression on amygdala volume. <i>Psychiatry Research - Neuroimaging</i> , <b>2012</b> , 203, 24-30	2.9	28
36	Social and monetary reward processing in autism spectrum disorders. <i>Molecular Autism</i> , <b>2012</b> , 3, 7	6.5	118
35	Neurotrophic tyrosine kinase polymorphism impacts white matter connections in patients with major depressive disorder. <i>Biological Psychiatry</i> , <b>2012</b> , 72, 663-70	7.9	45
34	Effect of motion on the ADC quantification accuracy of whole-body DWIBS. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2012</b> , 25, 263-6	2.8	5
33	The effects of fatty deposits on the accuracy of the Fibroscan <sup>®</sup> liver transient elastography ultrasound system. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 3901-14	3.8	19
32	Regional and temporal variations in tissue sodium concentration during the acute stroke phase. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 740-9	4.4	16
31	Reduced fractional anisotropy in the uncinate fasciculus in patients with major depression carrying the met-allele of the Val66Met brain-derived neurotrophic factor genotype. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , <b>2012</b> , 159B, 537-48	3.5	64
30	Effects of early-life adversity on white matter diffusivity changes in patients at risk for major depression. <i>Journal of Psychiatry and Neuroscience</i> , <b>2012</b> , 37, 37-45	4.5	68
29	Review of ultrasound elastography quality control and training test phantoms. <i>Ultrasound</i> , <b>2012</b> , 20, 16-23	1.3	19
28	Early life adversity is associated with brain changes in subjects at family risk for depression. <i>World Journal of Biological Psychiatry</i> , <b>2012</b> , 13, 569-78	3.8	68
27	Effect of genetic variant in BICC1 on functional and structural brain changes in depression. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 2855-62	8.7	37
26	Reduced expression of glucocorticoid-inducible genes GILZ and SGK-1: high IL-6 levels are associated with reduced hippocampal volumes in major depressive disorder. <i>Translational Psychiatry</i> , <b>2012</b> , 2, e88	8.6	121
25	Spinal cord markers in ALS: diagnostic and biomarker considerations. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , <b>2012</b> , 13, 407-15		39
24	How can sodium MRI techniques help us understand acute stroke?. <i>Imaging in Medicine</i> , <b>2012</b> , 4, 367-379	1	1
23	Comparative imaging study in ultrasound, MRI, CT, and DSA using a multimodality renal artery phantom. <i>Medical Physics</i> , <b>2011</b> , 38, 565-73	4.4	7

22	Novel tissue mimicking materials for high frequency breast ultrasound phantoms. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 122-35	3.5	46
21	Development of a vessel-mimicking material for use in anatomically realistic Doppler flow phantoms. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 813-26	3.5	71
20	Donepezil impairs memory in healthy older subjects: behavioural, EEG and simultaneous EEG/fMRI biomarkers. <i>PLoS ONE</i> , <b>2011</b> , 6, e24126	3.7	37
19	Schizophrenia-related endophenotypes in heterozygous neuregulin-1 knockout mice. <i>European Journal of Neuroscience</i> , <b>2010</b> , 31, 349-58	3.5	66
18	Magnetic resonance angiography of abdominal vessels at 3 T. <i>Topics in Magnetic Resonance Imaging</i> , <b>2010</b> , 21, 189-97	2.3	
17	Whole-body MR imaging in a multimodality world: current applications, limitations, and future potential for comprehensive musculoskeletal imaging. <i>Seminars in Musculoskeletal Radiology</i> , <b>2010</b> , 14, 14-21	1.8	5
16	A double-tuned (1)H/(23)Na dual resonator system for tissue sodium concentration measurements in the rat brain via Na-MRI. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 7681-95	3.8	24
15	Assessment of the accuracy of an ultrasound elastography liver scanning system using a PVA-cryogel phantom with optimal acoustic and mechanical properties. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 5965-83	3.8	38
14	Serial postmortem relaxometry in the normal rat brain and following stroke. <i>Journal of Magnetic Resonance Imaging</i> , <b>2008</b> , 27, 469-75	5.6	7
13	Noninvasive monitoring of chick development in ovo using a 7T MRI system from day 12 of incubation through to hatching. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 26, 198-201	5.6	45
12	17beta-Estradiol treatment following permanent focal ischemia does not influence recovery of sensorimotor function. <i>Neurobiology of Disease</i> , <b>2006</b> , 23, 552-62	7.5	16
11	Continuous-Wave NMR Imaging in the Solid State. <i>Annual Reports on NMR Spectroscopy</i> , <b>2005</b> , 56, 97-140.	1.7	4
10	Development of a 3-D, multi-nuclear continuous wave NMR imaging system. <i>Journal of Magnetic Resonance</i> , <b>2005</b> , 176, 140-50	3	18
9	Continuous wave MRI diffusion study of water in bentonite clay. <i>Magnetic Resonance Imaging</i> , <b>2005</b> , 23, 317-9	3.3	12
8	Continuous wave MRI of heterogeneous materials. <i>Journal of Magnetic Resonance</i> , <b>2003</b> , 163, 318-24	3	13
7	Hydrogenation characteristics and magnetic properties of fine Ni particles coated with Pd. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 403-404	2.8	5
6	Thermal conductivity of a giant magnetoresistive mechanical alloy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 493-494	2.8	8
5	Giant magnetoresistance in bulk mechanically alloyed Co-Ag. <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, 8953-8966	1.8	12

4	Magnetic properties of fine Ni particle coated with Pd. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1994</b> , 135, 293-297	2.8	9
3	. <i>IEEE Transactions on Magnetism</i> , <b>1994</b> , 30, 666-668	2	18
2	Giant magnetoresistance and induced exchange anisotropy in mechanically alloyed Co <sub>30</sub> Ag <sub>70</sub> . <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 6921-6923	2.5	8
1	Modulation of spin reorientation transitions in the series R(Fe, M) <sub>12</sub> X <sub>y</sub> (R ? Y, Nd, Ho; M ? Mo, Ti; X ? N, H). <i>Journal of Alloys and Compounds</i> , <b>1993</b> , 191, 233-238	5.7	23