

Andrew J Fagan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5042794/publications.pdf>

Version: 2024-02-01

84
papers

2,188
citations

257101

24
h-index

243296

44
g-index

86
all docs

86
docs citations

86
times ranked

4059
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiparametric MRI study of ALS stratified for the <i>C9orf72</i> genotype. <i>Neurology</i> , 2013, 81, 361-369.	1.5	150
2	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> , 2012, 2, e88-e88.	2.4	144
3	Social and monetary reward processing in autism spectrum disorders. <i>Molecular Autism</i> , 2012, 3, 7.	2.6	143
4	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> , 2013, 84, 766-773.	0.9	121
5	Development of a Vessel-Mimicking Material for use in Anatomically Realistic Doppler Flow Phantoms. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 813-826.	0.7	106
6	Early life adversity is associated with brain changes in subjects at family risk for depression. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 569-578.	1.3	88
7	Reduced fractional anisotropy in the uncinate fasciculus in patients with major depression carrying the meta-allele of the Val66Met brain-derived neurotrophic factor genotype. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2012, 159B, 537-548.	1.1	82
8	Effects of early-life adversity on white matter diffusivity changes in patients at risk for major depression. <i>Journal of Psychiatry and Neuroscience</i> , 2012, 37, 37-45.	1.4	80
9	Schizophrenia-related endophenotypes in heterozygous neuregulin1 knock-out mice. <i>European Journal of Neuroscience</i> , 2010, 31, 349-358.	1.2	68
10	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> , 2007, 26, 198-201.	1.9	65
11	Novel Tissue Mimicking Materials for High Frequency Breast Ultrasound Phantoms. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 122-135.	0.7	61
12	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> , 2010, 55, 5965-5983.	1.6	59
13	Spinal cord markers in ALS: Diagnostic and biomarker considerations. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 407-415.	2.3	50
14	Neurotrophic Tyrosine Kinase Polymorphism Impacts White Matter Connections in Patients with Major Depressive Disorder. <i>Biological Psychiatry</i> , 2012, 72, 663-670.	0.7	50
15	Childhood adversity, depression, age and gender effects on white matter microstructure: a DTI study. <i>Brain Structure and Function</i> , 2015, 220, 1997-2009.	1.2	47
16	Donepezil Impairs Memory in Healthy Older Subjects: Behavioural, EEG and Simultaneous EEG/fMRI Biomarkers. <i>PLoS ONE</i> , 2011, 6, e24126.	1.1	47
17	Effect of Genetic Variant in BICC1 on Functional and Structural Brain Changes in Depression. <i>Neuropsychopharmacology</i> , 2012, 37, 2855-2862.	2.8	45
18	White matter alterations in patients with MRI-negative temporal lobe epilepsy and their asymptomatic siblings. <i>Epilepsia</i> , 2015, 56, 1551-1561.	2.6	34

#	ARTICLE	IF	CITATIONS
19	Impact of family history and depression on amygdala volume. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 24-30.	0.9	33
20	^{7T MR} Safety. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 333-346.	1.9	32
21	Obesity is associated with reduced cerebral blood flow “ modified by physical activity. <i>Neurobiology of Aging</i> , 2021, 105, 35-47.	1.5	31
22	Review of ultrasound elastography quality control and training test phantoms. <i>Ultrasound</i> , 2012, 20, 16-23.	0.3	29
23	Altered inhibition of negative emotions in subjects at family risk of major depressive disorder. <i>Journal of Psychiatric Research</i> , 2012, 46, 181-188.	1.5	27
24	A double-tuned ^{1H} / ^{23Na} dual resonator system for tissue sodium concentration measurements in the rat brain via Na-MRI. <i>Physics in Medicine and Biology</i> , 2010, 55, 7681-7695.	1.6	26
25	Modulation of spin reorientation transitions in the series R(Fe, M)12Xy (R $\hat{=}$ 1/4 Y, Nd, Ho; M $\hat{=}$ 1/4 Mo, Ti; X $\hat{=}$ 1/4 N, H). <i>Journal of Alloys and Compounds</i> , 1993, 191, 233-238.	2.8	25
26	The effects of fatty deposits on the accuracy of the Fibroscan® liver transient elastography ultrasound system. <i>Physics in Medicine and Biology</i> , 2012, 57, 3901-3914.	1.6	25
27	Recruitment of the left hemispheric emotional attention neural network in risk for and protection from depression. <i>Journal of Psychiatry and Neuroscience</i> , 2013, 38, 117-128.	1.4	24
28	Whole Body MRI in the Staging of Esophageal Cancer - A Prospective Comparison with Whole Body ^{18F} -FDG PET-CT. <i>Digestive Surgery</i> , 2015, 32, 397-408.	0.6	23
29	Multimodal Breast Phantoms for Microwave, Ultrasound, Mammography, Magnetic Resonance and Computed Tomography Imaging. <i>Sensors</i> , 2020, 20, 2400.	2.1	23
30	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> , 2015, 35, 103-110.	2.4	22
31	Development of a 3-D, multi-nuclear continuous wave NMR imaging system. <i>Journal of Magnetic Resonance</i> , 2005, 176, 140-150.	1.2	21
32	Magneto-resistance in nanostructured Co-Ag prepared by mechanical-alloying. <i>IEEE Transactions on Magnetics</i> , 1994, 30, 666-668.	1.2	19
33	BDNF Val66Met polymorphism in patterns of neural activation in individuals with MDD and healthy controls. <i>Journal of Affective Disorders</i> , 2015, 184, 239-244.	2.0	19
34	Regional and temporal variations in tissue sodium concentration during the acute stroke phase. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 740-749.	1.9	18
35	Clinical 7-T MRI for neuroradiology: strengths, weaknesses, and ongoing challenges. <i>Neuroradiology</i> , 2021, 63, 167-177.	1.1	18
36	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> , 2012, 217, 10-18.	1.2	17

#	ARTICLE	IF	CITATIONS
37	17 β -Estradiol treatment following permanent focal ischemia does not influence recovery of sensorimotor function. <i>Neurobiology of Disease</i> , 2006, 23, 552-562.	2.1	16
38	Heritability of Subcortical Volumetric Traits in Mesial Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2013, 8, e61880.	1.1	16
39	Impaired reward processing in the human prefrontal cortex distinguishes between persistent and remittent attention deficit hyperactivity disorder. <i>Human Brain Mapping</i> , 2015, 36, 4648-4663.	1.9	16
40	Image Artifact Management for Clinical Magnetic Resonance Imaging on a 7 T Scanner Using Single-Channel Radiofrequency Transmit Mode. <i>Investigative Radiology</i> , 2019, 54, 781-791.	3.5	16
41	Continuous wave MRI of heterogeneous materials. <i>Journal of Magnetic Resonance</i> , 2003, 163, 318-324.	1.2	15
42	Continuous wave MRI diffusion study of water in bentonite clay. <i>Magnetic Resonance Imaging</i> , 2005, 23, 317-319.	1.0	14
43	Assessment of Competence in Surgical Skills Using Functional Magnetic Resonance Imaging: A Feasibility Study. <i>Journal of Surgical Education</i> , 2015, 72, 198-204.	1.2	14
44	Gray matter volume in the right angular gyrus is associated with differential patterns of multisensory integration with aging. <i>Neurobiology of Aging</i> , 2021, 100, 83-90.	1.5	14
45	Signal Propagation in the Human Visual Pathways: An Effective Connectivity Analysis. <i>Journal of Neuroscience</i> , 2015, 35, 13501-13510.	1.7	13
46	Age-related normative changes in cerebral perfusion: Data from The Irish Longitudinal Study on Ageing (TILDA). <i>NeuroImage</i> , 2021, 229, 117741.	2.1	13
47	Giant magnetoresistance in bulk mechanically alloyed Co-Ag. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 8953-8966.	0.7	12
48	“Sand-watch” spinal cord: a case of inferior cervical spinal cord atrophy. <i>Journal of Neurology</i> , 2014, 261, 235-237.	1.8	12
49	Use of Novel Anthropomorphic Breast Ultrasound Phantoms for Radiology Resident Education. <i>Journal of the American College of Radiology</i> , 2019, 16, 211-218.	0.9	11
50	Effect of motion on the ADC quantification accuracy of whole-body DWIBS. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 263-266.	1.1	10
51	Polyvinyl alcohol cryogel based vessel mimicking material for modelling the progression of atherosclerosis. <i>Physica Medica</i> , 2020, 69, 1-8.	0.4	10
52	Magnetic properties of fine Ni particle coated with Pd. <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 135, 293-297.	1.0	9
53	Giant magnetoresistance and induced exchange anisotropy in mechanically alloyed Co ₃₀ Ag ₇₀ . <i>Journal of Applied Physics</i> , 1994, 75, 6921-6923.	1.1	8
54	Thermal conductivity of a giant magnetoresistive mechanical alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 493-494.	1.0	8

#	ARTICLE	IF	CITATIONS
55	Serial postmortem relaxometry in the normal rat brain and following stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 469-475.	1.9	8
56	Comparative imaging study in ultrasound, MRI, CT, and DSA using a multimodality renal artery phantom. <i>Medical Physics</i> , 2011, 38, 565-573.	1.6	8
57	A novel anthropomorphic flow phantom for the quantitative evaluation of prostate DCE-MRI acquisition techniques. <i>Physics in Medicine and Biology</i> , 2016, 61, 7466-7483.	1.6	8
58	Pilot Investigation into the Use of an Anthropomorphic Breast Sonography Phantom as a Training and Assessment Tool. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2733-2740.	0.7	8
59	Hydrogenation characteristics and magnetic properties of fine Ni particles coated with Pd. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 403-404.	1.0	6
60	Whole-Body MR Imaging in a Multimodality World: Current Applications, Limitations, and Future Potential for Comprehensive Musculoskeletal Imaging. <i>Seminars in Musculoskeletal Radiology</i> , 2010, 14, 014-021.	0.4	6
61	Magnetic Resonance Safety in the 7T Environment. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2020, 28, 573-582.	0.6	6
62	The development of ultra-high field MRI guidance technology for neuronavigation. <i>Journal of Neurosurgery</i> , 2022, 137, 1265-1277.	0.9	6
63	Continuous-Wave NMR Imaging in the Solid State. <i>Annual Reports on NMR Spectroscopy</i> , 2005, 56, 97-140.	0.7	5
64	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> , 2019, 96, 48-54.	2.1	5
65	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> , 2019, 50, 1534-1544.	1.9	5
66	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> , 2018, 48, 1691-1705.	1.2	4
67	Higher temporal resolution multiband fMRI provides improved presurgical language maps. <i>Neuroradiology</i> , 2021, 63, 439-445.	1.1	4
68	7T MR Thermometry technique for validation of system-predicted SAR with a home-built radiofrequency wrist coil. <i>Medical Physics</i> , 2021, 48, 781-790.	1.6	3
69	The utility of deformable image registration for small artery visualisation in contrast-enhanced whole body MR angiography. <i>Physica Medica</i> , 2014, 30, 898-908.	0.4	2
70	Comparison of in-house development cylindrical and spherical anechoic target phantoms for performance testing of breast ultrasound scanners. <i>Physica Medica</i> , 2014, 30, 718.	0.4	2
71	DCE-MRI protocol for constraining absolute pharmacokinetic modeling errors within specific accuracy limits. <i>Medical Physics</i> , 2019, 46, 3592-3602.	1.6	1
72	Optimisation of the transmit beam parameters for generation of subharmonic signals in native and altered populations of a commercial microbubble contrast agent SonoVue®. <i>Physica Medica</i> , 2020, 70, 176-183.	0.4	1

#	ARTICLE	IF	CITATIONS
73	How can sodium MRI techniques help us understand acute stroke?. <i>Imaging in Medicine</i> , 2012, 4, 367-379.	0.0	1
74	1404: Characterisation of New Tissue Mimicking Materials for Breast Ultrasound Phantoms. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, S209.	0.7	0
75	Magnetic Resonance Angiography of Abdominal Vessels at 3 T. <i>Topics in Magnetic Resonance Imaging</i> , 2010, 21, 189-197.	0.7	0
76	Sa1205 Staging of Esophageal Cancer Efficacy of - Whole Body MRI Compared to the Gold Standard Whole Body 18F-FDG PET/CT?. <i>Gastroenterology</i> , 2012, 142, S-243.	0.6	0
77	Effect on diagnostic image quality of 3D warping registration algorithms for MR angiography in the lower legs. <i>Physica Medica</i> , 2012, 28, 335.	0.4	0
78	Effect of ROI Selection on Pharmacokinetic parameter outputs from DCE-MRI in the prostate. <i>Physica Medica</i> , 2013, 29, 568-569.	0.4	0
79	Evaluation of a novel susceptibility weighted imaging MRI sequence for neonate brain scanning. <i>Physica Medica</i> , 2014, 30, 719.	0.4	0
80	A review of dynamic contrast enhanced MRI for the diagnosis of prostate cancer. <i>Physica Medica</i> , 2014, 30, 721.	0.4	0
81	A study of the feasibility and reproducibility of measuring blood perfusion in the kidney using MRI without a contrast agent. <i>Physica Medica</i> , 2016, 32, 414.	0.4	0
82	A flow phantom for the quantitative validation of DCE-MRI techniques. <i>Physica Medica</i> , 2016, 32, 417.	0.4	0
83	Rapid prototyping: Offering new opportunities in phantom design and construction. <i>Physica Medica</i> , 2016, 32, 427.	0.4	0
84	Threshold-based parametric analysis of diffusion-weighted magnetic resonance imaging at 3.0 Tesla to identify men with prostate cancer. <i>Advances in Modern Oncology Research</i> , 2015, 1, .	0.1	0