

Ashley D Harris

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

3,647
citations

201575

27
h-index

161767

54
g-index

85
all docs

85
docs citations

85
times ranked

3831
citing authors

#	ARTICLE	IF	CITATIONS
1	Gannet: A batch-processing tool for the quantitative analysis of gamma-aminobutyric acid-edited MR spectroscopy spectra. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1445-1452.	1.9	487
2	Tissue correction for GABA-edited MRS: Considerations of voxel composition, tissue segmentation, and tissue relaxations. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1431-1440.	1.9	239
3	Preprocessing, analysis and quantification in single-voxel magnetic resonance spectroscopy: experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4257.	1.6	196
4	Reduced GABA and altered somatosensory function in children with autism spectrum disorder. <i>Autism Research</i> , 2017, 10, 608-619.	2.1	174
5	Edited ¹ H magnetic resonance spectroscopy in vivo: Methods and metabolites. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1377-1389.	1.9	144
6	Big GABA: Edited MR spectroscopy at 24 research sites. <i>NeuroImage</i> , 2017, 159, 32-45.	2.1	143
7	Measurement of OEF and absolute CMRO ₂ : MRI-based methods using interleaved and combined hypercapnia and hyperoxia. <i>NeuroImage</i> , 2013, 83, 135-147.	2.1	133
8	Frontal Gamma-Aminobutyric Acid Concentrations Are Associated With Cognitive Performance in Older Adults. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 38-44.	1.1	125
9	Robustly measuring vascular reactivity differences with breath-hold: Normalising stimulus-evoked and resting state BOLD fMRI data. <i>NeuroImage</i> , 2011, 54, 369-379.	2.1	120
10	Reduced GABAergic inhibition and abnormal sensory symptoms in children with Tourette syndrome. <i>Journal of Neurophysiology</i> , 2015, 114, 808-817.	0.9	117
11	Impact of frequency drift on gamma-aminobutyric acid-edited MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 941-948.	1.9	100
12	Spectral-editing measurements of GABA in the human brain with and without macromolecule suppression. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1523-1529.	1.9	78
13	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. <i>NeuroImage</i> , 2019, 191, 537-548.	2.1	76
14	Prospective frequency correction for macromolecule-suppressed GABA editing at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1474-1482.	1.9	74
15	Simultaneous edited MRS of GABA and glutathione. <i>NeuroImage</i> , 2016, 142, 576-582.	2.1	73
16	Age-related changes in anterior cingulate cortex glutamate in schizophrenia: A 1H MRS Study at 7Tesla. <i>Schizophrenia Research</i> , 2016, 172, 101-105.	1.1	67
17	Is High Blood Pressure Self-Protection for the Brain?. <i>Circulation Research</i> , 2016, 119, e140-e151.	2.0	66
18	Opposite Dynamics of GABA and Glutamate Levels in the Occipital Cortex during Visual Processing. <i>Journal of Neuroscience</i> , 2018, 38, 9967-9976.	1.7	59

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19	Impact of tissue correction strategy on GABA-edited MRS findings. <i>NeuroImage</i> , 2017, 162, 249-256.	2.1	54
20	GABA and Glutamate in Children with Primary Complex Motor Stereotypies: An ¹ H-MRS Study at 7T. <i>American Journal of Neuroradiology</i> , 2016, 37, 552-557.	1.2	43
21	A pilot study of hippocampal N-acetyl-aspartate in youth with treatment resistant major depression. <i>Journal of Affective Disorders</i> , 2017, 207, 110-113.	2.0	40
22	Designing GABA-edited magnetic resonance spectroscopy studies: Considerations of scan duration, signal-to-noise ratio and sample size. <i>Journal of Neuroscience Methods</i> , 2018, 303, 86-94.	1.3	40
23	Multi-Regional Investigation of the Relationship between Functional MRI Blood Oxygenation Level Dependent (BOLD) Activation and GABA Concentration. <i>PLoS ONE</i> , 2015, 10, e0117531.	1.1	37
24	A comparison of images generated from diffusion-weighted and diffusion-tensor imaging data in hyper-acute stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 193-200.	1.9	35
25	Cerebral blood flow response to acute hypoxic hypoxia. <i>NMR in Biomedicine</i> , 2013, 26, 1844-1852.	1.6	33
26	Altered tactile sensitivity in children with attention-deficit hyperactivity disorder. <i>Journal of Neurophysiology</i> , 2017, 118, 2568-2578.	0.9	33
27	Psychostimulant drug effects on glutamate, Glx, and creatine in the anterior cingulate cortex and subjective response in healthy humans. <i>Neuropsychopharmacology</i> , 2018, 43, 1498-1509.	2.8	33
28	The clinical utility of proton magnetic resonance spectroscopy in traumatic brain injury: recommendations from the ENIGMA MRS working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 504-525.	1.1	32
29	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. <i>Radiology</i> , 2020, 295, 171-180.	3.6	31
30	Pulsed arterial spin labeling perfusion imaging at 3 T: estimating the number of subjects required in common designs of clinical trials. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1382-1389.	1.0	30
31	Reductions in GABA following a tDCS-language intervention for primary progressive aphasia. <i>Neurobiology of Aging</i> , 2019, 79, 75-82.	1.5	30
32	Effect of b value on contrast during diffusion-weighted magnetic resonance imaging assessment of acute ischemic stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 591-596.	1.9	29
33	Frequency and phase correction for multiplexed edited MRS of GABA and glutathione. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 21-28.	1.9	29
34	Edited MRS is sensitive to changes in lactate concentration during inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 320-325.	1.9	28
35	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	2.1	28
36	Echo time optimization for J-difference editing of glutathione at 3T. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 498-504.	1.9	27

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37	Region-specific elevations of glutamate + glutamine correlate with the sensory symptoms of autism spectrum disorders. <i>Translational Psychiatry</i> , 2021, 11, 411.	2.4	27
38	In vivo Glx and Glu measurements from GABA-edited MRS at 3 T. <i>NMR in Biomedicine</i> , 2021, 34, e4245.	1.6	26
39	Diffusion and Perfusion MR Imaging of Acute Ischemic Stroke. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2009, 17, 291-313.	0.6	24
40	Harmonization of multi-site MRS data with ComBat. <i>NeuroImage</i> , 2022, 257, 119330.	2.1	23
41	Voxel Placement Precision for GABA-Edited Magnetic Resonance Spectroscopy. <i>Open Journal of Radiology</i> , 2017, 07, 35-44.	0.1	22
42	A Functional Magnetic Resonance Imaging Study to Investigate the Utility of a Picture Imagination Task in Investigating Neural Responses in Patients with Chronic Musculoskeletal Pain to Daily Physical Activity Photographs. <i>PLoS ONE</i> , 2015, 10, e0141133.	1.1	20
43	Proton spectroscopy study of the dorsolateral prefrontal cortex in youth with familial depression. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 269-277.	1.0	20
44	Spectroscopic biomarkers of motor cortex developmental plasticity in hemiparetic children after perinatal stroke. <i>Human Brain Mapping</i> , 2017, 38, 1574-1587.	1.9	20
45	Improving symptom burden in adults with persistent post-concussive symptoms: a randomized aerobic exercise trial protocol. <i>BMC Neurology</i> , 2020, 20, 46.	0.8	20
46	GABA and glutamate in pediatric migraine. <i>Pain</i> , 2021, 162, 300-308.	2.0	20
47	Macromolecule-suppressed GABA measurements correlate more strongly with behavior than macromolecule-contaminated GABA+ measurements. <i>Brain Research</i> , 2018, 1701, 204-211.	1.1	19
48	Temporal dynamics of lactate concentration in the human brain during acute inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 739-745.	1.9	18
49	Changes in spectroscopic biomarkers after transcranial direct current stimulation in children with perinatal stroke. <i>Brain Stimulation</i> , 2018, 11, 94-103.	0.7	18
50	Relationship between GABA levels and task-dependent cortical excitability in children with attention-deficit/hyperactivity disorder. <i>Clinical Neurophysiology</i> , 2021, 132, 1163-1172.	0.7	18
51	Evolution of hyperacute stroke over 6 hours using serial MR perfusion and diffusion maps. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1262-1270.	1.9	16
52	Normalizing data from GABA-edited MEGA-PRESS implementations at 3 Tesla. <i>Magnetic Resonance Imaging</i> , 2017, 42, 8-15.	1.0	15
53	Control of end-tidal PCO ₂ reduces middle cerebral artery blood velocity variability: Implications for physiological neuroimaging. <i>NeuroImage</i> , 2006, 29, 1272-1277.	2.1	14
54	Effects of Transcranial Direct Current Stimulation on GABA and Glx in Children: A pilot study. <i>PLoS ONE</i> , 2020, 15, e0222620.	1.1	14

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55	The neurobiology of wellness: 1H-MRS correlates of agency, flexibility and neuroaffective reserves in healthy young adults. <i>NeuroImage</i> , 2021, 225, 117509.	2.1	14
56	Macromolecule suppressed GABA levels show no relationship with age in a pediatric sample. <i>Scientific Reports</i> , 2021, 11, 722.	1.6	14
57	Tactile cortical responses and association with tactile reactivity in young children on the autism spectrum. <i>Molecular Autism</i> , 2021, 12, 26.	2.6	14
58	MRI of ischemic stroke in canines: Applications for monitoring intraarterial thrombolysis. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1421-1428.	1.9	12
59	GABA Levels in Left and Right Sensorimotor Cortex Correlate across Individuals. <i>Biomedicines</i> , 2018, 6, 80.	1.4	12
60	N-Acetyl-Aspartate in the Dorsolateral Prefrontal Cortex Long After Concussion in Youth. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, E127-E135.	1.0	12
61	The effect of movie-watching on electroencephalographic responses to tactile stimulation. <i>NeuroImage</i> , 2020, 220, 117130.	2.1	11
62	Assessment of pulmonary artery pulse wave velocity in children: An MRI pilot study. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1690-1694.	1.0	10
63	Neural responses to a modified Stroop paradigm in patients with complex chronic musculoskeletal pain compared to matched controls: an experimental functional magnetic resonance imaging study. <i>BMC Psychology</i> , 2016, 4, 5.	0.9	10
64	Intermittent Theta-Burst Stimulation Transcranial Magnetic Stimulation Increases GABA in the Medial Prefrontal Cortex: A Preliminary Sham-Controlled Magnetic Resonance Spectroscopy Study in Acute Bipolar Depression. <i>Frontiers in Psychiatry</i> , 2021, 12, 665402.	1.3	10
65	Atypical Tactile Perception in Early Childhood Autism. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 2891-2904.	1.7	10
66	Repetitive Transcranial Magnetic Stimulation-Associated Changes in Neocortical Metabolites in Major Depression: A Systematic Review. <i>NeuroImage: Clinical</i> , 2022, 35, 103049.	1.4	10
67	Co-registration of magnetic resonance spectroscopy and transcranial magnetic stimulation. <i>Journal of Neuroscience Methods</i> , 2015, 242, 52-57.	1.3	9
68	Retrograde blood flow in the internal jugular veins of humans with hypertension may have implications for cerebral arterial blood flow. <i>European Radiology</i> , 2020, 30, 3890-3899.	2.3	8
69	Age-related parietal γ -GABA alterations in children with autism spectrum disorder. <i>Autism Research</i> , 2021, 14, 859-872.	2.1	8
70	Age-related differences in resting state functional connectivity in pediatric migraine. <i>Journal of Headache and Pain</i> , 2021, 22, 65.	2.5	7
71	Effects of eddy currents on selective spectral editing experiments at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 673-681.	1.9	6
72	In vivo Assessment of Human Brainstem Cerebrovascular Function: A Multi-Inversion Time Pulsed Arterial Spin Labelling Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 956-963.	2.4	5

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73	Magnetic Resonance Imaging in Pediatric Migraine. Canadian Journal of Neurological Sciences, 2019, 46, 653-665.	0.3	5
74	Functional magnetic resonance imaging study of working memory several years after pediatric concussion. Brain Injury, 2020, 34, 895-904.	0.6	4
75	Minimum detectable difference of MR diffusion maps in acute ischemic stroke. Journal of Magnetic Resonance Imaging, 2008, 27, 629-633.	1.9	2
76	Nonlinear age effects in tactile processing from early childhood to adulthood. Brain and Behavior, 2022, 12, .	1.0	2