Ashley D Harris

List of Publications by Year
in descending order

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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	Atypical Tactile Perception in Early Childhood Autism. Journal of Autism and Developmental Disorders, 2023, 53, 2891-2904.	1.7	10
2	Repetitive Transcranial Magnetic Stimulation-Associated Changes in Neocortical Metabolites in Major Depression: A Systematic Review. NeuroImage: Clinical, 2022, 35, 103049.	1.4	10
3	Harmonization of multi-site MRS data with ComBat. NeuroImage, 2022, 257, 119330.	2.1	23
4	Nonlinear age effects in tactile processing from early childhood to adulthood. Brain and Behavior, 2022, 12, .	1.0	2
5	Preprocessing, analysis and quantification in singleâ€voxel magnetic resonance spectroscopy: experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4257.	1.6	196
6	The neurobiology of wellness: 1H-MRS correlates of agency, flexibility and neuroaffective reserves in healthy young adults. NeuroImage, 2021, 225, 117509.	2.1	14
7	The clinical utility of proton magnetic resonance spectroscopy in traumatic brain injury: recommendations from the ENIGMA MRS working group. Brain Imaging and Behavior, 2021, 15, 504-525.	1.1	32
8	Macromolecule suppressed GABA levels show no relationship with age in a pediatric sample. Scientific Reports, 2021, 11, 722.	1.6	14
9	Ageâ€related parietal <scp>GABA</scp> alterations in children with autism spectrum disorder. Autism Research, 2021, 14, 859-872.	2.1	8
10	Tactile cortical responses and association with tactile reactivity in young children on the autism spectrum. Molecular Autism, 2021, 12, 26.	2.6	14
11	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. Frontiers in Psychiatry, 2021, 12, 665402.	1.3	10
12	Relationship between GABA levels and task-dependent cortical excitability in children with attention-deficit/hyperactivity disorder. Clinical Neurophysiology, 2021, 132, 1163-1172.	0.7	18
13	Age-related differences in resting state functional connectivity in pediatric migraine. Journal of Headache and Pain, 2021, 22, 65.	2.5	7
14	Region-specific elevations of glutamate + glutamine correlate with the sensory symptoms of autism spectrum disorders. Translational Psychiatry, 2021, 11, 411.	2.4	27
15	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	2.1	28
16	In vivo Glx and Glu measurements from GABAâ€edited MRS at 3 T. NMR in Biomedicine, 2021, 34, e4245.	1.6	26
17	GABA and glutamate in pediatric migraine. Pain, 2021, 162, 300-308.	2.0	20
18	Effects of Transcranial Direct Current Stimulation on GABA and Glx in Children: A pilot study. PLoS ONE, 2020, 15, e0222620.	1.1	14

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19	N-Acetyl-Aspartate in the Dorsolateral Prefrontal Cortex Long After Concussion in Youth. Journal of Head Trauma Rehabilitation, 2020, 35, E127-E135.	1.0	12
20	Functional magnetic resonance imaging study of working memory several years after pediatric concussion. Brain Injury, 2020, 34, 895-904.	0.6	4
21	Retrograde blood flow in the internal jugular veins of humans with hypertension may have implications for cerebral arterial blood flow. European Radiology, 2020, 30, 3890-3899.	2.3	8
22	The effect of movie-watching on electroencephalographic responses to tactile stimulation. NeuroImage, 2020, 220, 117130.	2.1	11
23	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. Radiology, 2020, 295, 171-180.	3.6	31
24	Improving symptom burden in adults with persistent post-concussive symptoms: a randomized aerobic exercise trial protocol. BMC Neurology, 2020, 20, 46.	0.8	20
25	Magnetic Resonance Imaging in Pediatric Migraine. Canadian Journal of Neurological Sciences, 2019, 46, 653-665.	0.3	5
26	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. NeuroImage, 2019, 191, 537-548.	2.1	76
27	Reductions in GABA following a tDCS-language intervention for primary progressive aphasia. Neurobiology of Aging, 2019, 79, 75-82.	1.5	30
28	Psychostimulant drug effects on glutamate, Glx, and creatine in the anterior cingulate cortex and subjective response in healthy humans. Neuropsychopharmacology, 2018, 43, 1498-1509.	2.8	33
29	Designing GABA-edited magnetic resonance spectroscopy studies: Considerations of scan duration, signal-to-noise ratio and sample size. Journal of Neuroscience Methods, 2018, 303, 86-94.	1.3	40
30	Frequency and phase correction for multiplexed edited MRS of GABA and glutathione. Magnetic Resonance in Medicine, 2018, 80, 21-28.	1.9	29
31	Effects of eddy currents on selective spectral editing experiments at 3T. Journal of Magnetic Resonance Imaging, 2018, 47, 673-681.	1.9	6
32	Changes in spectroscopic biomarkers after transcranial direct current stimulation in children with perinatal stroke. Brain Stimulation, 2018, 11, 94-103.	0.7	18
33	Macromolecule-suppressed GABA measurements correlate more strongly with behavior than macromolecule-contaminated GABA+â€¯measurements. Brain Research, 2018, 1701, 204-211.	1.1	19
34	Opposite Dynamics of GABA and Glutamate Levels in the Occipital Cortex during Visual Processing. Journal of Neuroscience, 2018, 38, 9967-9976.	1.7	59
35	GABA Levels in Left and Right Sensorimotor Cortex Correlate across Individuals. Biomedicines, 2018, 6, 80.	1.4	12
36	Echo time optimization for Jâ€difference editing of glutathione at 3T. Magnetic Resonance in Medicine, 2017, 77, 498-504.	1.9	27

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37	Edited¹H magnetic resonance spectroscopy in vivo: Methods and metabolites. Magnetic Resonance in Medicine, 2017, 77, 1377-1389.	1.9	144
38	Normalizing data from GABA-edited MEGA-PRESS implementations at 3 Tesla. Magnetic Resonance Imaging, 2017, 42, 8-15.	1.0	15
39	Impact of tissue correction strategy on GABA-edited MRS findings. NeuroImage, 2017, 162, 249-256.	2.1	54
40	Big GABA: Edited MR spectroscopy at 24 research sites. NeuroImage, 2017, 159, 32-45.	2.1	143
41	Altered tactile sensitivity in children with attention-deficit hyperactivity disorder. Journal of Neurophysiology, 2017, 118, 2568-2578.	0.9	33
42	Spectroscopic biomarkers of motor cortex developmental plasticity in hemiparetic children after perinatal stroke. Human Brain Mapping, 2017, 38, 1574-1587.	1.9	20
43	Reduced GABA and altered somatosensory function in children with autism spectrum disorder. Autism Research, 2017, 10, 608-619.	2.1	174
44	Frontal Gamma-Aminobutyric Acid Concentrations Are Associated With Cognitive Performance in Older Adults. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 38-44.	1.1	125
45	A pilot study of hippocampal N-acetyl-aspartate in youth with treatment resistant major depression. Journal of Affective Disorders, 2017, 207, 110-113.	2.0	40
46	Voxel Placement Precision for GABA-Edited Magnetic Resonance Spectroscopy. Open Journal of Radiology, 2017, 07, 35-44.	0.1	22
47	Proton spectroscopy study of the dorsolateral prefrontal cortex in youth with familial depression. Psychiatry and Clinical Neurosciences, 2016, 70, 269-277.	1.0	20
48	Prospective frequency correction for macromolecule-suppressed GABA editing at 3T. Journal of Magnetic Resonance Imaging, 2016, 44, 1474-1482.	1.9	74
49	Is High Blood Pressure Self-Protection for the Brain?. Circulation Research, 2016, 119, e140-e151.	2.0	66
50	Simultaneous edited MRS of GABA and glutathione. NeuroImage, 2016, 142, 576-582.	2.1	73
51	Age-related changes in anterior cingulate cortex glutamate in schizophrenia: A 1H MRS Study at 7Tesla. Schizophrenia Research, 2016, 172, 101-105.	1.1	67
52	GABA and Glutamate in Children with Primary Complex Motor Stereotypies: An¹H-MRS Study at 7T. American Journal of Neuroradiology, 2016, 37, 552-557.	1.2	43
53	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. BMC Psychology, 2016, 4, 5.	0.9	10
54	Spectral-editing measurements of GABA in the human brain with and without macromolecule suppression. Magnetic Resonance in Medicine, 2015, 74, 1523-1529.	1.9	78

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55	Tissue correction for GABAâ€edited MRS: Considerations of voxel composition, tissue segmentation, and tissue relaxations. Journal of Magnetic Resonance Imaging, 2015, 42, 1431-1440.	1.9	239
56	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. PLoS ONE, 2015, 10, e0141133.	1.1	20
57	Co-registration of magnetic resonance spectroscopy and transcranial magnetic stimulation. Journal of Neuroscience Methods, 2015, 242, 52-57.	1.3	9
58	Reduced GABAergic inhibition and abnormal sensory symptoms in children with Tourette syndrome. Journal of Neurophysiology, 2015, 114, 808-817.	0.9	117
59	Multi-Regional Investigation of the Relationship between Functional MRI Blood Oxygenation Level Dependent (BOLD) Activation and GABA Concentration. PLoS ONE, 2015, 10, e0117531.	1.1	37
60	Gannet: A batchâ€processing tool for the quantitative analysis of gammaâ€aminobutyric acidâ€“edited MR spectroscopy spectra. Journal of Magnetic Resonance Imaging, 2014, 40, 1445-1452.	1.9	487
61	Impact of frequency drift on gamma-aminobutyric acid-edited MR spectroscopy. Magnetic Resonance in Medicine, 2014, 72, 941-948.	1.9	100
62	In vivo Assessment of Human Brainstem Cerebrovascular Function: A Multi-Inversion Time Pulsed Arterial Spin Labelling Study. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 956-963.	2.4	5
63	Temporal dynamics of lactate concentration in the human brain during acute inspiratory hypoxia. Journal of Magnetic Resonance Imaging, 2013, 37, 739-745.	1.9	18
64	Measurement of OEF and absolute CMRO2: MRI-based methods using interleaved and combined hypercapnia and hyperoxia. NeuroImage, 2013, 83, 135-147.	2.1	133
65	Assessment of pulmonary artery pulse wave velocity in children: An MRI pilot study. Magnetic Resonance Imaging, 2013, 31, 1690-1694.	1.0	10
66	Cerebral blood flow response to acute hypoxic hypoxia. NMR in Biomedicine, 2013, 26, 1844-1852.	1.6	33
67	Robustly measuring vascular reactivity differences with breath-hold: Normalising stimulus-evoked and resting state BOLD fMRI data. NeuroImage, 2011, 54, 369-379.	2.1	120
68	Pulsed arterial spin labeling perfusion imaging at 3 T: estimating the number of subjects required in common designs of clinical trials. Magnetic Resonance Imaging, 2011, 29, 1382-1389.	1.0	30
69	Edited MRS is sensitive to changes in lactate concentration during inspiratory hypoxia. Journal of Magnetic Resonance Imaging, 2010, 32, 320-325.	1.9	28
70	Evolution of hyperacute stroke over 6 hours using serial MR perfusion and diffusion maps. Journal of Magnetic Resonance Imaging, 2009, 29, 1262-1270.	1.9	16
71	Diffusion and Perfusion MR Imaging of Acute Ischemic Stroke. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 291-313.	0.6	24
72	Minimum detectable difference of MR diffusion maps in acute ischemic stroke. Journal of Magnetic Resonance Imaging, 2008, 27, 629-633.	1.9	2

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73	MRI of ischemic stroke in canines: Applications for monitoring intraarterial thrombolysis. Journal of Magnetic Resonance Imaging, 2007, 26, 1421-1428.	1.9	12
74	Control of end-tidal PCO2 reduces middle cerebral artery blood velocity variability: Implications for physiological neuroimaging. NeuroImage, 2006, 29, 1272-1277.	2.1	14
75	A comparison of images generated from diffusion-weighted and diffusion-tensor imaging data in hyper-acute stroke. Journal of Magnetic Resonance Imaging, 2004, 20, 193-200.	1.9	35
76	Effect ofb value on contrast during diffusion-weighted magnetic resonance imaging assessment of acute ischemic stroke. Journal of Magnetic Resonance Imaging, 2002, 15, 591-596.	1.9	29