

# Alexander P Lin

## List of Publications by Year in descending order

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58  
papers

3,076  
citations

201674

27  
h-index

168389

53  
g-index

61  
all docs

61  
docs citations

61  
times ranked

5494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Proton MR Spectroscopy in Central Nervous System Disorders. <i>Radiology</i> , 2014, 270, 658-679.	7.3	524
2	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
3	Methodological consensus on clinical proton MRS of the brain: Review and recommendations. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 527-550.	3.0	280
4	Age at First Exposure to Football Is Associated with Altered Corpus Callosum White Matter Microstructure in Former Professional Football Players. <i>Journal of Neurotrauma</i> , 2015, 32, 1768-1776.	3.4	150
5	Altered Neurochemistry in Former Professional Soccer Players without a History of Concussion. <i>Journal of Neurotrauma</i> , 2015, 32, 1287-1293.	3.4	131
6	Cortical thinning in former professional soccer players. <i>Brain Imaging and Behavior</i> , 2016, 10, 792-798.	2.1	115
7	Reduced glutamate neurotransmission in patients with Alzheimer's disease?an in vivo <sup>13</sup> C magnetic resonance spectroscopy study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2003, 16, 29-42.	2.0	107
8	A Review of Neuroimaging Findings in Repetitive Brain Trauma. <i>Brain Pathology</i> , 2015, 25, 318-349.	4.1	107
9	Clinical appraisal of chronic traumatic encephalopathy. <i>Current Opinion in Neurology</i> , 2011, 24, 525-531.	3.6	93
10	Skeletal muscle oxidative metabolism in sedentary humans: <sup>31</sup> P-MRS assessment of O <sub>2</sub> supply and demand limitations. <i>Journal of Applied Physiology</i> , 2004, 97, 1077-1081.	2.5	77
11	Age at First Exposure to Repetitive Head Impacts Is Associated with Smaller Thalamic Volumes in Former Professional American Football Players. <i>Journal of Neurotrauma</i> , 2018, 35, 278-285.	3.4	76
12	Changes in the neurochemistry of athletes with repetitive brain trauma: preliminary results using localized correlated spectroscopy. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 13.	6.2	63
13	Advanced neuroimaging applied to veterans and service personnel with traumatic brain injury: state of the art and potential benefits. <i>Brain Imaging and Behavior</i> , 2015, 9, 367-402.	2.1	63
14	Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. <i>NeuroImage: Clinical</i> , 2018, 17, 642-649.	2.7	62
15	White matter signal abnormalities in former National Football League players. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 56-65.	2.4	57
16	Neuroimaging in repetitive brain trauma. <i>Alzheimer's Research and Therapy</i> , 2014, 6, 10.	6.2	49
17	Sex-Related Differences in the Effects of Sports-Related Concussion: A Review. <i>Journal of Neuroimaging</i> , 2020, 30, 387-409.	2.0	48
18	A magnetic resonance spectroscopy investigation in symptomatic former NFL players. <i>Brain Imaging and Behavior</i> , 2020, 14, 1419-1429.	2.1	39

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19	Short-Echo Time Proton MR Spectroscopy in the Presence of Gadolinium. Journal of Computer Assisted Tomography, 2001, 25, 705-712.	0.9	36
20	Use of in Vivo Two-dimensional MR Spectroscopy to Compare the Biochemistry of the Human Brain to That of Glioblastoma. Radiology, 2011, 259, 540-549.	7.3	36
21	MR Spectroscopy Findings in Retired Professional Rugby League Players. International Journal of Sports Medicine, 2017, 38, 241-252.	1.7	35
22	Automated versus manual segmentation of brain region volumes in former football players. NeuroImage: Clinical, 2018, 18, 888-896.	2.7	35
23	Limbic system structure volumes and associated neurocognitive functioning in former NFL players. Brain Imaging and Behavior, 2019, 13, 725-734.	2.1	35
24	<scp>ENIGMA</scp> brain injury: Framework, challenges, and opportunities. Human Brain Mapping, 2022, 43, 149-166.	3.6	33
25	Combination of Clinical Exam, MRI and EEG to Predict Outcome Following Cardiac Arrest and Targeted Temperature Management. Neurocritical Care, 2018, 29, 396-403.	2.4	32
26	Diagnostic accuracy of 2-hydroxyglutarate magnetic resonance spectroscopy in newly diagnosed brain mass and suspected recurrent gliomas. Neuro-Oncology, 2018, 20, 1262-1271.	1.2	31
27	Metabolic Effects of Betaine: A Randomized Clinical Trial of Betaine Supplementation in Prediabetes. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3038-3049.	3.6	30
28	Developing methods to detect and diagnose chronic traumatic encephalopathy during life: rationale, design, and methodology for the DIAGNOSE CTE Research Project. Alzheimer's Research and Therapy, 2021, 13, 136.	6.2	30
29	MR Spectroscopy in Diagnosis and Neurological Decision-Making. Seminars in Neurology, 2008, 28, 407-422.	1.4	27
30	Fast volumetric spatial-spectral MR imaging of hyperpolarized <sup>13</sup> C-labeled compounds using multiple echo 3D bSSFP. Magnetic Resonance Imaging, 2010, 28, 459-465.	1.8	27
31	A phase I, open label, perioperative study of AG-120 and AG-881 in recurrent IDH1 mutant, low-grade glioma: Results from cohort 1.. Journal of Clinical Oncology, 2019, 37, 2003-2003.	1.6	25
32	Impact of evidence-based medicine on magnetic resonance spectroscopy. NMR in Biomedicine, 2006, 19, 476-483.	2.8	24
33	Correcting for Frequency Drift in Clinical Brain MR Spectroscopy. Journal of Neuroimaging, 2017, 27, 23-28.	2.0	21
34	A global collaboration to study intimate partner violence-related head trauma: The ENIGMA consortium IPV working group. Brain Imaging and Behavior, 2021, 15, 475-503.	2.1	21
35	Neuro-Metabolite Changes in a Single Season of University Ice Hockey Using Magnetic Resonance Spectroscopy. Frontiers in Neurology, 2018, 9, 616.	2.4	19
36	Dual-Task Gait Recovery after Concussion among Female and Male Collegiate Athletes. Medicine and Science in Sports and Exercise, 2020, 52, 1015-1021.	0.4	17

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37	Tai Chi Improves Brain Metabolism and Muscle Energetics in Older Adults. <i>Journal of Neuroimaging</i> , 2018, 28, 359-364.	2.0	14
38	Interactive Effects of Racial Identity and Repetitive Head Impacts on Cognitive Function, Structural MRI-Derived Volumetric Measures, and Cerebrospinal Fluid Tau and A $\beta$ 2. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 440.	2.0	14
39	Improved Measurement of Brain Phenylalanine and Tyrosine Related to Neuropsychological Functioning in Phenylketonuria. <i>JIMD Reports</i> , 2016, 34, 77-86.	1.5	13
40	A retrospective study of adult patients with noncirrhotic hyperammonemia. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1165-1172.	3.6	12
41	Magnetic Resonance Imaging (MRI) and Spectroscopy in Succinic Semialdehyde Dehydrogenase Deficiency. <i>Journal of Child Neurology</i> , 2021, 36, 1162-1168.	1.4	12
42	Associations Between Neurochemistry and Gait Performance Following Concussion in Collegiate Athletes. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, 342-353.	1.7	11
43	Age at First Exposure to Tackle Football is Associated with Cortical Thickness in Former Professional American Football Players. <i>Cerebral Cortex</i> , 2021, 31, 3426-3434.	2.9	11
44	Translational neuroimaging in mild traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2022, 100, 1201-1217.	2.9	11
45	Brain MRS glutamine as a biomarker to guide therapy of hyperammonemic coma. <i>Molecular Genetics and Metabolism</i> , 2017, 121, 9-15.	1.1	8
46	The ENIGMA sports injury working group: an international collaboration to further our understanding of sport-related brain injury. <i>Brain Imaging and Behavior</i> , 2021, 15, 576-584.	2.1	8
47	Exposure to Repetitive Head Impacts Is Associated With Corpus Callosum Microstructure and Plasma Total Tau in Former Professional American Football Players. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1819-1829.	3.4	7
48	Spectral improvement by fourier thresholding of in vivo dynamic spectroscopy data. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 978-985.	3.0	6
49	REPIMPACT - a prospective longitudinal multisite study on the effects of repetitive head impacts in youth soccer. <i>Brain Imaging and Behavior</i> , 2022, 16, 492-502.	2.1	6
50	Whole-Brain MR Spectroscopy Imaging of Brain Tumor Metabolites. <i>Radiology</i> , 2020, 294, 598-599.	7.3	5
51	Magnetic Resonance Spectroscopy of Hypoxic-Ischemic Encephalopathy After Cardiac Arrest. <i>Neurology</i> , 2022, 98, .	1.1	5
52	Longitudinal changes in COVID-19 clinical measures and correlation with the extent of CT lung abnormalities. <i>International Journal of Medical Sciences</i> , 2021, 18, 1277-1284.	2.5	4
53	Virtual Biopsy: Distinguishing Post-traumatic Stress from Mild Traumatic Brain Injury Using Magnetic Resonance Spectroscopy. , 2017, , .		2
54	Overcoming Technical Challenges of MR Spectroscopy in Chronic Spinal Cord Injury. <i>Radiology</i> , 2019, 291, 139-140.	7.3	2

#	ARTICLE	IF	CITATIONS
55	Shimming—the forgotten child of in-vivo MR?. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 179-181.	2.0	1
56	Clinical utility of brain MRS imaging of patients with adult-onset non-cirrhotic hyperammonemia. Molecular Genetics and Metabolism Reports, 2021, 27, 100742.	1.1	1
57	Perceived Stress, Cortical GABA, and Functional Connectivity Correlates: A Hypothesis-Generating Preliminary Study. Frontiers in Psychiatry, 2022, 13, 802449.	2.6	1
58	Quantifying and Examining Reserve in Symptomatic Former National Football League Players. Journal of Alzheimer's Disease, 2021, , 1-15.	2.6	0