

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.

43 papers	1,185 citations	20 h-index	34 g-index
44 ext. papers	1,503 ext. citations	6.2 avg, IF	4.22 L-index

#	Paper	IF	Citations
43	Mitochondrial dysfunction, oxidative stress, neuroinflammation, and metabolic alterations in the progression of Alzheimer's disease: A meta-analysis of in vivo magnetic resonance spectroscopy studies. <i>Ageing Research Reviews</i> , <b>2021</b> , 72, 101503	12	10
42	Reduced adaptation of glutamatergic stress response is associated with pessimistic expectations in depression. <i>Nature Communications</i> , <b>2021</b> , 12, 3166	17.4	4
41	778 Poor Sleep Quality is Associated with Reduced Myelination in Patients with Psychotic Disorders. <i>Sleep</i> , <b>2021</b> , 44, A303-A303	1.1	
40	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level: A Mega-analysis of Individual Participant-Level Data. <i>JAMA Psychiatry</i> , <b>2021</b> , 78, 667-681	14.5	21
39	N-acetylaspartate concentration in psychotic disorders: T2-relaxation effects. <i>Schizophrenia Research</i> , <b>2021</b> , 232, 42-44	3.6	2
38	Mapping Disease Course Across the Mood Disorder Spectrum Through a Research Domain Criteria Framework. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2021</b> , 6, 706-715	3.4	2
37	Repeatability and reliability of GABA measurements with magnetic resonance spectroscopy in healthy young adults. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2359-2369	4.4	3
36	Abnormal Brain Bioenergetics in First-Episode Psychosis. <i>Schizophrenia Bulletin Open</i> , <b>2021</b> , 2, sgaa073	2.2	1
35	Bioenergetics and abnormal functional connectivity in psychotic disorders. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 2483-2492	15.1	2
34	Reductions in rostral anterior cingulate GABA are associated with stress circuitry in females with major depression: a multimodal imaging investigation. <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 2188-2196	8.7	0
33	The structural basis for interhemispheric functional connectivity: Evidence from individuals with agenesis of the corpus callosum. <i>NeuroImage: Clinical</i> , <b>2020</b> , 28, 102425	5.3	5
32	White Matter Measures and Cognition in Schizophrenia. <i>Frontiers in Psychiatry</i> , <b>2020</b> , 11, 603	5	1
31	Role of glia in prefrontal white matter abnormalities in first episode psychosis or mania detected by diffusion tensor spectroscopy. <i>Schizophrenia Research</i> , <b>2019</b> , 209, 64-71	3.6	6
30	Effects of High-Frequency Transcranial Magnetic Stimulation for Cognitive Deficit in Schizophrenia: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 135	5	28
29	Glutamate diffusion in the rat brain in vivo under light and deep anesthesia conditions. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 84-94	4.4	1
28	Transcranial Direct Current Stimulation Improves Cognitive Function in Mild to Moderate Alzheimer Disease: A Meta-Analysis. <i>Alzheimer Disease and Associated Disorders</i> , <b>2019</b> , 33, 170-178	2.5	16
27	Regional GABA Concentrations Modulate Inter-network Resting-state Functional Connectivity. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 1607-1618	5.1	18

26	Antidepressant Effects of Repetitive Transcranial Magnetic Stimulation Over Prefrontal Cortex of Parkinson's Disease Patients With Depression: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 769	5	17
25	Brain lactate and pH in schizophrenia and bipolar disorder: a systematic review of findings from magnetic resonance studies. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 1681-1690	8.7	42
24	Abnormalities in High-Energy Phosphate Metabolism in First-Episode Bipolar Disorder Measured Using P-Magnetic Resonance Spectroscopy. <i>Biological Psychiatry</i> , <b>2018</b> , 84, 797-802	7.9	45
23	Rapid and simultaneous measurement of phosphorus metabolite pool size ratio and reaction kinetics of enzymes in vivo. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 47, 210-221	5.6	5
22	In Vivo Brain Glycine and Glutamate Concentrations in Patients With First-Episode Psychosis Measured by Echo Time-Averaged Proton Magnetic Resonance Spectroscopy at 4T. <i>Biological Psychiatry</i> , <b>2018</b> , 83, 484-491	7.9	22
21	Oligodendrocyte differentiation of induced pluripotent stem cells derived from subjects with schizophrenia implicates abnormalities in development. <i>Translational Psychiatry</i> , <b>2018</b> , 8, 230	8.6	25
20	Brain bioenergetics and redox state measured by P magnetic resonance spectroscopy in unaffected siblings of patients with psychotic disorders. <i>Schizophrenia Research</i> , <b>2017</b> , 187, 11-16	3.6	24
19	Redox Dysregulation in Schizophrenia Revealed by in vivo NAD <sup>+</sup> /NADH Measurement. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, 197-204	1.3	58
18	Posttraumatic Stress Disorder: Structural Characterization with 3-T MR Imaging. <i>Radiology</i> , <b>2016</b> , 280, 537-44	20.5	19
17	Phosphorus magnetic resonance spectroscopy studies in schizophrenia. <i>Journal of Psychiatric Research</i> , <b>2015</b> , 68, 157-66	5.2	20
16	Frontal P3 event-related potential is related to brain glutamine/glutamate ratio measured in vivo. <i>NeuroImage</i> , <b>2015</b> , 111, 186-91	7.9	24
15	Myelin vs axon abnormalities in white matter in bipolar disorder. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 1243-9	8.7	23
14	In vivo evidence for cerebral bioenergetic abnormalities in schizophrenia measured using 31P magnetization transfer spectroscopy. <i>JAMA Psychiatry</i> , <b>2014</b> , 71, 19-27	14.5	68
13	Myelin and axon abnormalities in schizophrenia measured with magnetic resonance imaging techniques. <i>Biological Psychiatry</i> , <b>2013</b> , 74, 451-7	7.9	74
12	Creatine kinase and ATP synthase reaction rates in human frontal lobe measured by 31P magnetization transfer spectroscopy at 4T. <i>Magnetic Resonance Imaging</i> , <b>2013</b> , 31, 102-8	3.3	22
11	Probing myelin and axon abnormalities separately in psychiatric disorders using MRI techniques. <i>Frontiers in Integrative Neuroscience</i> , <b>2013</b> , 7, 24	3.2	18
10	Relayed magnetization transfer from nuclear Overhauser effect and chemical exchange observed by in vivo 31P MRS in rat brain. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 716-21	3.3	5
9	Quantitative imaging of energy expenditure in human brain. <i>NeuroImage</i> , <b>2012</b> , 60, 2107-17	7.9	158

8	Water and metabolite transverse T2 relaxation time abnormalities in the white matter in schizophrenia. <i>Schizophrenia Research</i> , <b>2012</b> , 137, 241-5	3.6	20
7	Simultaneous measurement of glucose blood-brain transport constants and metabolic rate in rat brain using in-vivo <sup>1</sup> H MRS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 1778-87	7.3	9
6	ATP production rate via creatine kinase or ATP synthase in vivo: a novel superfast magnetization saturation transfer method. <i>Circulation Research</i> , <b>2011</b> , 108, 653-63	15.7	44
5	In vivo proton MRS to quantify anesthetic effects of pentobarbital on cerebral metabolism and brain activity in rat. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 62, 1385-93	4.4	28
4	Tightly coupled brain activity and cerebral ATP metabolic rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6409-14	11.5	141
3	New Opportunities for High-Field In Vivo MRS in Studying Brain Bioenergetics and Function. <i>Brain Imaging and Behavior</i> , <b>2008</b> , 2, 232-241	4.1	1
2	Efficient in vivo <sup>31</sup> P magnetization transfer approach for noninvasively determining multiple kinetic parameters and metabolic fluxes of ATP metabolism in the human brain. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 57, 103-14	4.4	94
1	In vivo <sup>31</sup> P MRS of human brain at high/ultrahigh fields: a quantitative comparison of NMR detection sensitivity and spectral resolution between 4 T and 7 T. <i>Magnetic Resonance Imaging</i> , <b>2006</b> , 24, 1281-6	3.3	59