

# Fei Du

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,777  
citations

279487

23  
h-index

276539

41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2543  
citing authors

#	ARTICLE	IF	CITATIONS
1	White Matter Metabolite Relaxation and Diffusion Abnormalities in First-Episode Psychosis: A Longitudinal Study. <i>Schizophrenia Bulletin</i> , 2022, 48, 712-720.	2.3	2
2	Repeatability and reliability of GABA measurements with magnetic resonance spectroscopy in healthy young adults. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2359-2369.	1.9	20
3	Abnormal Brain Bioenergetics in First-Episode Psychosis. <i>Schizophrenia Bulletin Open</i> , 2021, 2, sgaa073.	0.9	7
4	Bioenergetics and abnormal functional connectivity in psychotic disorders. <i>Molecular Psychiatry</i> , 2021, 26, 2483-2492.	4.1	12
5	Reduced adaptation of glutamatergic stress response is associated with pessimistic expectations in depression. <i>Nature Communications</i> , 2021, 12, 3166.	5.8	16
6	778 Poor Sleep Quality is Associated with Reduced Myelination in Patients with Psychotic Disorders. <i>Sleep</i> , 2021, 44, A303-A303.	0.6	0
7	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level. <i>JAMA Psychiatry</i> , 2021, 78, 667.	6.0	72
8	N-acetylaspartate concentration in psychotic disorders: T2-relaxation effects. <i>Schizophrenia Research</i> , 2021, 232, 42-44.	1.1	10
9	Mapping Disease Course Across the Mood Disorder Spectrum Through a Research Domain Criteria Framework. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 706-715.	1.1	10
10	Reductions in rostral anterior cingulate GABA are associated with stress circuitry in females with major depression: a multimodal imaging investigation. <i>Neuropsychopharmacology</i> , 2021, 46, 2188-2196.	2.8	10
11	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> , 2021, 72, 101503.	5.0	84
12	The structural basis for interhemispheric functional connectivity: Evidence from individuals with agenesis of the corpus callosum. <i>NeuroImage: Clinical</i> , 2020, 28, 102425.	1.4	11
13	White Matter Measures and Cognition in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2020, 11, 603.	1.3	9
14	Role of glia in prefrontal white matter abnormalities in first episode psychosis or mania detected by diffusion tensor spectroscopy. <i>Schizophrenia Research</i> , 2019, 209, 64-71.	1.1	9
15	Effects of High-Frequency Transcranial Magnetic Stimulation for Cognitive Deficit in Schizophrenia: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , 2019, 10, 135.	1.3	46
16	Glutamate diffusion in the rat brain in vivo under light and deep anesthesia conditions. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 84-94.	1.9	4
17	Transcranial Direct Current Stimulation Improves Cognitive Function in Mild to Moderate Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2019, 33, 170-178.	0.6	34
18	Regional GABA Concentrations Modulate Inter-network Resting-state Functional Connectivity. <i>Cerebral Cortex</i> , 2019, 29, 1607-1618.	1.6	33

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19	Brain lactate and pH in schizophrenia and bipolar disorder: a systematic review of findings from magnetic resonance studies. <i>Neuropsychopharmacology</i> , 2018, 43, 1681-1690.	2.8	79
20	Abnormalities in High-Energy Phosphate Metabolism in First-Episode Bipolar Disorder Measured Using 31P-Magnetic Resonance Spectroscopy. <i>Biological Psychiatry</i> , 2018, 84, 797-802.	0.7	58
21	Rapid and simultaneous measurement of phosphorus metabolite pool size ratio and reaction kinetics of enzymes in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 210-221.	1.9	7
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> , 2018, 83, 484-491.	0.7	34
23	Oligodendrocyte differentiation of induced pluripotent stem cells derived from subjects with schizophrenias implicate abnormalities in development. <i>Translational Psychiatry</i> , 2018, 8, 230.	2.4	39
24	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> , 2018, 9, 769.	1.3	19
25	Brain bioenergetics and redox state measured by 31 P magnetic resonance spectroscopy in unaffected siblings of patients with psychotic disorders. <i>Schizophrenia Research</i> , 2017, 187, 11-16.	1.1	40
26	Redox Dysregulation in Schizophrenia Revealed by in vivo NAD <sup>+</sup> /NADH Measurement. <i>Schizophrenia Bulletin</i> , 2017, 43, 197-204.	2.3	91
27	Posttraumatic Stress Disorder: Structural Characterization with 3-T MR Imaging. <i>Radiology</i> , 2016, 280, 537-544.	3.6	28
28	Myelin vs Axon Abnormalities in White Matter in Bipolar Disorder. <i>Neuropsychopharmacology</i> , 2015, 40, 1243-1249.	2.8	28
29	Phosphorus magnetic resonance spectroscopy studies in schizophrenia. <i>Journal of Psychiatric Research</i> , 2015, 68, 157-166.	1.5	31
30	Frontal P3 event-related potential is related to brain glutamine/glutamate ratio measured in vivo. <i>NeuroImage</i> , 2015, 111, 186-191.	2.1	26
31	In Vivo Evidence for Cerebral Bioenergetic Abnormalities in Schizophrenia Measured Using <sup>31</sup> P Magnetization Transfer Spectroscopy. <i>JAMA Psychiatry</i> , 2014, 71, 19.	6.0	92
32	Myelin and Axon Abnormalities in Schizophrenia Measured with Magnetic Resonance Imaging Techniques. <i>Biological Psychiatry</i> , 2013, 74, 451-457.	0.7	87
33	Creatine kinase and ATP synthase reaction rates in human frontal lobe measured by 31P magnetization transfer spectroscopy at 4T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 102-108.	1.0	22
34	Probing myelin and axon abnormalities separately in psychiatric disorders using MRI techniques. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 24.	1.0	23
35	Simultaneous Measurement of Glucose Blood-Brain Transport Constants and Metabolic Rate in Rat Brain using <sup>1</sup> H MRS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1778-1787.	2.4	11
36	Quantitative imaging of energy expenditure in human brain. <i>NeuroImage</i> , 2012, 60, 2107-2117.	2.1	206

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37	Water and metabolite transverse T2 relaxation time abnormalities in the white matter in schizophrenia. <i>Schizophrenia Research</i> , 2012, 137, 241-245.	1.1	23
38	Relayed magnetization transfer from nuclear Overhauser effect and chemical exchange observed by in vivo 31P MRS in rat brain. <i>Magnetic Resonance Imaging</i> , 2012, 30, 716-721.	1.0	6
39	ATP Production Rate via Creatine Kinase or ATP Synthase In Vivo. <i>Circulation Research</i> , 2011, 108, 653-663.	2.0	48
40	In vivo proton MRS to quantify anesthetic effects of pentobarbital on cerebral metabolism and brain activity in rat. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1385-1393.	1.9	32
41	New Opportunities for High-Field In Vivo MRS in Studying Brain Bioenergetics and Function. <i>Brain Imaging and Behavior</i> , 2008, 2, 232-241.	1.1	1
42	Tightly coupled brain activity and cerebral ATP metabolic rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6409-6414.	3.3	173
43	Efficient in vivo 31P 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> , 2007, 57, 103-114.	1.9	113
44	In vivo 31P 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> , 2006, 24, 1281-1286.	1.0	71