

Xiaoming Du

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,277
citations

279798

23
h-index

395702

33
g-index

49
all docs

49
docs citations

49
times ranked

2479
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of White Matter With Core Cognitive Deficits in Patients With Schizophrenia. <i>JAMA Psychiatry</i> , 2017, 74, 958.	11.0	116
2	Frontal Glutamate and \hat{I}^3 -Aminobutyric Acid Levels and Their Associations With Mismatch Negativity and Digit Sequencing Task Performance in Schizophrenia. <i>JAMA Psychiatry</i> , 2016, 73, 166.	11.0	78
3	Individualized Brain Inhibition and Excitation Profile in Response to Paired-Pulse TMS. <i>Journal of Motor Behavior</i> , 2014, 46, 39-48.	0.9	60
4	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. <i>Neuropsychopharmacology</i> , 2016, 41, 2587-2595.	5.4	60
5	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. <i>Human Brain Mapping</i> , 2016, 37, 4673-4688.	3.6	53
6	Altered Glutamate and Regional Cerebral Blood Flow Levels in Schizophrenia: A 1H-MRS and pCASL study. <i>Neuropsychopharmacology</i> , 2017, 42, 562-571.	5.4	46
7	N100 as a generic cortical electrophysiological marker based on decomposition of TMS-evoked potentials across five anatomic locations. <i>Experimental Brain Research</i> , 2017, 235, 69-81.	1.5	46
8	Functional network connectivity impairments and core cognitive deficits in schizophrenia. <i>Human Brain Mapping</i> , 2019, 40, 4593-4605.	3.6	45
9	White Matter in Schizophrenia Treatment Resistance. <i>American Journal of Psychiatry</i> , 2019, 176, 829-838.	7.2	44
10	Diffusion-weighted imaging uncovers likely sources of processing-speed deficits in schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13504-13509.	7.1	43
11	Allostatic load and reduced cortical thickness in schizophrenia. <i>Psychoneuroendocrinology</i> , 2017, 77, 105-111.	2.7	40
12	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. <i>Biological Psychiatry</i> , 2022, 91, 202-215.	1.3	40
13	Mismatch negativity and low frequency oscillations in schizophrenia families. <i>Clinical Neurophysiology</i> , 2012, 123, 1980-1988.	1.5	39
14	Alterations in frontal white matter neurochemistry and microstructure in schizophrenia: implications for neuroinflammation. <i>Translational Psychiatry</i> , 2015, 5, e548-e548.	4.8	36
15	TMS evoked N100 reflects local GABA and glutamate balance. <i>Brain Stimulation</i> , 2018, 11, 1071-1079.	1.6	36
16	A White Matter Connection of Schizophrenia and Alzheimer's Disease. <i>Schizophrenia Bulletin</i> , 2021, 47, 197-206.	4.3	35
17	Acute nicotine administration effects on fractional anisotropy of cerebral white matter and associated attention performance. <i>Frontiers in Pharmacology</i> , 2013, 4, 117.	3.5	31
18	No evidence of exogenous origin for the abnormal glutathione redox state in schizophrenia. <i>Schizophrenia Research</i> , 2013, 146, 184-189.	2.0	30

#	ARTICLE	IF	CITATIONS
19	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. <i>NeuroImage</i> , 2016, 125, 189-197.	4.2	29
20	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. <i>Human Brain Mapping</i> , 2015, 36, 3793-3804.	3.6	28
21	Cortisol Reactivity to Stress and Its Association With White Matter Integrity in Adults With Schizophrenia. <i>Psychosomatic Medicine</i> , 2015, 77, 733-742.	2.0	28
22	Delta Vs Gamma Auditory Steady State Synchrony in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018, 44, 378-387.	4.3	28
23	Cerebellar-Stimulation Evoked Prefrontal Electrical Synchrony Is Modulated by GABA. <i>Cerebellum</i> , 2018, 17, 550-563.	2.5	25
24	Translating <scp>ENIGMA</scp> schizophrenia findings using the regional vulnerability index: Association with cognition, symptoms, and disease trajectory. <i>Human Brain Mapping</i> , 2022, 43, 566-575.	3.6	25
25	Electrophysiological intermediate biomarkers for oxidative stress in schizophrenia. <i>Clinical Neurophysiology</i> , 2013, 124, 2209-2215.	1.5	24
26	Aberrant Middle Prefrontal-Motor Cortex Connectivity Mediates Motor Inhibitory Biomarker in Schizophrenia. <i>Biological Psychiatry</i> , 2019, 85, 49-59.	1.3	23
27	Potassium channel gene associations with joint processing speed and white matter impairments in schizophrenia. <i>Genes, Brain and Behavior</i> , 2017, 16, 515-521.	2.2	22
28	A novel transcranial magnetic stimulator for focal stimulation of rodent brain. <i>Brain Stimulation</i> , 2018, 11, 663-665.	1.6	20
29	Heritability of complex white matter diffusion traits assessed in a population isolate. <i>Human Brain Mapping</i> , 2016, 37, 525-535.	3.6	19
30	The role of the left posterior parietal lobule in top-down modulation on space-based attention: A transcranial magnetic stimulation study. <i>Human Brain Mapping</i> , 2012, 33, 2477-2486.	3.6	17
31	High-sensitivity and spatial resolution transient magnetic and electric field probes for transcranial magnetic stimulator characterizations. <i>Instrumentation Science and Technology</i> , 2018, 46, 502-518.	1.8	13
32	The role of white matter microstructure in inhibitory deficits in patients with schizophrenia. <i>Brain Stimulation</i> , 2017, 10, 283-290.	1.6	9
33	Comparison of regional brain deficit patterns in common psychiatric and neurological disorders as revealed by big data. <i>NeuroImage: Clinical</i> , 2021, 29, 102574.	2.7	9
34	Neural summation in human motor cortex by subthreshold transcranial magnetic stimulations. <i>Experimental Brain Research</i> , 2015, 233, 671-677.	1.5	8
35	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. <i>Obesity</i> , 2017, 25, 1876-1880.	3.0	8
36	Development of Focused Transcranial Magnetic Stimulation for Rodents by Copper-Array Shields. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-4.	2.1	8

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37	Association of working memory and elevated overnight urinary norepinephrine in patients with schizophrenia. <i>Journal of Psychiatric Research</i> , 2021, 137, 89-95.	3.1	8
38	The additive impact of cardio-metabolic disorders and psychiatric illnesses on accelerated brain aging. <i>Human Brain Mapping</i> , 2022, 43, 1997-2010.	3.6	8
39	Test-retest reliability of short-interval intracortical inhibition and intracortical facilitation in patients with schizophrenia. <i>Psychiatry Research</i> , 2018, 267, 575-581.	3.3	7
40	White matter in prolonged glucocorticoid response to psychological stress in schizophrenia. <i>Neuropsychopharmacology</i> , 2021, 46, 2312-2319.	5.4	6
41	A working memory related mechanism of auditory hallucinations.. <i>Journal of Abnormal Psychology</i> , 2019, 128, 423-430.	1.9	6
42	Role of White Matter Microstructure in Impulsive Behavior. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2022, 34, 254-260.	1.8	6
43	Clinical and genetic validity of quantitative bipolarity. <i>Translational Psychiatry</i> , 2019, 9, 228.	4.8	4
44	The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. <i>Psychosomatic Medicine</i> , 2020, 82, 623-630.	2.0	3
45	Local versus long-range connectivity patterns of auditory disturbance in schizophrenia. <i>Schizophrenia Research</i> , 2021, 228, 262-270.	2.0	3
46	Sensor probes and phantoms for advanced transcranial magnetic stimulation system developments. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
47	Aberrant anterior cingulate processing of anticipated threat as a mechanism for psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2021, 313, 111300.	1.8	2
48	Mapping local and long-distance resting connectivity markers of TMS-related inhibition reduction in schizophrenia. <i>NeuroImage: Clinical</i> , 2021, 31, 102688.	2.7	1