

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	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
2	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
3	Role of White Matter Microstructure in Impulsive Behavior. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2022, 34, 254-260.	1.8	6
4	The additive impact of <scp>cardioâ€œmetabolic</scp> disorders and psychiatric illnesses on accelerated brain aging. <i>Human Brain Mapping</i> , 2022, 43, 1997-2010.	3.6	8
5	A White Matter Connection of Schizophrenia and Alzheimerâ€™s Disease. <i>Schizophrenia Bulletin</i> , 2021, 47, 197-206.	4.3	35
6	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
7	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
8	Local versus long-range connectivity patterns of auditory disturbance in schizophrenia. <i>Schizophrenia Research</i> , 2021, 228, 262-270.	2.0	3
9	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
10	White matter in prolonged glucocorticoid response to psychological stress in schizophrenia. <i>Neuropsychopharmacology</i> , 2021, 46, 2312-2319.	5.4	6
11	Aberrant anterior cingulate processing of anticipated threat as a mechanism for psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2021, 313, 111300.	1.8	2
12	The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. <i>Psychosomatic Medicine</i> , 2020, 82, 623-630.	2.0	3
13	Aberrant Middle Prefrontal-Motor Cortex Connectivity Mediates Motor Inhibitory Biomarker in Schizophrenia. <i>Biological Psychiatry</i> , 2019, 85, 49-59.	1.3	23
14	White Matter in Schizophrenia Treatment Resistance. <i>American Journal of Psychiatry</i> , 2019, 176, 829-838.	7.2	44
15	Functional network connectivity impairments and core cognitive deficits in schizophrenia. <i>Human Brain Mapping</i> , 2019, 40, 4593-4605.	3.6	45
16	Clinical and genetic validity of quantitative bipolarity. <i>Translational Psychiatry</i> , 2019, 9, 228.	4.8	4
17	A working memory related mechanism of auditory hallucinations.. <i>Journal of Abnormal Psychology</i> , 2019, 128, 423-430.	1.9	6
18	A novel transcranial magnetic stimulator for focal stimulation of rodentâ€™s brain. <i>Brain Stimulation</i> , 2018, 11, 663-665.	1.6	20

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19	Development of Focused Transcranial Magnetic Stimulation for Rodents by Copper-Array Shields. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	8
20	High-sensitivity and spatial resolution transient magnetic and electric field probes for transcranial magnetic stimulator characterizations. Instrumentation Science and Technology, 2018, 46, 502-518.	1.8	13
21	TMS evoked N100 reflects local GABA and glutamate balance. Brain Stimulation, 2018, 11, 1071-1079.	1.6	36
22	Delta Vs Gamma Auditory Steady State Synchrony in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 378-387.	4.3	28
23	Cerebellar-Stimulation Evoked Prefrontal Electrical Synchrony Is Modulated by GABA. Cerebellum, 2018, 17, 550-563.	2.5	25
24	Test-retest reliability of short-interval intracortical inhibition and intracortical facilitation in patients with schizophrenia. Psychiatry Research, 2018, 267, 575-581.	3.3	7
25	Potassium channel gene associations with joint processing speed and white matter impairments in schizophrenia. Genes, Brain and Behavior, 2017, 16, 515-521.	2.2	22
26	Allostatic load and reduced cortical thickness in schizophrenia. Psychoneuroendocrinology, 2017, 77, 105-111.	2.7	40
27	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. Obesity, 2017, 25, 1876-1880.	3.0	8
28	Association of White Matter With Core Cognitive Deficits in Patients With Schizophrenia. JAMA Psychiatry, 2017, 74, 958.	11.0	116
29	The role of white matter microstructure in inhibitory deficits in patients with schizophrenia. Brain Stimulation, 2017, 10, 283-290.	1.6	9
30	Altered Glutamate and Regional Cerebral Blood Flow Levels in Schizophrenia: A 1H-MRS and pCASL study. Neuropsychopharmacology, 2017, 42, 562-571.	5.4	46
31	N100 as a generic cortical electrophysiological marker based on decomposition of TMS-evoked potentials across five anatomic locations. Experimental Brain Research, 2017, 235, 69-81.	1.5	46
32	Heritability of complex white matter diffusion traits assessed in a population isolate. Human Brain Mapping, 2016, 37, 525-535.	3.6	19
33	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2587-2595.	5.4	60
34	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. Human Brain Mapping, 2016, 37, 4673-4688.	3.6	53
35	Diffusion-weighted imaging uncovers likely sources of processing-speed deficits in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13504-13509.	7.1	43
36	Frontal Glutamate and $\hat{1}^3$ -Aminobutyric Acid Levels and Their Associations With Mismatch Negativity and Digit Sequencing Task Performance in Schizophrenia. JAMA Psychiatry, 2016, 73, 166.	11.0	78

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37	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
38	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
39	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
40	Neural summation in human motor cortex by subthreshold transcranial magnetic stimulations. <i>Experimental Brain Research</i> , 2015, 233, 671-677.	1.5	8
41	Sensor probes and phantoms for advanced transcranial magnetic stimulation system developments. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
42	Alterations in frontal white matter neurochemistry and microstructure in schizophrenia: implications for neuroinflammation. <i>Translational Psychiatry</i> , 2015, 5, e548-e548.	4.8	36
43	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
44	Electrophysiological intermediate biomarkers for oxidative stress in schizophrenia. <i>Clinical Neurophysiology</i> , 2013, 124, 2209-2215.	1.5	24
45	No evidence of exogenous origin for the abnormal glutathione redox state in schizophrenia. <i>Schizophrenia Research</i> , 2013, 146, 184-189.	2.0	30
46	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
47	Mismatch negativity and low frequency oscillations in schizophrenia families. <i>Clinical Neurophysiology</i> , 2012, 123, 1980-1988.	1.5	39
48	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