

Xiaochu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

2,714
citations

270111

25
h-index

252626

46
g-index

106
all docs

106
docs citations

106
times ranked

4555
citing authors

#	ARTICLE	IF	CITATIONS
1	Using multisession tDCS stimulation as an early intervention on memory bias processing in subthreshold depression. <i>Psychophysiology</i> , 2023, 60, .	1.2	1
2	Global urbanicity is associated with brain and behaviour in young people. <i>Nature Human Behaviour</i> , 2022, 6, 279-293.	6.2	24
3	Transformer Model for Functional Near-Infrared Spectroscopy Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2559-2569.	3.9	17
4	Impulse control differentiates Internet gaming disorder from non-disordered but heavy Internet gaming use: Evidence from multiple behavioral and multimodal neuroimaging data. <i>Computers in Human Behavior</i> , 2022, 130, 107184.	5.1	11
5	A methodological checklist for fMRI drug cue reactivity studies: development and expert consensus. <i>Nature Protocols</i> , 2022, 17, 567-595.	5.5	26
6	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES) Tj ETQq0 0 0 rgBT /Overclock 10 Tf 50 542	5.5	21
7	Effects of retrieval-extinction training on internet gaming disorder. <i>Journal of Behavioral Addictions</i> , 2022, 11, 49-62.	1.9	0
8	Brain morphology, harm avoidance, and the severity of excessive internet use. <i>Human Brain Mapping</i> , 2022, 43, 3176-3183.	1.9	4
9	No smoking signs with strong smoking symbols induce weak cravings: an fMRI and EEG study. <i>NeuroImage</i> , 2022, 252, 119019.	2.1	1
10	Depicting People in Visual Cues Affects Alcohol Cue Reactivity in Male Alcohol-Dependent Patients. <i>Brain Sciences</i> , 2022, 12, 307.	1.1	4
11	The orbitofrontal cortex represents advantageous choice in the Iowa gambling task. <i>Human Brain Mapping</i> , 2022, 43, 3840-3856.	1.9	13
12	Smoking related attention alteration in chronic obstructive pulmonary disease-smoking comorbidity. <i>BMC Pulmonary Medicine</i> , 2022, 22, 182.	0.8	3
13	A solution to supervised motor imagery task in the BCI Controlled Robot Contest in World Robot Contest. <i>Brain Science Advances</i> , 2022, 8, 153-161.	0.3	2
14	Investigation of brain functional connectivity to assess cognitive control over cue processing in Alcohol Use Disorder. <i>Addiction Biology</i> , 2021, 26, e12863.	1.4	24
15	BCI-Based Neurofeedback Training for Quitting Smoking. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2021, , 13-23.	0.3	1
16	A role of the lateral prefrontal cortex in the congruency sequence effect revealed by transcranial direct current stimulation. <i>Psychophysiology</i> , 2021, 58, e13784.	1.2	2
17	Outbreak of COVID-19 altered the relationship between memory bias and depressive degree in nonclinical depression. <i>iScience</i> , 2021, 24, 102081.	1.9	6
18	MicroRNA-181a Is Involved in Methamphetamine Addiction Through the ERAD Pathway. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 667725.	1.4	12

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19	Laboratory Predictors of COVID-19 Pneumonia in Patients with Mild to Moderate Symptoms. <i>Laboratory Medicine</i> , 2021, 52, e104-e114.	0.8	1
20	A Novel Cognition-Guided Neurofeedback BCI Dataset on Nicotine Addiction. <i>Frontiers in Neuroscience</i> , 2021, 15, 647844.	1.4	3
21	A behavioral protocol to assess the relationship between three cognitive biases and future depression severity. <i>STAR Protocols</i> , 2021, 2, 100773.	0.5	0
22	High Gamma and Beta Temporal Interference Stimulation in the Human Motor Cortex Improves Motor Functions. <i>Frontiers in Neuroscience</i> , 2021, 15, 800436.	1.4	26
23	The neural mechanisms of immediate and follow-up of the treatment effect of hypnosis on smoking craving. <i>Brain Imaging and Behavior</i> , 2020, 14, 1487-1497.	1.1	10
24	CHIMGEN: a Chinese imaging genetics cohort to enhance cross-ethnic and cross-geographic brain research. <i>Molecular Psychiatry</i> , 2020, 25, 517-529.	4.1	35
25	Visual mismatch negativity elicited by semantic violations in visual words. <i>Brain Research</i> , 2020, 1746, 147010.	1.1	10
26	Dysfunctional resting-state EEG microstate correlated with the severity of cigarette exposure in nicotine addiction. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	8
27	Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. <i>Brain Stimulation</i> , 2020, 13, 1124-1149.	0.7	78
28	Neuroimaging and intervening in memory reconsolidation of human drug addiction. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	5
29	Neurostimulation: Neural and Psychological Predictors of Cognitive Enhancement and Impairment from Neurostimulation (Adv. Sci. 4/2020). <i>Advanced Science</i> , 2020, 7, 2070022.	5.6	2
30	Neural and Psychological Predictors of Cognitive Enhancement and Impairment from Neurostimulation. <i>Advanced Science</i> , 2020, 7, 1902863.	5.6	12
31	Quantum reinforcement learning during human decision-making. <i>Nature Human Behaviour</i> , 2020, 4, 294-307.	6.2	66
32	The language context effect in facial expressions processing and its mandatory characteristic. <i>Scientific Reports</i> , 2019, 9, 11045.	1.6	11
33	Transcranial electrical and magnetic stimulation (tES and TMS) for addiction medicine: A consensus paper on the present state of the science and the road ahead. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 118-140.	2.9	198
34	A neural circuit for comorbid depressive symptoms in chronic pain. <i>Nature Neuroscience</i> , 2019, 22, 1649-1658.	7.1	175
35	A lateral inhibition mechanism explains the dissociation between mismatch negativity and behavioral pitch discrimination. <i>Brain Research</i> , 2019, 1720, 146308.	1.1	5
36	Thinking on Transcranial Direct Current Stimulation (tDCS) in Reading Interventions: Recommendations for Future Research Directions. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 157.	1.0	7

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37	Effect of deactivation of activity patterns related to smoking cue reactivity on nicotine addiction. <i>Brain</i> , 2019, 142, 1827-1841.	3.7	21
38	Low-Theta Electroencephalography Coherence Predicts Cigarette Craving in Nicotine Addiction. <i>Frontiers in Psychiatry</i> , 2019, 10, 296.	1.3	13
39	Improving Relationships by Elevating Positive Illusion and the Underlying Psychological and Neural Mechanisms. <i>Frontiers in Human Neuroscience</i> , 2019, 12, 526.	1.0	5
40	The Effect of the Irreversible Inequality on Pro-social Behaviors of People With Disabilities. <i>Frontiers in Psychology</i> , 2019, 10, 12.	1.1	6
41	Using Transcranial Alternating Current Stimulation (tACS) to Improve Romantic Relationships Can Be a Promising Approach. <i>Frontiers in Psychology</i> , 2019, 10, 365.	1.1	2
42	Transforming brain signals related to value evaluation and self-control into behavioral choices. <i>Human Brain Mapping</i> , 2019, 40, 1049-1061.	1.9	24
43	The top-down regulation from the prefrontal cortex to insula via hypnotic aversion suggestions reduces smoking craving. <i>Human Brain Mapping</i> , 2019, 40, 1718-1728.	1.9	17
44	Chronic nicotine exposure impairs uncertainty modulation on reinforcement learning in anterior cingulate cortex and serotonin system. <i>NeuroImage</i> , 2018, 169, 323-333.	2.1	9
45	Social Interaction Patterns of the Disabled People in Asymmetric Social Dilemmas. <i>Frontiers in Psychology</i> , 2018, 9, 1683.	1.1	5
46	Interactive Brain Activity: Review and Progress on EEG-Based Hyperscanning in Social Interactions. <i>Frontiers in Psychology</i> , 2018, 9, 1862.	1.1	107
47	Neuroimaging Studies Reveal the Subtle Difference Among Social Network Size Measurements and Shed Light on New Directions. <i>Frontiers in Neuroscience</i> , 2018, 12, 461.	1.4	12
48	Weibo or WeChat? Assessing Preference for Social Networking Sites and Role of Personality Traits and Psychological Factors. <i>Frontiers in Psychology</i> , 2018, 9, 545.	1.1	42
49	The Risk Factors of the Alcohol Use Disorders Through Review of Its Comorbidities. <i>Frontiers in Neuroscience</i> , 2018, 12, 303.	1.4	33
50	Neural mechanism by which transcranial direct current stimulation reduces cigarette cravings: study protocol for a randomized controlled crossover trial. <i>Asia Pacific Journal of Clinical Trials Nervous System Diseases</i> , 2018, 3, 17.	0.3	2
51	Electrical stimulation reduces smokers' craving by modulating the coupling between dorsal lateral prefrontal cortex and parahippocampal gyrus. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1296-1302.	1.5	50
52	Neural substrates of updating the prediction through prediction error during decision making. <i>NeuroImage</i> , 2017, 157, 1-12.	2.1	20
53	Enhancing the effectiveness of flood road gauges with color coding. <i>Natural Hazards</i> , 2017, 88, 55-70.	1.6	4
54	Similarities and Differences in Diagnostic Criterion. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1010, 105-132.	0.8	1

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55	Received View of Addiction, Relapse and Treatment. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1010, 3-19.	0.8	9
56	Delta coherence in resting-state EEG predicts the reduction in cigarette craving after hypnotic aversion suggestions. <i>Scientific Reports</i> , 2017, 7, 2430.	1.6	26
57	Pragmatic Ability Deficit in Schizophrenia and Associated Theory of Mind and Executive Function. <i>Frontiers in Psychology</i> , 2017, 8, 2164.	1.1	15
58	Language Learning Enhanced by Massive Multiple Online Role-Playing Games (MMORPGs) and the Underlying Behavioral and Neural Mechanisms. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 95.	1.0	12
59	Excessive use of WeChat, social interaction and locus of control among college students in China. <i>PLoS ONE</i> , 2017, 12, e0183633.	1.1	44
60	Summary and Prospect. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1010, 333-353.	0.8	0
61	Cue-induced Behavioral and Neural Changes among Excessive Internet Gamers and Possible Application of Cue Exposure Therapy to Internet Gaming Disorder. <i>Frontiers in Psychology</i> , 2016, 7, 675.	1.1	24
62	Cue Reactivity in Nicotine and Alcohol Addiction: A Cross-Cultural View. <i>Frontiers in Psychology</i> , 2016, 7, 1335.	1.1	50
63	Romantic Love vs. Drug Addiction May Inspire a New Treatment for Addiction. <i>Frontiers in Psychology</i> , 2016, 7, 1436.	1.1	17
64	Editorial: Beyond Reward: Insights from Love and Addiction. <i>Frontiers in Psychology</i> , 2016, 7, 1776.	1.1	1
65	Resting-state functional connectivity between the dorsal anterior cingulate cortex and thalamus is associated with risky decision-making in nicotine addicts. <i>Scientific Reports</i> , 2016, 6, 21778.	1.6	31
66	Non-invasive Brain Stimulation for the Treatment of Nicotine Addiction: Potential and Challenges. <i>Neuroscience Bulletin</i> , 2016, 32, 550-556.	1.5	14
67	Altered Resting-State Signals in Patients with Acute Stroke In or Under the Thalamus. <i>Neuroscience Bulletin</i> , 2016, 32, 585-590.	1.5	15
68	Multidimensional assessment of empathic abilities in patients with insular glioma. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 962-975.	1.0	24
69	Early-onset hearing loss reorganizes the visual and auditory network in children without cochlear implantation. <i>NeuroReport</i> , 2016, 27, 197-202.	0.6	19
70	Excessive use of Twitter among college students in the UK: Validation of the Microblog Excessive Use Scale and relationship to social interaction and loneliness. <i>Computers in Human Behavior</i> , 2016, 55, 963-971.	5.1	45
71	Modulatory effect of romantic love on value estimation and its neural mechanism. <i>NeuroReport</i> , 2016, 27, 323-328.	0.6	2
72	Gender Differences in Cerebral Regional Homogeneity of Adult Healthy Volunteers: A Resting-State fMRI Study. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	35

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73	Reward sensitivity predicts ice cream-related attentional bias assessed by inattentive blindness. <i>Appetite</i> , 2015, 89, 258-264.	1.8	14
74	Novelty seeking is related to individual risk preference and brain activation associated with risk prediction during decision making. <i>Scientific Reports</i> , 2015, 5, 10534.	1.6	22
75	Love-related changes in the brain: a resting-state functional magnetic resonance imaging study. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 71.	1.0	40
76	Cerebral Activity to Opposite-Sex Voices Reflected by Event-Related Potentials. <i>PLoS ONE</i> , 2014, 9, e94976.	1.1	6
77	Is the Excessive Use of Microblogs an Internet Addiction? Developing a Scale for Assessing the Excessive Use of Microblogs in Chinese College Students. <i>PLoS ONE</i> , 2014, 9, e110960.	1.1	10
78	Electrical Stimulation over Bilateral Occipito-Temporal Regions Reduces N170 in the Right Hemisphere and the Composite Face Effect. <i>PLoS ONE</i> , 2014, 9, e115772.	1.1	19
79	The link between impaired theory of mind and executive function in children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2014, 35, 1686-1693.	1.2	19
80	Prolonged Repeated Acupuncture Stimulation Induces Habituation Effects in Pain-Related Brain Areas: An fMRI Study. <i>PLoS ONE</i> , 2014, 9, e97502.	1.1	23
81	Resting-State Functional Connectivity Predicts Impulsivity in Economic Decision-Making. <i>Journal of Neuroscience</i> , 2013, 33, 4886-4895.	1.7	161
82	Prefrontal white matter impairment in substance users depends upon the catechol-o-methyl transferase (COMT) val158met polymorphism. <i>NeuroImage</i> , 2013, 69, 62-69.	2.1	23
83	Rejection of Unfair Offers Can Be Driven by Negative Emotions, Evidence from Modified Ultimatum Games with Anonymity. <i>PLoS ONE</i> , 2012, 7, e39619.	1.1	12
84	Anatomical differences and network characteristics underlying smoking cue reactivity. <i>NeuroImage</i> , 2011, 54, 131-141.	2.1	84
85	Factors underlying prefrontal and insula structural alterations in smokers. <i>NeuroImage</i> , 2011, 54, 42-48.	2.1	168
86	Functional Polymorphism of the Mu-Opioid Receptor Gene (OPRM1) Influences Reinforcement Learning in Humans. <i>PLoS ONE</i> , 2011, 6, e24203.	1.1	21
87	Single subject task-related BOLD signal artifact in a real-time fMRI feedback paradigm. <i>Human Brain Mapping</i> , 2011, 32, 592-600.	1.9	11
88	Functional magnetic resonance imaging assessment of altered brain function in hypothyroidism during working memory processing. <i>European Journal of Endocrinology</i> , 2011, 164, 951-959.	1.9	37
89	Smoking and Schizophrenia Independently and Additively Reduce White Matter Integrity Between Striatum and Frontal Cortex. <i>Biological Psychiatry</i> , 2010, 68, 674-677.	0.7	46
90	Masked smoking-related images modulate brain activity in smokers. <i>Human Brain Mapping</i> , 2009, 30, 896-907.	1.9	27

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91	Decision-Making and Prepotent Response Inhibition Functions in Excessive Internet Users. <i>CNS Spectrums</i> , 2009, 14, 75-81.	0.7	120
92	Age-dependent brain activation during forward and backward digit recall revealed by fMRI. <i>NeuroImage</i> , 2005, 26, 36-47.	2.1	100
93	Cross-modal temporal order memory for auditory digits and visual locations: An fMRI study. <i>Human Brain Mapping</i> , 2004, 22, 280-289.	1.9	26
94	Behavioral and functional MRI study of attention shift in human verbal working memory. <i>NeuroImage</i> , 2004, 21, 181-191.	2.1	36
95	A functional MRI study of high-level cognition. <i>Cognitive Brain Research</i> , 2003, 16, 32-37.	3.3	71
96	Functional comparison of primacy, middle and recency retrieval in human auditory short-term memory: an event-related fMRI study. <i>Cognitive Brain Research</i> , 2003, 16, 91-98.	3.3	25