

Xiaosi Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6880712/publications.pdf>

Version: 2024-02-01

61
papers

3,907
citations

186209

28
h-index

175177

52
g-index

73
all docs

73
docs citations

73
times ranked

4914
citing authors

#	ARTICLE	IF	CITATIONS
1	An Interpretable and Predictive Connectivity-Based Neural Signature for Chronic Cannabis Use. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 320-330.	1.1	4
2	Similar network compositions, but distinct neural dynamics underlying belief updating in environments with and without explicit outcomes. <i>NeuroImage</i> , 2022, 247, 118821.	2.1	1
3	Computational mechanisms underlying illusion of control in delusional individuals. <i>Schizophrenia Research</i> , 2022, 245, 50-58.	1.1	8
4	P159. Neurocomputational Mechanisms of Impaired Social Decision-Making in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2022, 91, S151.	0.7	0
5	P31. Aberrant Estimation of Controllability and its Neural Underpinnings in Nicotine-Dependent Human Smokers. <i>Biological Psychiatry</i> , 2022, 91, S100.	0.7	0
6	Social Controllability: Models, Mechanisms, and Mental Health. <i>Biological Psychiatry</i> , 2022, 91, S33-S34.	0.7	0
7	Modeling Therapeutic Alliance in the Age of Telepsychiatry. <i>Trends in Cognitive Sciences</i> , 2021, 25, 5-8.	4.0	10
8	Editorial: 2021, A New Chapter. <i>Computational Psychiatry</i> , 2021, 5, 1-3.	1.1	0
9	A change of mind: Globus pallidus activity and effective connectivity during changes in choice selections. <i>European Journal of Neuroscience</i> , 2021, 53, 2774-2787.	1.2	4
10	Elevated Neurobehavioral Responses to Negative Social Interactions in Women With Bulimia Nervosa. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, , .	1.1	5
11	Containment of COVID-19: Simulating the impact of different policies and testing capacities for contact tracing, testing, and isolation. <i>PLoS ONE</i> , 2021, 16, e0247614.	1.1	19
12	An Insula-Driven Network Computes Decision Uncertainty and Promotes Abstinence in Chronic Cocaine Users. <i>Biological Psychiatry</i> , 2021, 89, S55.	0.7	0
13	A natural language processing approach to modelling treatment alliance in psychotherapy transcripts. <i>BJPsych Open</i> , 2021, 7, S48-S48.	0.3	0
14	Emotional adaptation during a crisis: decline in anxiety and depression after the initial weeks of COVID-19 in the United States. <i>Translational Psychiatry</i> , 2021, 11, 435.	2.4	20
15	Hippocampal contributions to social and cognitive deficits in autism spectrum disorder. <i>Trends in Neurosciences</i> , 2021, 44, 793-807.	4.2	85
16	Humans use forward thinking to exploit social controllability. <i>ELife</i> , 2021, 10, .	2.8	14
17	An insula-driven network computes decision uncertainty and promotes abstinence in chronic cocaine users. <i>European Journal of Neuroscience</i> , 2020, 52, 4923-4936.	1.2	9
18	Aberrant Neural Computation of Uncertainty Predicts Cocaine Use Relapse. <i>Biological Psychiatry</i> , 2020, 87, S22.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Modeling subjective belief states in computational psychiatry: interoceptive inference as a candidate framework. <i>Psychopharmacology</i> , 2019, 236, 2405-2412.	1.5	20
20	Addiction beyond pharmacological effects: The role of environment complexity and bounded rationality. <i>Neural Networks</i> , 2019, 116, 269-278.	3.3	27
21	Anterior insular cortex plays a critical role in interoceptive attention. <i>ELife</i> , 2019, 8, .	2.8	99
22	Value encoding in the globus pallidus: fMRI reveals an interaction effect between reward and dopamine drive. <i>NeuroImage</i> , 2018, 173, 249-257.	2.1	13
23	Heightened brain response to pain anticipation in high-functioning adults with autism spectrum disorder. <i>European Journal of Neuroscience</i> , 2018, 47, 592-601.	1.2	31
24	Incubation of craving: a Bayesian account. <i>Neuropsychopharmacology</i> , 2018, 43, 2337-2339.	2.8	14
25	A Multilevel Computational Characterization of Endophenotypes in Addiction. <i>ENeuro</i> , 2018, 5, ENEURO.0151-18.2018.	0.9	8
26	A Bayesian Observer Model of Drug Craving. <i>JAMA Psychiatry</i> , 2017, 74, 419.	6.0	21
27	Forgetting to Be Addicted: Reconsolidation and the Disconnection of Things Past. <i>Biological Psychiatry</i> , 2017, 82, 774-775.	0.7	0
28	Self as Object: Emerging Trends in Self Research. <i>Trends in Neurosciences</i> , 2017, 40, 643-653.	4.2	91
29	In silico Interrogation of Insect Central Complex Suggests Computational Roles for the Ellipsoid Body in Spatial Navigation. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 142.	1.0	14
30	Somatic and vicarious pain are represented by dissociable multivariate brain patterns. <i>ELife</i> , 2016, 5, .	2.8	176
31	Belief about Nicotine Modulates Subjective Craving and Insula Activity in Deprived Smokers. <i>Frontiers in Psychiatry</i> , 2016, 7, 126.	1.3	25
32	Venlafaxine treatment reduces the deficit of executive control of attention in patients with major depressive disorder. <i>Scientific Reports</i> , 2016, 6, 28028.	1.6	28
33	Mindfulness training increases cooperative decision making in economic exchanges: Evidence from fMRI. <i>NeuroImage</i> , 2016, 138, 274-283.	2.1	55
34	Belief about nicotine selectively modulates value and reward prediction error signals in smokers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2539-2544.	3.3	56
35	Necessary, Yet Dissociable Contributions of the Insular and Ventromedial Prefrontal Cortices to Norm Adaptation: Computational and Lesion Evidence in Humans. <i>Journal of Neuroscience</i> , 2015, 35, 467-473.	1.7	77
36	Autonomic and brain responses associated with empathy deficits in autism spectrum disorder. <i>Human Brain Mapping</i> , 2015, 36, 3323-3338.	1.9	84

#	ARTICLE	IF	CITATIONS
37	Nonpolitical Images Evoke Neural Predictors of Political Ideology. <i>Current Biology</i> , 2014, 24, 2693-2699.	1.8	100
38	The Cerebral Cortex of the Pygmy Hippopotamus, <i>Hexaprotodon liberiensis</i> (Cetartiodactyla). <i>Trends in Cognitive Sciences</i> , 2014, 18, 670-700.	0.8	40
39	Quantitative Characterization of Functional Anatomical Contributions to Cognitive Control under Uncertainty. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1490-1506.	1.1	49
40	Recovery of empathetic function following resection of insular gliomas. <i>Journal of Neuro-Oncology</i> , 2014, 117, 269-277.	1.4	16
41	Cognitive strategies regulate fictive, but not reward prediction error signals in a sequential investment task. <i>Human Brain Mapping</i> , 2014, 35, 3738-3749.	1.9	13
42	Mindfulness training modulates value signals in ventromedial prefrontal cortex through input from insular cortex. <i>NeuroImage</i> , 2014, 100, 254-262.	2.1	45
43	Abnormal autonomic and associated brain activities during rest in autism spectrum disorder. <i>Brain</i> , 2014, 137, 153-171.	3.7	70
44	Interoceptive inference: homeostasis and decision-making. <i>Trends in Cognitive Sciences</i> , 2014, 18, 269-270.	4.0	79
45	Association of Callous Traits with Reduced Neural Response to Others' Pain in Children with Conduct Problems. <i>Current Biology</i> , 2013, 23, 901-905.	1.8	161
46	Anterior insular cortex and emotional awareness. <i>Journal of Comparative Neurology</i> , 2013, 521, 3371-3388.	0.9	507
47	Cognition-Emotion Integration in the Anterior Insular Cortex. <i>Cerebral Cortex</i> , 2013, 23, 20-27.	1.6	141
48	Functional Neural Correlates of Attentional Deficits in Amnesic Mild Cognitive Impairment. <i>PLoS ONE</i> , 2013, 8, e54035.	1.1	48
49	Anterior insular cortex is necessary for empathetic pain perception. <i>Brain</i> , 2012, 135, 2726-2735.	3.7	194
50	Functional deficits of the attentional networks in autism. <i>Brain and Behavior</i> , 2012, 2, 647-660.	1.0	73
51	Spontaneous Brain Activity Relates to Autonomic Arousal. <i>Journal of Neuroscience</i> , 2012, 32, 11176-11186.	1.7	96
52	Involvement of the anterior cingulate and fronto-insular cortices in rapid processing of salient facial emotional information. <i>NeuroImage</i> , 2011, 54, 2539-2546.	2.1	56
53	Dimensional overlap accounts for independence and integration of stimulus-response compatibility effects. <i>Attention, Perception, and Psychophysics</i> , 2010, 72, 1710-1720.	0.7	30
54	Functional Dissociation of the Fronto-insular and Anterior Cingulate Cortices in Empathy for Pain. <i>Journal of Neuroscience</i> , 2010, 30, 3739-3744.	1.7	181

#	ARTICLE	IF	CITATIONS
55	Neural substrates of self-referential processing in Chinese Buddhists. <i>Social Cognitive and Affective Neuroscience</i> , 2010, 5, 332-339.	1.5	66
56	Neurocognitive processes of the religious leader in Christians. <i>Human Brain Mapping</i> , 2009, 30, 4012-4024.	1.9	14
57	Testing the behavioral interaction and integration of attentional networks. <i>Brain and Cognition</i> , 2009, 70, 209-220.	0.8	367
58	Neural consequences of religious belief on self-referential processing. <i>Social Neuroscience</i> , 2008, 3, 1-15.	0.7	149
59	Alexithymic Trait and Voluntary Control in Healthy Adults. <i>PLoS ONE</i> , 2008, 3, e3702.	1.1	12
60	Neural substrates underlying evaluation of pain in actions depicted in words. <i>Behavioural Brain Research</i> , 2007, 181, 218-223.	1.2	40
61	Attention and reality constraints on the neural processes of empathy for pain. <i>NeuroImage</i> , 2007, 36, 256-267.	2.1	317