

Sheng Zhang

List of Publications by Year in descending order

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99
papers

4,902
citations

117625

34
h-index

110387

64
g-index

100
all docs

100
docs citations

100
times ranked

6984
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional connectivity mapping of the human precuneus by resting state fMRI. <i>NeuroImage</i> , 2012, 59, 3548-3562.	4.2	476
2	Human homologue of the <i>Drosophila melanogaster</i> lats tumour suppressor modulates CDC2 activity. <i>Nature Genetics</i> , 1999, 21, 177-181.	21.4	253
3	Global Resting-State Functional Magnetic Resonance Imaging Analysis Identifies Frontal Cortex, Striatal, and Cerebellar Dysconnectivity in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2014, 75, 595-605.	1.3	222
4	Mega-Analysis of Gray Matter Volume in Substance Dependence: General and Substance-Specific Regional Effects. <i>American Journal of Psychiatry</i> , 2019, 176, 119-128.	7.2	190
5	Multimodal Neuroimaging of Frontolimbic Structure and Function Associated With Suicide Attempts in Adolescents and Young Adults With Bipolar Disorder. <i>American Journal of Psychiatry</i> , 2017, 174, 667-675.	7.2	186
6	Resting-State Functional Connectivity of the Medial Superior Frontal Cortex. <i>Cerebral Cortex</i> , 2012, 22, 99-111.	2.9	173
7	Functional networks for cognitive control in a stop signal task: Independent component analysis. <i>Human Brain Mapping</i> , 2012, 33, 89-104.	3.6	172
8	<i>Drosophila</i> Atrophia Homolog Functions as a Transcriptional Corepressor in Multiple Developmental Processes. <i>Cell</i> , 2002, 108, 45-56.	28.9	155
9	Connectome-based predictive modeling of attention: Comparing different functional connectivity features and prediction methods across datasets. <i>NeuroImage</i> , 2018, 167, 11-22.	4.2	139
10	Dynamic functional connectivity during task performance and rest predicts individual differences in attention across studies. <i>NeuroImage</i> , 2019, 188, 14-25.	4.2	133
11	The Right Superior Frontal Gyrus and Individual Variation in Proactive Control of Impulsive Response. <i>Journal of Neuroscience</i> , 2016, 36, 12688-12696.	3.6	132
12	Decreased saliency processing as a neural measure of Barratt impulsivity in healthy adults. <i>NeuroImage</i> , 2012, 63, 1070-1077.	4.2	102
13	Gender Differences in Cognitive Control: an Extended Investigation of the Stop Signal Task. <i>Brain Imaging and Behavior</i> , 2009, 3, 262-276.	2.1	99
14	Error processing and gender-shared and -specific neural predictors of relapse in cocaine dependence. <i>Brain</i> , 2013, 136, 1231-1244.	7.6	99
15	Resting-State Functional Connectivity of the Locus Coeruleus in Humans: In Comparison with the Ventral Tegmental Area/Substantia Nigra Pars Compacta and the Effects of Age. <i>Cerebral Cortex</i> , 2016, 26, 3413-3427.	2.9	93
16	Resting state functional connectivity of the basal nucleus of Meynert in humans: In comparison to the ventral striatum and the effects of age. <i>NeuroImage</i> , 2014, 97, 321-332.	4.2	76
17	Resting-state functional connectivity of the striatum in early-stage Parkinson's disease: Cognitive decline and motor symptomatology. <i>Human Brain Mapping</i> , 2016, 37, 648-662.	3.6	74
18	Ventromedial prefrontal cortex and the regulation of physiological arousal. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 900-908.	3.0	73

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19	Functional Clustering of the Human Inferior Parietal Lobule by Whole-Brain Connectivity Mapping of Resting-State Functional Magnetic Resonance Imaging Signals. <i>Brain Connectivity</i> , 2014, 4, 140130070445002.	1.7	71
20	Task-related concurrent but opposite modulations of overlapping functional networks as revealed by spatial ICA. <i>NeuroImage</i> , 2013, 79, 62-71.	4.2	69
21	A neural measure of behavioral engagement: Task-residual low-frequency blood oxygenation level-dependent activity in the precuneus. <i>NeuroImage</i> , 2010, 49, 1911-1918.	4.2	65
22	Conflict anticipation in alcohol dependence – A model-based fMRI study of stop signal task. <i>NeuroImage: Clinical</i> , 2015, 8, 39-50.	2.7	64
23	Cerebral gray matter volumes and low-frequency fluctuation of BOLD signals in cocaine dependence: Duration of use and gender difference. <i>Drug and Alcohol Dependence</i> , 2014, 134, 51-62.	3.2	60
24	Hemispheric Lateralization of Resting-State Functional Connectivity of the Anterior Insula: Association with Age, Gender, and a Novelty-Seeking Trait. <i>Brain Connectivity</i> , 2016, 6, 724-734.	1.7	59
25	The effects of age on resting state functional connectivity of the basal ganglia from young to middle adulthood. <i>NeuroImage</i> , 2015, 107, 311-322.	4.2	55
26	Anticipating conflict: Neural correlates of a Bayesian belief and its motor consequence. <i>NeuroImage</i> , 2015, 119, 286-295.	4.2	49
27	The effects of age on reward magnitude processing in the monetary incentive delay task. <i>NeuroImage</i> , 2020, 207, 116368.	4.2	49
28	Cerebral correlates of skin conductance responses in a cognitive task. <i>NeuroImage</i> , 2012, 62, 1489-1498.	4.2	47
29	The effects of methylphenidate on resting-state striatal, thalamic and global functional connectivity in healthy adults. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1177-1191.	2.1	47
30	Structural and functional cerebral bases of diminished inhibitory control during healthy aging. <i>Human Brain Mapping</i> , 2018, 39, 5085-5096.	3.6	43
31	The Effects of Methylphenidate on Resting-State Functional Connectivity of the Basal Nucleus of Meynert, Locus Coeruleus, and Ventral Tegmental Area in Healthy Adults. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 149.	2.0	39
32	Sex differences in the interacting roles of impulsivity and positive alcohol expectancy in problem drinking: A structural brain imaging study. <i>NeuroImage: Clinical</i> , 2017, 14, 750-759.	2.7	38
33	Resting state functional connectivity of the amygdala and problem drinking in non-dependent alcohol drinkers. <i>Drug and Alcohol Dependence</i> , 2018, 185, 173-180.	3.2	38
34	Independent component analysis of functional networks for response inhibition: Inter-subject variation in stop signal reaction time. <i>Human Brain Mapping</i> , 2015, 36, 3289-3302.	3.6	36
35	Resting State Functional Connectivity of the Lateral and Medial Hypothalamus in Cocaine Dependence: An Exploratory Study. <i>Frontiers in Psychiatry</i> , 2018, 9, 344.	2.6	36
36	Error-related functional connectivity of the thalamus in cocaine dependence. <i>NeuroImage: Clinical</i> , 2014, 4, 585-592.	2.7	34

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37	Neural Processes of an Indirect Analog of Risk Taking in Young Nondependent Adult Alcohol Drinkers—An fMRI Study of the Stop Signal Task. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 768-779.	2.4	33
38	Deficits in default mode network activity preceding error in cocaine dependent individuals. <i>Drug and Alcohol Dependence</i> , 2011, 119, e51-e57.	3.2	32
39	Task-Related, Low-Frequency Task-Residual, and Resting State Activity in the Default Mode Network Brain Regions. <i>Frontiers in Psychology</i> , 2012, 3, 172.	2.1	32
40	A dual but asymmetric role of the dorsal anterior cingulate cortex in response inhibition and switching from a non-salient to salient action. <i>NeuroImage</i> , 2016, 134, 466-474.	4.2	32
41	Hemispheric lateralization of resting-state functional connectivity of the ventral striatum: an exploratory study. <i>Brain Structure and Function</i> , 2017, 222, 2573-2583.	2.3	32
42	The interrelationship of body mass index with gray matter volume and resting-state functional connectivity of the hypothalamus. <i>International Journal of Obesity</i> , 2020, 44, 1097-1107.	3.4	32
43	Response inhibition and fronto-striatal-thalamic circuit dysfunction in cocaine addiction. <i>Drug and Alcohol Dependence</i> , 2018, 192, 137-145.	3.2	30
44	Increased error-related thalamic activity during early compared to late cocaine abstinence. <i>Drug and Alcohol Dependence</i> , 2010, 109, 181-189.	3.2	29
45	Barratt Impulsivity and Neural Regulation of Physiological Arousal. <i>PLoS ONE</i> , 2015, 10, e0129139.	2.5	28
46	Alterations in functional networks during cue-reactivity in Internet gaming disorder. <i>Journal of Behavioral Addictions</i> , 2019, 8, 277-287.	3.7	28
47	Neural responses to negative facial emotions: Sex differences in the correlates of individual anger and fear traits. <i>NeuroImage</i> , 2020, 221, 117171.	4.2	28
48	Dynamic network dysfunction in cocaine dependence: Graph theoretical metrics and stop signal reaction time. <i>NeuroImage: Clinical</i> , 2018, 18, 793-801.	2.7	27
49	Ventral striatal dysfunction in cocaine dependence — difference mapping for subregional resting state functional connectivity. <i>Translational Psychiatry</i> , 2018, 8, 119.	4.8	27
50	Functional Connectivity Parcellation of the Human Thalamus by Independent Component Analysis. <i>Brain Connectivity</i> , 2017, 7, 602-616.	1.7	26
51	Depression in chronic ketamine users: Sex differences and neural bases. <i>Psychiatry Research - Neuroimaging</i> , 2017, 269, 1-8.	1.8	26
52	Exploring Age-Related Changes in Resting State Functional Connectivity of the Amygdala: From Young to Middle Adulthood. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 209.	3.4	23
53	Hypothalamic Responses to Cocaine and Food Cues in Individuals with Cocaine Dependence. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 754-764.	2.1	23
54	Alcohol Expectancy and Cerebral Responses to Cue-Elicited Craving in Adult Nondependent Drinkers. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 493-504.	1.5	23

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55	Association of Drinking Problems and Duration of Alcohol Use to Inhibitory Control in Nondependent Young Adult Social Drinkers. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 319-328.	2.4	22
56	Problem Drinking, Alcohol Expectancy, and Thalamic Resting-State Functional Connectivity in Nondependent Adult Drinkers. <i>Brain Connectivity</i> , 2018, 8, 487-502.	1.7	22
57	Reward sensitivity and electrodermal responses to actions and outcomes in a go/no-go task. <i>PLoS ONE</i> , 2019, 14, e0219147.	2.5	22
58	Cue-elicited craving, thalamic activity, and physiological arousal in adult non-dependent drinkers. <i>Journal of Psychiatric Research</i> , 2019, 116, 74-82.	3.1	22
59	Mapping cortical and subcortical asymmetries in substance dependence: Findings from the ENIGMA Addiction Working Group. <i>Addiction Biology</i> , 2021, 26, e13010.	2.6	22
60	Methylphenidate remediates error-preceding activation of the default mode brain regions in cocaine-addicted individuals. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 116-121.	1.8	21
61	The effects of methylphenidate on cerebral activations to salient stimuli in healthy adults.. <i>Experimental and Clinical Psychopharmacology</i> , 2014, 22, 154-165.	1.8	21
62	Cocaine dependence and thalamic functional connectivity: a multivariate pattern analysis. <i>NeuroImage: Clinical</i> , 2016, 12, 348-358.	2.7	21
63	Sex differences in neural responses to reward and the influences of individual reward and punishment sensitivity. <i>BMC Neuroscience</i> , 2021, 22, 12.	1.9	21
64	Impaired Bayesian learning for cognitive control in cocaine dependence. <i>Drug and Alcohol Dependence</i> , 2015, 151, 220-227.	3.2	20
65	Power spectrum scale invariance as a neural marker of cocaine misuse and altered cognitive control. <i>NeuroImage: Clinical</i> , 2016, 11, 349-356.	2.7	20
66	Distinct neural processes support post-success and post-error slowing in the stop signal task. <i>Neuroscience</i> , 2017, 357, 273-284.	2.3	20
67	Striatal functional connectivity in chronic ketamine users: a pilot study. <i>American Journal of Drug and Alcohol Abuse</i> , 2020, 46, 31-43.	2.1	20
68	The Effects of Age, from Young to Middle Adulthood, and Gender on Resting State Functional Connectivity of the Dopaminergic Midbrain. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 52.	2.0	19
69	Posterior Cingulate Cortical Response to Active Avoidance Mediates the Relationship between Punishment Sensitivity and Problem Drinking. <i>Journal of Neuroscience</i> , 2019, 39, 6354-6364.	3.6	19
70	Pain and reward circuits antagonistically modulate alcohol expectancy to regulate drinking. <i>Translational Psychiatry</i> , 2020, 10, 220.	4.8	19
71	Neural Responses to Reward in a Gambling Task: Sex Differences and Individual Variation in Reward-Driven Impulsivity. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa025.	1.6	16
72	Gray matter volume correlates of global positive alcohol expectancy in non-dependent adult drinkers. <i>Addiction Biology</i> , 2014, 19, 895-906.	2.6	15

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73	Resting-State Functional Connectivity of the Basal Nucleus of Meynert in Cigarette Smokers: Dependence Level and Gender Differences. <i>Nicotine and Tobacco Research</i> , 2017, 19, ntw209.	2.6	15
74	Motor Preparation Disrupts Proactive Control in the Stop Signal Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 151.	2.0	15
75	Hypothalamic response to cocaine cues and cocaine addiction severity. <i>Addiction Biology</i> , 2020, 25, e12682.	2.6	15
76	Threat bias and resting state functional connectivity of the amygdala and bed nucleus stria terminalis. <i>Journal of Psychiatric Research</i> , 2020, 122, 54-63.	3.1	15
77	The effects of methylphenidate on cerebral responses to conflict anticipation and unsigned prediction error in a stop-signal task. <i>Journal of Psychopharmacology</i> , 2016, 30, 283-293.	4.0	13
78	Individual variation in the neural processes of motor decisions in the stop signal task: the influence of novelty seeking and harm avoidance personality traits. <i>Brain Structure and Function</i> , 2016, 221, 2607-2618.	2.3	13
79	Thalamic Cortical Error-Related Responses in Adult Social Drinkers: Sex Differences and Problem Alcohol Use. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 868-877.	1.5	13
80	Interdependent Neural Correlates of Reward and Punishment Sensitivity During Rewarded Action and Inhibition of Action. <i>Cerebral Cortex</i> , 2020, 30, 1662-1676.	2.9	13
81	Neural correlates of reward-directed action and inhibition of action. <i>Cortex</i> , 2020, 123, 42-56.	2.4	13
82	Heart Rate Variability, Cue-Evoked Ventromedial Prefrontal Cortical Response, and Problem Alcohol Use in Adult Drinkers. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 619-628.	1.5	13
83	An information network flow approach for measuring functional connectivity and predicting behavior. <i>Brain and Behavior</i> , 2019, 9, e01346.	2.2	12
84	The Neural Processes Interlinking Social Isolation, Social Support, and Problem Alcohol Use. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 333-343.	2.1	12
85	White matter microstructure differences in individuals with dependence on cocaine, methamphetamine, and nicotine: Findings from the ENIGMA-Addiction working group. <i>Drug and Alcohol Dependence</i> , 2022, 230, 109185.	3.2	12
86	Perceived friendship and binge drinking in young adults: A study of the Human Connectome Project data. <i>Drug and Alcohol Dependence</i> , 2021, 224, 108731.	3.2	11
87	Depression Mediates the Relationship between Childhood Trauma and Internet Addiction in Female but Not Male Chinese Adolescents and Young Adults. <i>Journal of Clinical Medicine</i> , 2021, 10, 5015.	2.4	11
88	Gray matter volumetric correlates of dimensional impulsivity traits in children: Sex differences and heritability. <i>Human Brain Mapping</i> , 2022, 43, 2634-2652.	3.6	11
89	Cue-elicited functional connectivity of the periaqueductal gray and tonic cocaine craving. <i>Drug and Alcohol Dependence</i> , 2020, 216, 108240.	3.2	10
90	Noradrenergic correlates of chronic cocaine craving: neuromelanin and functional brain imaging. <i>Neuropsychopharmacology</i> , 2021, 46, 851-859.	5.4	10

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91	Altered functional network activities for behavioral adjustments and Bayesian learning in young men with Internet gaming disorder. <i>Journal of Behavioral Addictions</i> , 2021, 10, 112-122.	3.7	9
92	Cerebral responses to self-initiated action during social interactions. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 1521-1535.	2.0	8
93	Resting state hypothalamic and dorsomedial prefrontal cortical connectivity of the periaqueductal gray in cocaine addiction. <i>Addiction Biology</i> , 2020, 26, e12989.	2.6	8
94	Cognitive dysfunction and cerebral volumetric deficits in individuals with Alzheimer's disease, alcohol use disorder, and dual diagnosis. <i>Psychiatry Research - Neuroimaging</i> , 2021, 317, 111380.	1.8	8
95	Problem drinking alters gray matter volume and food cue responses of the lateral orbitofrontal cortex. <i>Addiction Biology</i> , 2021, 26, e12857.	2.6	6
96	Reward-Related Responses and Tonic Craving in Cocaine Addiction: An Imaging Study of the Monetary Incentive Delay Task. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 634-644.	2.1	6
97	Perceived stress, self-efficacy, and the cerebral morphometric markers in binge-drinking young adults. <i>NeuroImage: Clinical</i> , 2021, 32, 102866.	2.7	5
98	Brain structural covariance network differences in adults with alcohol dependence and heavy-drinking adolescents. <i>Addiction</i> , 2022, 117, 1312-1325.	3.3	4
99	Midcingulate Cortical Activations Interrelate Chronic Craving and Physiological Responses to Negative Emotions in Cocaine Addiction. <i>Biological Psychiatry Global Open Science</i> , 2021, 1, 37-47.	2.2	2