

# Xiao Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,781  
citations

430874

18  
h-index

501196

28  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-varying functional network information extracted from brief instances of spontaneous brain activity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4392-4397.	7.1	596
2	EEG correlates of time-varying BOLD functional connectivity. NeuroImage, 2013, 72, 227-236.	4.2	299
3	Tracking brain arousal fluctuations with fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4518-4523.	7.1	269
4	Quantitative imaging of energy expenditure in human brain. NeuroImage, 2012, 60, 2107-2117.	4.2	206
5	Subcortical evidence for a contribution of arousal to fMRI studies of brain activity. Nature Communications, 2018, 9, 395.	12.8	174
6	Decomposition of spontaneous brain activity into distinct fMRI co-activation patterns. Frontiers in Systems Neuroscience, 2013, 7, 101.	2.5	171
7	Neural Origin of Spontaneous Hemodynamic Fluctuations in Rats under Burst-Suppression Anesthesia Condition. Cerebral Cortex, 2011, 21, 374-384.	2.9	157
8	Co-activation patterns in resting-state fMRI signals. NeuroImage, 2018, 180, 485-494.	4.2	141
9	Dynamic resting state functional connectivity in awake and anesthetized rodents. NeuroImage, 2015, 104, 89-99.	4.2	126
10	The Change of Functional Connectivity Specificity in Rats Under Various Anesthesia Levels and its Neural Origin. Brain Topography, 2013, 26, 363-377.	1.8	99
11	A correlation-matrix-based hierarchical clustering method for functional connectivity analysis. Journal of Neuroscience Methods, 2012, 211, 94-102.	2.5	72
12	Arousal transitions in sleep, wakefulness, and anesthesia are characterized by an orderly sequence of cortical events. NeuroImage, 2015, 116, 222-231.	4.2	59
13	Reduced coupling between cerebrospinal fluid flow and global brain activity is linked to Alzheimer disease-related pathology. PLoS Biology, 2021, 19, e3001233.	5.6	44
14	Brain Activity Fluctuations Propagate as Waves Traversing the Cortical Hierarchy. Cerebral Cortex, 2021, 31, 3986-4005.	2.9	43
15	Baseline BOLD correlation predicts individuals' stimulus-evoked BOLD responses. NeuroImage, 2011, 54, 2278-2286.	4.2	41
16	Co-Regularized Deep Multi-Network Embedding., 2018, , .		35
17	Robust Long-Range Coordination of Spontaneous Neural Activity in Waking, Sleep and Anesthesia. Cerebral Cortex, 2015, 25, 2929-2938.	2.9	33
18	Spatio-Temporal Attentive RNN for Node Classification in Temporal Attributed Graphs. , 2019, , .		30

#	ARTICLE	IF	CITATIONS
19	Decoupling of Global Brain Activity and Cerebrospinal Fluid Flow in Parkinson's Disease Cognitive Decline. <i>Movement Disorders</i> , 2021, 36, 2066-2076.	3.9	26
20	The measurement of shear modulus and membrane surface viscosity of RBC membrane with Ektacytometry: A new technique. <i>Mathematical Biosciences</i> , 2007, 209, 190-204.	1.9	23
21	Transient Arousal Modulations Contribute to Resting-State Functional Connectivity Changes Associated with Head Motion Parameters. <i>Cerebral Cortex</i> , 2020, 30, 5242-5256.	2.9	20
22	All-night functional magnetic resonance imaging sleep studies. <i>Journal of Neuroscience Methods</i> , 2019, 316, 83-98.	2.5	19
23	Arousal Contributions to Resting-State fMRI Connectivity and Dynamics. <i>Frontiers in Neuroscience</i> , 2019, 13, 1190.	2.8	17
24	Biophysical Studies on the Differentiation of Human CD14 <sup>+</sup> Monocytes Into Dendritic Cells. <i>Cell Biochemistry and Biophysics</i> , 2006, 45, 19-30.	1.8	16
25	Single-neuron firing cascades underlie global spontaneous brain events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
26	Adaptive Neural Network for Node Classification in Dynamic Networks. , 2019, , .		10
27	A Neurophysiological Event of Arousal Modulation May Underlie fMRI-EEG Correlations. <i>Frontiers in Neuroscience</i> , 2019, 13, 823.	2.8	9
28	Neuroimaging contrast across the cortical hierarchy is the feature maximally linked to behavior and demographics. <i>NeuroImage</i> , 2020, 215, 116853.	4.2	8
29	Functional MRI study of brain function under resting and activated states. , 2009, 2009, 4061-3.		3
30	Ryanodine receptor 1 mediates Ca <sup>2+</sup> transport and influences the biomechanical properties in RBCs. <i>Journal of Biomechanics</i> , 2009, 42, 2774-2779.	2.1	2
31	Distinction in Coherent Neural Network Between Resting and Working Brain States. <i>Brain Connectivity</i> , 2011, 1, 377-388.	1.7	2
32	Study of Brain Bioenergetics and Function Using In Vivo MRS. <i>Biological Magnetic Resonance</i> , 2015, , 819-864.	0.4	1