

Xiao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,781
citations

430442

18
h-index

500791

28
g-index

39
all docs

39
docs citations

39
times ranked

3158
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Brain Activity Fluctuations Propagate as Waves Traversing the Cortical Hierarchy. <i>Cerebral Cortex</i> , 2021, 31, 3986-4005. | 1.6 | 43 |
| 2 | Decoupling of Global Brain Activity and Cerebrospinal Fluid Flow in Parkinson's Disease Cognitive Decline. <i>Movement Disorders</i> , 2021, 36, 2066-2076. | 2.2 | 26 |
| 3 | Reduced coupling between cerebrospinal fluid flow and global brain activity is linked to Alzheimer disease-related pathology. <i>PLoS Biology</i> , 2021, 19, e3001233. | 2.6 | 44 |
| 4 | 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, . | 3.3 | 15 |
| 5 | Transient Arousal Modulations Contribute to Resting-State Functional Connectivity Changes Associated with Head Motion Parameters. <i>Cerebral Cortex</i> , 2020, 30, 5242-5256. | 1.6 | 20 |
| 6 | Neuroimaging contrast across the cortical hierarchy is the feature maximally linked to behavior and demographics. <i>NeuroImage</i> , 2020, 215, 116853. | 2.1 | 8 |
| 7 | A Neurophysiological Event of Arousal Modulation May Underlie fMRI-EEG Correlations. <i>Frontiers in Neuroscience</i> , 2019, 13, 823. | 1.4 | 9 |
| 8 | Adaptive Neural Network for Node Classification in Dynamic Networks. , 2019, , . | | 10 |
| 9 | Arousal Contributions to Resting-State fMRI Connectivity and Dynamics. <i>Frontiers in Neuroscience</i> , 2019, 13, 1190. | 1.4 | 17 |
| 10 | All-night functional magnetic resonance imaging sleep studies. <i>Journal of Neuroscience Methods</i> , 2019, 316, 83-98. | 1.3 | 19 |
| 11 | Spatio-Temporal Attentive RNN for Node Classification in Temporal Attributed Graphs. , 2019, , . | | 30 |
| 12 | Co-activation patterns in resting-state fMRI signals. <i>NeuroImage</i> , 2018, 180, 485-494. | 2.1 | 141 |
| 13 | Subcortical evidence for a contribution of arousal to fMRI studies of brain activity. <i>Nature Communications</i> , 2018, 9, 395. | 5.8 | 174 |
| 14 | Co-Regularized Deep Multi-Network Embedding. , 2018, , . | | 35 |
| 15 | Tracking brain arousal fluctuations with fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4518-4523. | 3.3 | 269 |
| 16 | Arousal transitions in sleep, wakefulness, and anesthesia are characterized by an orderly sequence of cortical events. <i>NeuroImage</i> , 2015, 116, 222-231. | 2.1 | 59 |
| 17 | Robust Long-Range Coordination of Spontaneous Neural Activity in Waking, Sleep and Anesthesia. <i>Cerebral Cortex</i> , 2015, 25, 2929-2938. | 1.6 | 33 |
| 18 | Dynamic resting state functional connectivity in awake and anesthetized rodents. <i>NeuroImage</i> , 2015, 104, 89-99. | 2.1 | 126 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Study of Brain Bioenergetics and Function Using In Vivo MRS. <i>Biological Magnetic Resonance</i> , 2015, , 819-864. | 0.4 | 1 |
| 20 | The Change of Functional Connectivity Specificity in Rats Under Various Anesthesia Levels and its Neural Origin. <i>Brain Topography</i> , 2013, 26, 363-377. | 0.8 | 99 |
| 21 | EEG correlates of time-varying BOLD functional connectivity. <i>NeuroImage</i> , 2013, 72, 227-236. | 2.1 | 299 |
| 22 | Time-varying functional network information extracted from brief instances of spontaneous brain activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4392-4397. | 3.3 | 596 |
| 23 | Decomposition of spontaneous brain activity into distinct fMRI co-activation patterns. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 101. | 1.2 | 171 |
| 24 | Quantitative imaging of energy expenditure in human brain. <i>NeuroImage</i> , 2012, 60, 2107-2117. | 2.1 | 206 |
| 25 | A correlation-matrix-based hierarchical clustering method for functional connectivity analysis. <i>Journal of Neuroscience Methods</i> , 2012, 211, 94-102. | 1.3 | 72 |
| 26 | Baseline BOLD correlation predicts individuals' stimulus-evoked BOLD responses. <i>NeuroImage</i> , 2011, 54, 2278-2286. | 2.1 | 41 |
| 27 | Distinction in Coherent Neural Network Between Resting and Working Brain States. <i>Brain Connectivity</i> , 2011, 1, 377-388. | 0.8 | 2 |
| 28 | Neural Origin of Spontaneous Hemodynamic Fluctuations in Rats under Burst-Suppression Anesthesia Condition. <i>Cerebral Cortex</i> , 2011, 21, 374-384. | 1.6 | 157 |
| 29 | Functional MRI study of brain function under resting and activated states. , 2009, 2009, 4061-3. | | 3 |
| 30 | Ryanodine receptor 1 mediates Ca ²⁺ transport and influences the biomechanical properties in RBCs. <i>Journal of Biomechanics</i> , 2009, 42, 2774-2779. | 0.9 | 2 |
| 31 | 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. | 0.9 | 23 |
| 32 | Biophysical Studies on the Differentiation of Human CD14 ⁺ Monocytes Into Dendritic Cells. <i>Cell Biochemistry and Biophysics</i> , 2006, 45, 19-30. | 0.9 | 16 |