Biao Cai

List of Publications by Year
in descending order

18 papers	286 citations	1040056 9 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	334 citing authors

#	Article	IF	Citations
1	Deep Learning in Neuroimaging: Promises and challenges. IEEE Signal Processing Magazine, 2022, 39, 87-98.	5.6	25
2	Functional connectomes incorporating phase synchronization for the characterization and prediction of individual differences. Journal of Neuroscience Methods, 2022, 372, 109539.	2.5	0
3	Correlation Guided Graph Learning to Estimate Functional Connectivity Patterns From fMRI Data. IEEE Transactions on Biomedical Engineering, 2021, 68, 1154-1165.	4.2	5
4	Multi-Paradigm fMRI Fusion via Sparse Tensor Decomposition in Brain Functional Connectivity Study. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1712-1723.	6.3	7
5	Functional connectome fingerprinting: Identifying individuals and predicting cognitive functions via autoencoder. Human Brain Mapping, 2021, 42, 2691-2705.	3.6	23
6	Interpretable Multimodal Fusion Networks Reveal Mechanisms of Brain Cognition. IEEE Transactions on Medical Imaging, 2021, 40, 1474-1483.	8.9	30
7	Estimating Dynamic Functional Brain Connectivity With a Sparse Hidden Markov Model. IEEE Transactions on Medical Imaging, 2020, 39, 488-498.	8.9	33
8	Joint Bayesian-Incorporating Estimation of Multiple Gaussian Graphical Models to Study Brain Connectivity Development in Adolescence. IEEE Transactions on Medical Imaging, 2020, 39, 357-365.	8.9	4
9	A GICA-TVGL framework to study sex differences in resting state fMRI dynamic connectivity. Journal of Neuroscience Methods, 2020, 332, 108531.	2.5	11
10	Prediction and classification of sleep quality based on phase synchronization related whole-brain dynamic connectivity using resting state fMRI. NeuroImage, 2020, 221, 117190.	4.2	18
11	Refined measure of functional connectomes for improved identifiability and prediction. Human Brain Mapping, 2019, 40, 4843-4858.	3.6	13
12	Deep Collaborative Learning With Application to the Study of Multimodal Brain Development. IEEE Transactions on Biomedical Engineering, 2019, 66, 3346-3359.	4.2	34
13	Capturing Dynamic Connectivity From Resting State fMRI Using Time-Varying Graphical Lasso. IEEE Transactions on Biomedical Engineering, 2019, 66, 1852-1862.	4.2	32
14	Distance canonical correlation analysis with application to an imaging-genetic study. Journal of Medical Imaging, 2019, 6, 1.	1.5	8
15	Improved estimation of dynamic connectivity from resting-state fMRI data. , 2019, , .		0
16	Estimation of Dynamic Sparse Connectivity Patterns From Resting State fMRI. IEEE Transactions on Medical Imaging, 2018, 37, 1224-1234.	8.9	33
17	Multi-modal Brain Connectivity Study Using Deep Collaborative Learning. Lecture Notes in Computer Science, 2018, , 66-73.	1.3	3
18	Multielemental Analysis of Human Serum by Dynamic Reaction Cellâ€"Inductively Coupled Plasma Mass Spectrometry. Analytical Letters, 2017, 50, 554-566.	1.8	7