

# Biao Cai

## List of Publications by Year in descending order

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