Yunjie Tong

List of Publications by Year
in descending order

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36 papers	1,467 citations	471061 17 h-index	377514 34 g-index
37 all docs	37 docs citations	37 times ranked	1218 citing authors

#	Article	IF	Citations
1	Time lag dependent multimodal processing of concurrent fMRI and near-infrared spectroscopy (NIRS) data suggests a global circulatory origin for low-frequency oscillation signals in human brain. NeuroImage, 2010, 53, 553-564.	2.1	172
2	Best practices for fNIRS publications. Neurophotonics, 2021, 8, 012101.	1.7	142
3	Low Frequency Systemic Hemodynamic â€œNoiseâ€• in Resting State BOLD fMRI: Characteristics, Causes, Implications, Mitigation Strategies, and Applications. Frontiers in Neuroscience, 2019, 13, 787.	1.4	122
4	Partitioning of Physiological Noise Signals in the Brain with Concurrent Near-Infrared Spectroscopy and fMRI. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2352-2362.	2.4	102
5	Low-frequency oscillations measured in the periphery with near-infrared spectroscopy are strongly correlated with blood oxygen level-dependent functional magnetic resonance imaging signals. Journal of Biomedical Optics, 2012, 17, 1.	1.4	99
6	Evaluating the effects of systemic low frequency oscillations measured in the periphery on the independent component analysis results of resting state networks. NeuroImage, 2013, 76, 202-215.	2.1	80
7	Perfusion information extracted from resting state functional magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 564-576.	2.4	79
8	Time delay processing of hypercapnic fMRI allows quantitative parameterization of cerebrovascular reactivity and blood flow delays. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1767-1779.	2.4	71
9	Concurrent fNIRS and fMRI processing allows independent visualization of the propagation of pressure waves and bulk blood flow in the cerebral vasculature. NeuroImage, 2012, 61, 1419-1427.	2.1	64
10	Studying the Spatial Distribution of Physiological Effects on BOLD Signals Using Ultrafast fMRI. Frontiers in Human Neuroscience, 2014, 8, 196.	1.0	64
11	Can apparent resting state connectivity arise from systemic fluctuations?. Frontiers in Human Neuroscience, 2015, 9, 285.	1.0	61
12	The resting-state fMRI arterial signal predicts differential blood transit time through the brain. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1148-1160.	2.4	60
13	Tracking cerebral blood flow in BOLD fMRI using recursively generated regressors. Human Brain Mapping, 2014, 35, 5471-5485.	1.9	57
14	An improved method for mapping cerebrovascular reserve using concurrent fMRI and near-infrared spectroscopy with Regressor Interpolation at Progressive Time Delays (RIPTiDe). NeuroImage, 2011, 56, 2047-2057.	2.1	44
15	Comparison of peripheral nearâ€infrared spectroscopy lowâ€frequency oscillations to other denoising methods in resting state functional MRI with ultrahigh temporal resolution. Magnetic Resonance in Medicine, 2016, 76, 1697-1707.	1.9	36
16	Short repetition time multiband echoâ€planar imaging with simultaneous pulse recording allows dynamic imaging of the cardiac pulsation signal. Magnetic Resonance in Medicine, 2014, 72, 1268-1276.	1.9	34
17	Coupling between cerebrovascular oscillations and CSF flow fluctuations during wakefulness: An fMRI study. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1091-1103.	2.4	22
18	Isolating the sources of widespread physiological fluctuations in functional near-infrared spectroscopy signals. Journal of Biomedical Optics, 2011, 16, 106005.	1.4	20

#	ARTICLE	IF	CITATIONS
19	Cerebral circulation time derived from fMRI signals in large blood vessels. Journal of Magnetic Resonance Imaging, 2019, 50, 1504-1513.	1.9	19
20	A novel method of quantifying hemodynamic delays to improve hemodynamic response, and CVR estimates in CO2 challenge fMRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2097858.	2.4	16
21	Vascular effects of caffeine found in BOLD fMRI. Journal of Neuroscience Research, 2019, 97, 456-466.	1.3	14
22	Design of multichannel functional near-infrared spectroscopy system with application to propofol and sevoflurane anesthesia monitoring. Neurophotonics, 2016, 3, 045001.	1.7	12
23	Tracking Brain Development From Neonates to the Elderly by Hemoglobin Phase Measurement Using Functional Near-Infrared Spectroscopy. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2497-2509.	3.9	12
24	Systemic low-frequency oscillations observed in the periphery of healthy human subjects. Journal of Biomedical Optics, 2018, 23, 1.	1.4	12
25	Monitoring anesthesia using simultaneous functional Near Infrared Spectroscopy and Electroencephalography. Clinical Neurophysiology, 2021, 132, 1636-1646.	0.7	10
26	Symbolic time series analysis of fNIRS signals in brain development assessment. Journal of Neural Engineering, 2018, 15, 066013.	1.8	8
27	Characterizing <scp>nearâ€infrared</scp> spectroscopy signal under hypercapnia. Journal of Biophotonics, 2020, 13, e202000173.	1.1	5
28	A low-cost multichannel NIRS oximeter for monitoring systemic low-frequency oscillations. Neural Computing and Applications, 2020, 32, 15629-15641.	3.2	5
29	Using carpet plots to analyze transit times of low frequency oscillations in resting state fMRI. Scientific Reports, 2021, 11, 7011.	1.6	5
30	Asymmetry of peripheral vascular biomarkers in ischemic stroke patients, assessed using NIRS. Journal of Biomedical Optics, 2020, 25, 1.	1.4	5
31	Spatial complexity method for tracking brain development and degeneration using functional near-infrared spectroscopy. Biomedical Optics Express, 2022, 13, 1718.	1.5	5
32	Whole body measurements using near-infrared spectroscopy in a rat spinal cord contusion injury model. Journal of Spinal Cord Medicine, 2021, , 1-13.	0.7	4
33	Optimized multimodal functional magnetic resonance imaging/near-infrared spectroscopy probe for ultrahigh-resolution mapping. Neurophotonics, 2015, 2, 045004.	1.7	2
34	Development of brain atlases for early-to-middle adolescent collision-sport athletes. Scientific Reports, 2021, 11, 6440.	1.6	1
35	Imageâ€based modeling of biomechanical factors for risk assessment of developing periventricular white matter hyperintensities. Alzheimer's and Dementia, 2020, 16, e041888.	0.4	0
36	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. Journal of Vision, 2019, 19, 79.	0.1	0