

Yunjie Tong

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

851
citations

16
h-index

29
g-index

37
ext. papers

1,143
ext. citations

4.8
avg. IF

4.62
L-index

#	Paper	IF	Citations
37	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. <i>NeuroImage</i> , 2010 , 53, 553-64	7.9	138
36	Partitioning of physiological noise signals in the brain with concurrent near-infrared spectroscopy and fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 2352-62	7.3	64
35	Low-frequency oscillations measured in the periphery with near-infrared spectroscopy are strongly correlated with blood oxygen level-dependent functional magnetic resonance imaging signals. <i>Journal of Biomedical Optics</i> , 2012 , 17, 106004	3.5	63
34	Perfusion information extracted from resting state functional magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 564-576	7.3	53
33	Evaluating the effects of systemic low frequency oscillations measured in the periphery on the independent component analysis results of resting state networks. <i>NeuroImage</i> , 2013 , 76, 202-15	7.9	53
32	Low Frequency Systemic Hemodynamic "Noise" in Resting State BOLD fMRI: Characteristics, Causes, Implications, Mitigation Strategies, and Applications. <i>Frontiers in Neuroscience</i> , 2019 , 13, 787	5.1	49
31	Studying the Spatial Distribution of Physiological Effects on BOLD Signals Using Ultrafast fMRI. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 196	3.3	49
30	Concurrent fNIRS and fMRI processing allows independent visualization of the propagation of pressure waves and bulk blood flow in the cerebral vasculature. <i>NeuroImage</i> , 2012 , 61, 1419-27	7.9	49
29	Can apparent resting state connectivity arise from systemic fluctuations?. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 285	3.3	40
28	Best practices for fNIRS publications. <i>NeuroPhotonics</i> , 2021 , 8, 012101	3.9	39
27	Time delay processing of hypercapnic fMRI allows quantitative parameterization of cerebrovascular reactivity and blood flow delays. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1767-1779	7.3	38
26	The resting-state fMRI arterial signal predicts differential blood transit time through the brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1148-1160	7.3	37
25	Tracking cerebral blood flow in BOLD fMRI using recursively generated regressors. <i>Human Brain Mapping</i> , 2014 , 35, 5471-85	5.9	34
24	An improved method for mapping cerebrovascular reserve using concurrent fMRI and near-infrared spectroscopy with Regressor Interpolation at Progressive Time Delays (RIPTiDe). <i>NeuroImage</i> , 2011 , 56, 2047-57	7.9	30
23	Comparison of peripheral near-infrared spectroscopy low-frequency oscillations to other denoising methods in resting state functional MRI with ultrahigh temporal resolution. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1697-1707	4.4	24
22	Short repetition time multiband echo-planar imaging with simultaneous pulse recording allows dynamic imaging of the cardiac pulsation signal. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 1268-76	4.4	22
21	Isolating the sources of widespread physiological fluctuations in functional near-infrared spectroscopy signals. <i>Journal of Biomedical Optics</i> , 2011 , 16, 106005	3.5	16

20	Cerebral circulation time derived from fMRI signals in large blood vessels. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1504-1513	5.6	8
19	Design of multichannel functional near-infrared spectroscopy system with application to propofol and sevoflurane anesthesia monitoring. <i>Neurophotonics</i> , 2016 , 3, 045001	3.9	8
18	Systemic low-frequency oscillations observed in the periphery of healthy human subjects. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-11	3.5	6
17	Vascular effects of caffeine found in BOLD fMRI. <i>Journal of Neuroscience Research</i> , 2019 , 97, 456-466	4.4	6
16	Tracking Brain Development From Neonates to the Elderly by Hemoglobin Phase Measurement Using Functional Near-Infrared Spectroscopy. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 2497-2509	7.2	5
15	Symbolic time series analysis of fNIRS signals in brain development assessment. <i>Journal of Neural Engineering</i> , 2018 , 15, 066013	5	5
14	A novel method of quantifying hemodynamic delays to improve hemodynamic response, and CVR estimates in CO2 challenge fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1886-1898	7.3	3
13	Asymmetry of peripheral vascular biomarkers in ischemic stroke patients, assessed using NIRS. <i>Journal of Biomedical Optics</i> , 2020 , 25, 1-16	3.5	2
12	Characterizing near-infrared spectroscopy signal under hypercapnia. <i>Journal of Biophotonics</i> , 2020 , 13, e202000173	3.1	2
11	Whole body measurements using near-infrared spectroscopy in a rat spinal cord contusion injury model. <i>Journal of Spinal Cord Medicine</i> , 2021 , 1-13	1.9	2
10	Monitoring anesthesia using simultaneous functional Near Infrared Spectroscopy and Electroencephalography. <i>Clinical Neurophysiology</i> , 2021 , 132, 1636-1646	4.3	2
9	A low-cost multichannel NIRS oximeter for monitoring systemic low-frequency oscillations. <i>Neural Computing and Applications</i> , 2020 , 32, 15629-15641	4.8	1
8	Optimized multimodal functional magnetic resonance imaging/near-infrared spectroscopy probe for ultrahigh-resolution mapping. <i>Neurophotonics</i> , 2015 , 2, 045004	3.9	1
7	Coupling between cerebrovascular oscillations and CSF flow fluctuations during wakefulness: An fMRI study.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221074639	7.3	1
6	Coupling between cerebrovascular oscillations and CSF flow fluctuation during wakefulness: An fMRI study		1
5	Using carpet plots to analyze transit times of low frequency oscillations in resting state fMRI. <i>Scientific Reports</i> , 2021 , 11, 7011	4.9	0
4	Spatial complexity method for tracking brain development and degeneration using functional near-infrared spectroscopy.. <i>Biomedical Optics Express</i> , 2022 , 13, 1718-1736	3.5	0
3	Image-based modeling of biomechanical factors for risk assessment of developing periventricular white matter hyperintensities. <i>Alzheimerz and Dementia</i> , 2020 , 16, e041888	1.2	

- 2 The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. *Journal of Vision*, **2019**, 19, 79 0.4
- 1 Development of brain atlases for early-to-middle adolescent collision-sport athletes. *Scientific Reports*, **2021**, 11, 6440 4.9