Yunjie Tong

List of Publications by Year in Descending Order

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	Coupling between cerebrovascular oscillations and CSF flow fluctuations during wakefulness: An fMRI study.. *Journal of Cerebral Blood Flow and Metabolism*, **2022**, 271678X221074639	7.3	1
36	Spatial complexity method for tracking brain development and degeneration using functional near-infrared spectroscopy.. *Biomedical Optics Express*, **2022**, 13, 1718-1736	3.5	0
35	Development of brain atlases for early-to-middle adolescent collision-sport athletes. *Scientific Reports*, **2021**, 11, 6440	4.9	
34	Using carpet plots to analyze transit times of low frequency oscillations in resting state fMRI. *Scientific Reports*, **2021**, 11, 7011	4.9	0
33	Whole body measurements using near-infrared spectroscopy in a rat spinal cord contusion injury model. *Journal of Spinal Cord Medicine*, **2021**, 1-13	1.9	2
32	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	7.2	5
31	Monitoring anesthesia using simultaneous functional Near Infrared Spectroscopy and Electroencephalography. *Clinical Neurophysiology*, **2021**, 132, 1636-1646	4.3	2
30	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, 1886-1898	7.3	3
29	Best practices for fNIRS publications. *Neurophotonics*, **2021**, 8, 012101	3.9	39
28	Image-based modeling of biomechanical factors for risk assessment of developing periventricular white matter hyperintensities. *Alzheimer's and Dementia*, **2020**, 16, e041888	1.2	
27	A low-cost multichannel NIRS oximeter for monitoring systemic low-frequency oscillations. *Neural Computing and Applications*, **2020**, 32, 15629-15641	4.8	1
26	Asymmetry of peripheral vascular biomarkers in ischemic stroke patients, assessed using NIRS. *Journal of Biomedical Optics*, **2020**, 25, 1-16	3.5	2
25	Characterizing near-infrared spectroscopy signal under hypercapnia. *Journal of Biophotonics*, **2020**, 13, e202000173	3.1	2
24	Low Frequency Systemic Hemodynamic "Noise" in Resting State BOLD fMRI: Characteristics, Causes, Implications, Mitigation Strategies, and Applications. *Frontiers in Neuroscience*, **2019**, 13, 787	5.1	49
23	Cerebral circulation time derived from fMRI signals in large blood vessels. *Journal of Magnetic Resonance Imaging*, **2019**, 50, 1504-1513	5.6	8
22	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. *Journal of Vision*, **2019**, 19, 79	0.4	
21	Vascular effects of caffeine found in BOLD fMRI. *Journal of Neuroscience Research*, **2019**, 97, 456-466	4.4	6

20	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	7.3	37
19	Systemic low-frequency oscillations observed in the periphery of healthy human subjects. *Journal of Biomedical Optics*, **2018**, 23, 1-11	3.5	6
18	Symbolic time series analysis of fNIRS signals in brain development assessment. *Journal of Neural Engineering*, **2018**, 15, 066013	5	5
17	Perfusion information extracted from resting state functional magnetic resonance imaging. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 564-576	7.3	53
16	Design of multichannel functional near-infrared spectroscopy system with application to propofol and sevoflurane anesthesia monitoring. *Neurophotonics*, **2016**, 3, 045001	3.9	8
15	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	7.3	38
14	Comparison of peripheral near-infrared spectroscopy low-frequency oscillations to other denoising methods in resting state functional MRI with ultrahigh temporal resolution. *Magnetic Resonance in Medicine*, **2016**, 76, 1697-1707	4.4	24
13	Can apparent resting state connectivity arise from systemic fluctuations?. *Frontiers in Human Neuroscience*, **2015**, 9, 285	3.3	40
12	Optimized multimodal functional magnetic resonance imaging/near-infrared spectroscopy probe for ultrahigh-resolution mapping. *Neurophotonics*, **2015**, 2, 045004	3.9	1
11	Tracking cerebral blood flow in BOLD fMRI using recursively generated regressors. *Human Brain Mapping*, **2014**, 35, 5471-85	5.9	34
10	Studying the Spatial Distribution of Physiological Effects on BOLD Signals Using Ultrafast fMRI. *Frontiers in Human Neuroscience*, **2014**, 8, 196	3.3	49
9	Short repetition time multiband echo-planar imaging with simultaneous pulse recording allows dynamic imaging of the cardiac pulsation signal. *Magnetic Resonance in Medicine*, **2014**, 72, 1268-76	4.4	22
8	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, 202-15	7.9	53
7	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, 1419-27	7.9	49
6	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, 106004	3.5	63
5	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, 2047-57	7.9	30
4	Isolating the sources of widespread physiological fluctuations in functional near-infrared spectroscopy signals. *Journal of Biomedical Optics*, **2011**, 16, 106005	3.5	16
3	Partitioning of physiological noise signals in the brain with concurrent near-infrared spectroscopy and fMRI. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 2352-62	7.3	64

2	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, 553-64	7.9	138
1	Coupling between cerebrovascular oscillations and CSF flow fluctuation during wakefulness: An fMRI study		1