Silvina L Ferradal

List of Publications by Year
in descending order

19 papers	1,364 citations	623734 14 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	1343 citing authors

#	Article	IF	Citations
1	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. Cerebral Cortex, 2022, 32, 725-736.	2.9	12
2	Abnormalities in cerebral hemodynamics and changes with surgical intervention in neonates with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2012-2021.	0.8	23
3	Global motion detection and censoring in high‐density diffuse optical tomography. Human Brain Mapping, 2020, 41, 4093-4112.	3.6	41
4	Exploring early human brain development with structural and physiological neuroimaging. NeuroImage, 2019, 187, 226-254.	4.2	110
5	System-Specific Patterns of Thalamocortical Connectivity in Early Brain Development as Revealed by Structural and Functional MRI. Cerebral Cortex, 2019, 29, 1218-1229.	2.9	24
6	Lightweight sCMOS-based high-density diffuse optical tomography. Neurophotonics, 2018, 5, 1.	3.3	7
7	Non-invasive Assessment of Cerebral Blood Flow and Oxygen Metabolism in Neonates during Hypothermic Cardiopulmonary Bypass: Feasibility and Clinical Implications. Scientific Reports, 2017, 7, 44117.	3.3	41
8	Functional Imaging of the Developing Brain at the Bedside Using Diffuse Optical Tomography. Cerebral Cortex, 2016, 26, 1558-1568.	2.9	85
9	Atlas-based high-density diffuse optical tomography for imaging the whole human cortex. , 2015, , .		0
10	Evaluation of rigid registration methods for whole head imaging in diffuse optical tomography. Neurophotonics, 2015, 2, 035002.	3.3	11
11	Fast and efficient image reconstruction for high density diffuse optical imaging of the human brain. Biomedical Optics Express, 2015, 6, 4567.	2.9	22
12	Quantitative evaluation of atlas-based high-density diffuse optical tomography for imaging of the human visual cortex. Biomedical Optics Express, 2014, 5, 3882.	2.9	34
13	Mapping Higher-Order Brain Function and Resting-State Networks with Diffuse Optical Tomography. , 2014, , .		0
14	Mapping distributed brain function and networks with diffuse optical tomography. Nature Photonics, 2014, 8, 448-454.	31.4	459
15	Statistical analysis of high density diffuse optical tomography. NeuroImage, 2014, 85, 104-116.	4.2	55
16	Atlas-based head modeling and spatial normalization for high-density diffuse optical tomography: In vivo validation against fMRI. NeuroImage, 2014, 85, 117-126.	4.2	105
17	High-density diffuse optical tomography of term infant visual cortex in the nursery. Journal of Biomedical Optics, 2012, 17, 081414.	2.6	37
18	Bedside optical imaging of occipital resting-state functional connectivity in neonates. NeuroImage, 2012, 59, 2529-2538.	4.2	92

#	ARTICLE	IF	CITATIONS
19	A quantitative spatial comparison of high-density diffuse optical tomography and fMRI cortical mapping. NeuroImage, 2012, 61, 1120-1128.	4.2	205