

Silvina L Ferradal

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,364
citations

623699

14
h-index

888047

17
g-index

20
all docs

20
docs citations

20
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping distributed brain function and networks with diffuse optical tomography. <i>Nature Photonics</i> , 2014, 8, 448-454.	31.4	459
2	A quantitative spatial comparison of high-density diffuse optical tomography and fMRI cortical mapping. <i>NeuroImage</i> , 2012, 61, 1120-1128.	4.2	205
3	Exploring early human brain development with structural and physiological neuroimaging. <i>NeuroImage</i> , 2019, 187, 226-254.	4.2	110
4	Atlas-based head modeling and spatial normalization for high-density diffuse optical tomography: In vivo validation against fMRI. <i>NeuroImage</i> , 2014, 85, 117-126.	4.2	105
5	Bedside optical imaging of occipital resting-state functional connectivity in neonates. <i>NeuroImage</i> , 2012, 59, 2529-2538.	4.2	92
6	Functional Imaging of the Developing Brain at the Bedside Using Diffuse Optical Tomography. <i>Cerebral Cortex</i> , 2016, 26, 1558-1568.	2.9	85
7	Statistical analysis of high density diffuse optical tomography. <i>NeuroImage</i> , 2014, 85, 104-116.	4.2	55
8	Non-invasive Assessment of Cerebral Blood Flow and Oxygen Metabolism in Neonates during Hypothermic Cardiopulmonary Bypass: Feasibility and Clinical Implications. <i>Scientific Reports</i> , 2017, 7, 44117.	3.3	41
9	Global motion detection and censoring in high-density diffuse optical tomography. <i>Human Brain Mapping</i> , 2020, 41, 4093-4112.	3.6	41
10	High-density diffuse optical tomography of term infant visual cortex in the nursery. <i>Journal of Biomedical Optics</i> , 2012, 17, 081414.	2.6	37
11	Quantitative evaluation of atlas-based high-density diffuse optical tomography for imaging of the human visual cortex. <i>Biomedical Optics Express</i> , 2014, 5, 3882.	2.9	34
12	System-Specific Patterns of Thalamocortical Connectivity in Early Brain Development as Revealed by Structural and Functional MRI. <i>Cerebral Cortex</i> , 2019, 29, 1218-1229.	2.9	24
13	Abnormalities in cerebral hemodynamics and changes with surgical intervention in neonates with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2012-2021.	0.8	23
14	Fast and efficient image reconstruction for high density diffuse optical imaging of the human brain. <i>Biomedical Optics Express</i> , 2015, 6, 4567.	2.9	22
15	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. <i>Cerebral Cortex</i> , 2022, 32, 725-736.	2.9	12
16	Evaluation of rigid registration methods for whole head imaging in diffuse optical tomography. <i>Neurophotonics</i> , 2015, 2, 035002.	3.3	11
17	Lightweight sCMOS-based high-density diffuse optical tomography. <i>Neurophotonics</i> , 2018, 5, 1.	3.3	7
18	Mapping Higher-Order Brain Function and Resting-State Networks with Diffuse Optical Tomography. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Atlas-based high-density diffuse optical tomography for imaging the whole human cortex. , 2015, , .		0