

Katherine L Perdue

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,703
citations

516561

16
h-index

580701

25
g-index

29
all docs

29
docs citations

29
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete head cerebral sensitivity mapping for diffuse correlation spectroscopy using subject-specific magnetic resonance imaging models. <i>Biomedical Optics Express</i> , 2022, 13, 1131.	1.5	16
2	Neural responses to happy, fearful and angry faces of varying identities in 5- and 7-month-old infants. <i>Developmental Cognitive Neuroscience</i> , 2021, 47, 100882.	1.9	9
3	Exploring the relation between brain response to speech at 6-months and language outcomes at 24-months in infants at high and low risk for autism spectrum disorder: A preliminary functional near-infrared spectroscopy study. <i>Developmental Cognitive Neuroscience</i> , 2021, 47, 100897.	1.9	9
4	Infant brain responses to live face-to-face interaction with their mothers: Combining functional near-infrared spectroscopy (fNIRS) with a modified still-face paradigm. , 2020, 58, 101410.		13
5	The influence of maternal anxiety and depression symptoms on fNIRS brain responses to emotional faces in 5- and 7-month-old infants. , 2020, 59, 101447.		13
6	Using functional near-infrared spectroscopy to assess social information processing in poor urban Bangladeshi infants and toddlers. <i>Developmental Science</i> , 2019, 22, e12839.	1.3	33
7	Infant brain responses to social sounds: A longitudinal functional near-infrared spectroscopy study. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100638.	1.9	19
8	The infant brain in the social world: Moving toward interactive social neuroscience with functional near-infrared spectroscopy. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 87, 38-49.	2.9	74
9	Motion correction for infant functional near-infrared spectroscopy with an application to live interaction data. <i>Neurophotonics</i> , 2018, 5, 1.	1.7	27
10	Differing Developmental Trajectories in Heart Rate Responses to Speech Stimuli in Infants at High and Low Risk for Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 2434-2442.	1.7	15
11	Infants' neural responses to facial emotion in the prefrontal cortex are correlated with temperament: a functional near-infrared spectroscopy study. <i>Frontiers in Psychology</i> , 2015, 6, 922.	1.1	36
12	T1 magnetic resonance imaging head segmentation for diffuse optical tomography and electroencephalography. <i>Journal of Biomedical Optics</i> , 2014, 19, 026011.	1.4	23
13	Extraction of heart rate from functional near-infrared spectroscopy in infants. <i>Journal of Biomedical Optics</i> , 2014, 19, 067010.	1.4	34
14	A graphical user interface for infant ERP analysis. <i>Behavior Research Methods</i> , 2014, 46, 745-757.	2.3	10
15	Algorithm to find high density EEG scalp coordinates and analysis of their correspondence to structural and functional regions of the brain. <i>Journal of Neuroscience Methods</i> , 2014, 229, 84-96.	1.3	74
16	Effects of Spatial Pattern Scale of Brain Activity on the Sensitivity of DOT, fMRI, EEG and MEG. <i>PLoS ONE</i> , 2013, 8, e83299.	1.1	5
17	Quantifying the cortical contribution to the NIRS signal using simultaneous NIRS-BOLD measurements. , 2012, , .		0
18	Short separation channel location impacts the performance of short channel regression in NIRS. <i>NeuroImage</i> , 2012, 59, 2518-2528.	2.1	306

#	ARTICLE	IF	CITATIONS
19	Quantification of the cortical contribution to the NIRS signal over the motor cortex using concurrent NIRS-fMRI measurements. <i>NeuroImage</i> , 2012, 59, 3933-3940.	2.1	182
20	Quantitative assessment of diffuse optical tomography sensitivity to the cerebral cortex using a whole-head probe. <i>Physics in Medicine and Biology</i> , 2012, 57, 2857-2872.	1.6	32
21	Improved recovery of the hemodynamic response in diffuse optical imaging using short optode separations and state-space modeling. <i>NeuroImage</i> , 2011, 56, 1362-1371.	2.1	232
22	Microstructural status of ipsilesional and contralesional corticospinal tract correlates with motor skill in chronic stroke patients. <i>Human Brain Mapping</i> , 2009, 30, 3461-3474.	1.9	257
23	A cerebrovascular response model for functional neuroimaging including dynamic cerebral autoregulation. <i>Mathematical Biosciences</i> , 2009, 220, 102-117.	0.9	22
24	Structural damage to the corticospinal tract correlates with bilateral sensorimotor cortex reorganization in stroke patients. <i>NeuroImage</i> , 2008, 39, 1370-1382.	2.1	112
25	Enhanced Cortical Activation in the Contralesional Hemisphere of Chronic Stroke Patients in Response to Motor Skill Challenge. <i>Cerebral Cortex</i> , 2008, 18, 638-647.	1.6	108
26	Finger motion sensors for fMRI motor studies. <i>NeuroImage</i> , 2006, 31, 1549-1559.	2.1	31
27	Exchange bias and giant magnetoresistance in spin valves with Angstrom/spl uml/m-scale antiferromagnetic Layers at 5 K. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 2706-2708.	1.2	6
28	Determining the spin dependent mean free path in Co90Fe10 using giant magnetoresistance. <i>Journal of Applied Physics</i> , 2005, 97, 10C513.	1.1	5