

# Mahdi Mahmoudzadeh,, Hdr

## List of Publications by Year in descending order

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35  
papers

802  
citations

623734

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526287

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36  
all docs

36  
docs citations

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times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Syllabic discrimination in premature human infants prior to complete formation of cortical layers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4846-4851.	7.1	298
2	Neonatal brain resting-state functional connectivity imaging modalities. Photoacoustics, 2018, 10, 1-19.	7.8	56
3	EEG Resting State Functional Connectivity Analysis in Children with Benign Epilepsy with Centrotemporal Spikes. Frontiers in Neuroscience, 2016, 10, 143.	2.8	51
4	Functional Maps at the Onset of Auditory Inputs in Very Early Preterm Human Neonates. Cerebral Cortex, 2017, 27, bhw103.	2.9	41
5	Back to basics: the neuronal substrates and mechanisms that underlie the electroencephalogram in premature neonates. Neurophysiologie Clinique, 2021, 51, 5-33.	2.2	37
6	EEG resting state analysis of cortical sources in patients with benign epilepsy with centrotemporal spikes. NeuroImage: Clinical, 2015, 9, 275-282.	2.7	35
7	Functional Brain Dysfunction in Patients with Benign Childhood Epilepsy as Revealed by Graph Theory. PLoS ONE, 2015, 10, e0139228.	2.5	35
8	NIRS-measured oxy- and deoxyhemoglobin changes associated with EEG spike-and-wave discharges in a genetic model of absence epilepsy: The GAERS. Epilepsia, 2010, 51, 1374-1384.	5.1	27
9	Thermal impact of near-infrared laser in advanced noninvasive optical brain imaging. Neurophotonics, 2016, 3, 015001.	3.3	22
10	Neurovascular coupling in the developing neonatal brain at rest. Human Brain Mapping, 2020, 41, 503-519.	3.6	19
11	Consequence of intraventricular hemorrhage on neurovascular coupling evoked by speech syllables in preterm neonates. Developmental Cognitive Neuroscience, 2018, 30, 60-69.	4.0	18
12	Functional and Structural Network Disorganizations in Typical Epilepsy With Centro-Temporal Spikes and Impact on Cognitive Neurodevelopment. Frontiers in Neurology, 2019, 10, 809.	2.4	16
13	Shedding light on interictal epileptic spikes: An in vivo study using fast optical signal and electrocorticography. Epilepsia, 2017, 58, 608-616.	5.1	14
14	Hemodynamic Changes Associated with Interictal Spikes Induced by Acute Models of Focal Epilepsy in Rats: A Simultaneous Electroencephalography and Near-Infrared Spectroscopy Study. Brain Topography, 2017, 30, 390-407.	1.8	14
15	Non-invasive, multimodal analysis of cortical activity, blood volume and neurovascular coupling in infantile spasms using EEG-fNIRS monitoring. NeuroImage: Clinical, 2017, 15, 359-366.	2.7	13
16	The intimate relationship between coalescent generators in very premature human newborn brains: Quantifying the coupling of nested endogenous oscillations. Human Brain Mapping, 2020, 41, 4691-4703.	3.6	12
17	Relationship between relative cerebral blood flow, relative cerebral blood volume, and relative cerebral metabolic rate of oxygen in the preterm neonatal brain. Neurophotonics, 2017, 4, 021104.	3.3	10
18	Local and Distant Dysregulation of Synchronization Around Interictal Spikes in BECTS. Frontiers in Neuroscience, 2017, 11, 59.	2.8	10

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Optically Pumped 4He Magnetometers vs. Conventional SQUIDs: From Adult to Infant Head Models. <i>Sensors</i> , 2022, 22, 3093.	3.8	10
20	Cortical light scattering during interictal epileptic spikes in frontal lobe epilepsy in children: A fast optical signal and electroencephalographic study. <i>Epilepsia</i> , 2017, 58, 2064-2072.	5.1	9
21	Electrophysiological and hemodynamic mismatch responses in rats listening to human speech syllables. <i>PLoS ONE</i> , 2017, 12, e0173801.	2.5	9
22	Neurodevelopment and asymmetry of auditory-related responses to repetitive syllabic stimuli in preterm neonates based on frequency-domain analysis. <i>Scientific Reports</i> , 2019, 9, 10654.	3.3	9
23	Anti-cancer immunoprotective effects of immunization with hydatid cyst wall antigens in a non-immunogenic and metastatic triple-negative murine mammary carcinoma model. <i>International Immunopharmacology</i> , 2021, 99, 107955.	3.8	7
24	Exploring the Event-Related Potentials' Time Course of Associative Recognition in Autism. <i>Autism Research</i> , 2020, 13, 1998-2016.	3.8	6
25	Functional and structural correlates of the preterm infant's brain: relating developmental changes of auditory evoked responses to structural maturation. <i>Brain Structure and Function</i> , 2020, 225, 2165-2176.	2.3	6
26	Temporal and Spatial Dynamics of Different Interictal Epileptic Discharges: A Time-Frequency EEG Approach in Pediatric Focal Refractory Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 941.	2.4	5
27	On the Non-Equivalence of Trade-ins and Upgrades in the Presence of Framing Effect: Experimental Evidence and Implications for Theory. <i>Production and Operations Management</i> , 2020, 29, 330-352.	3.8	4
28	What Triggers the Interictal Epileptic Spike? A Multimodal Multiscale Analysis of the Dynamic of Synaptic and Non-synaptic Neuronal and Vascular Compartments Using Electrical and Optical Measurements. <i>Frontiers in Neurology</i> , 2021, 12, 596926.	2.4	4
29	Cortical hemodynamic mapping of subthalamic nucleus deep brain stimulation in Parkinsonian patients, using high-density functional near-infrared spectroscopy. <i>PLoS ONE</i> , 2021, 16, e0245188.	2.5	2
30	A Tool to Investigate Symmetry Properties of Newborns Brain: The Newborns' Symmetric Brain Atlas. <i>ISRN Neuroscience</i> , 2013, 2013, 1-6.	1.5	1
31	S15. Shedding lights on interictal epileptic spikes: An animal and patient study. <i>Clinical Neurophysiology</i> , 2018, 129, e147-e148.	1.5	1
32	Evolution of cross-frequency coupling between endogenous oscillations over the temporal cortex in very premature neonates. <i>Cerebral Cortex</i> , 2022, 33, 278-289.	2.9	1
33	Cortical hemodynamic mechanisms of reversal learning using high-resolution functional near-infrared spectroscopy: A pilot study. <i>Neurophysiologie Clinique</i> , 2021, 51, 409-424.	2.2	0
34	Intraventricular hemorrhage consequences on cerebral neurovascular coupling in premature infants, A multimodal neuroimaging EEG-fNIRS approach. , 2016, , .		0
35	Dynamics of cortical oxygenation during immediate adaptation to extrauterine life. <i>Scientific Reports</i> , 2021, 11, 22041.	3.3	0