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List of Publications by Year in descending order

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35
papers

802
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36
docs citations

36
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988
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Back to basics: the neuronal substrates and mechanisms that underlie the electroencephalogram in premature neonates. <i>Neurophysiologie Clinique</i> , 2021, 51, 5-33.	2.2	37
4	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
5	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
6	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
7	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
8	Dynamics of cortical oxygenation during immediate adaptation to extrauterine life. <i>Scientific Reports</i> , 2021, 11, 22041.	3.3	0
9	Neurovascular coupling in the developing neonatal brain at rest. <i>Human Brain Mapping</i> , 2020, 41, 503-519.	3.6	19
10	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
11	Exploring the Event-Related Potentials' Time Course of Associative Recognition in Autism. <i>Autism Research</i> , 2020, 13, 1998-2016.	3.8	6
12	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
13	The intimate relationship between coalescent generators in very premature human newborn brains: Quantifying the coupling of nested endogenous oscillations. <i>Human Brain Mapping</i> , 2020, 41, 4691-4703.	3.6	12
14	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
15	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
16	Functional and Structural Network Disorganizations in Typical Epilepsy With Centro-Temporal Spikes and Impact on Cognitive Neurodevelopment. <i>Frontiers in Neurology</i> , 2019, 10, 809.	2.4	16
17	Neonatal brain resting-state functional connectivity imaging modalities. <i>Photoacoustics</i> , 2018, 10, 1-19.	7.8	56
18	Consequence of intraventricular hemorrhage on neurovascular coupling evoked by speech syllables in preterm neonates. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 60-69.	4.0	18

#	ARTICLE	IF	CITATIONS
19	S15. Shedding lights on interictal epileptic spikes: An animal and patient study. <i>Clinical Neurophysiology</i> , 2018, 129, e147-e148.	1.5	1
20	Functional Maps at the Onset of Auditory Inputs in Very Early Preterm Human Neonates. <i>Cerebral Cortex</i> , 2017, 27, bhw103.	2.9	41
21	Shedding light on interictal epileptic spikes: An in vivo study using fast optical signal and electrocorticography. <i>Epilepsia</i> , 2017, 58, 608-616.	5.1	14
22	Relationship between relative cerebral blood flow, relative cerebral blood volume, and relative cerebral metabolic rate of oxygen in the preterm neonatal brain. <i>Neurophotonics</i> , 2017, 4, 021104.	3.3	10
23	Hemodynamic Changes Associated with Interictal Spikes Induced by Acute Models of Focal Epilepsy in Rats: A Simultaneous Electrocorticography and Near-Infrared Spectroscopy Study. <i>Brain Topography</i> , 2017, 30, 390-407.	1.8	14
24	Non-invasive, multimodal analysis of cortical activity, blood volume and neurovascular coupling in infantile spasms using EEG-fNIRS monitoring. <i>NeuroImage: Clinical</i> , 2017, 15, 359-366.	2.7	13
25	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
26	Local and Distant Dysregulation of Synchronization Around Interictal Spikes in BECTS. <i>Frontiers in Neuroscience</i> , 2017, 11, 59.	2.8	10
27	Electrophysiological and hemodynamic mismatch responses in rats listening to human speech syllables. <i>PLoS ONE</i> , 2017, 12, e0173801.	2.5	9
28	EEG Resting State Functional Connectivity Analysis in Children with Benign Epilepsy with Centrotemporal Spikes. <i>Frontiers in Neuroscience</i> , 2016, 10, 143.	2.8	51
29	Thermal impact of near-infrared laser in advanced noninvasive optical brain imaging. <i>Neurophotonics</i> , 2016, 3, 015001.	3.3	22
30	Intraventricular hemorrhage consequences on cerebral neurovascular coupling in premature infants, A multimodal neuroimaging EEG-fNIRS approach. , 2016, , .		0
31	EEG resting state analysis of cortical sources in patients with benign epilepsy with centrotemporal spikes. <i>NeuroImage: Clinical</i> , 2015, 9, 275-282.	2.7	35
32	Functional Brain Dysfunction in Patients with Benign Childhood Epilepsy as Revealed by Graph Theory. <i>PLoS ONE</i> , 2015, 10, e0139228.	2.5	35
33	Syllabic discrimination in premature human infants prior to complete formation of cortical layers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4846-4851.	7.1	298
34	A Tool to Investigate Symmetry Properties of Newborns Brain: The Newbornsâ€™ Symmetric Brain Atlas. <i>ISRN Neuroscience</i> , 2013, 2013, 1-6.	1.5	1
35	NIRSâ€™measured oxyâ€™and deoxyhemoglobin changes associated with EEG spikeâ€™andâ€™wave discharges in a genetic model of absence epilepsy: The GAERS. <i>Epilepsia</i> , 2010, 51, 1374-1384.	5.1	27