

Ardalan Aarabi

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,734
citations

279798

23
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoregressive model based algorithm for correcting motion and serially correlated errors in fNIRS. <i>Biomedical Optics Express</i> , 2013, 4, 1366.	2.9	247
2	A fuzzy rule-based system for epileptic seizure detection in intracranial EEG. <i>Clinical Neurophysiology</i> , 2009, 120, 1648-1657.	1.5	142
3	Automated neonatal seizure detection: A multistage classification system through feature selection based on relevance and redundancy analysis. <i>Clinical Neurophysiology</i> , 2006, 117, 328-340.	1.5	117
4	A multistage knowledge-based system for EEG seizure detection in newborn infants. <i>Clinical Neurophysiology</i> , 2007, 118, 2781-2797.	1.5	114
5	High-resolution electroencephalography and source localization in neonates. <i>Human Brain Mapping</i> , 2008, 29, 167-176.	3.6	77
6	A rule-based seizure prediction method for focal neocortical epilepsy. <i>Clinical Neurophysiology</i> , 2012, 123, 1111-1122.	1.5	74
7	Characterization and correction of the false-discovery rates in resting state connectivity using functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2017, 22, 055002.	2.6	73
8	An improved feature selection algorithm based on graph clustering and ant colony optimization. <i>Knowledge-Based Systems</i> , 2018, 159, 270-285.	7.1	66
9	An automatic single-channel EEG-based sleep stage scoring method based on hidden Markov Model. <i>Journal of Neuroscience Methods</i> , 2019, 324, 108320.	2.5	66
10	Does spatiotemporal synchronization of EEG change prior to absence seizures?. <i>Brain Research</i> , 2008, 1188, 207-221.	2.2	65
11	Seizure prediction in patients with focal hippocampal epilepsy. <i>Clinical Neurophysiology</i> , 2017, 128, 1299-1307.	1.5	65
12	Seizure prediction in hippocampal and neocortical epilepsy using a model-based approach. <i>Clinical Neurophysiology</i> , 2014, 125, 930-940.	1.5	61
13	Dynamic changes in quantitative electroencephalogram during continuous performance test in children with attention-deficit/hyperactivity disorder. <i>International Journal of Psychophysiology</i> , 2011, 81, 230-236.	1.0	56
14	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
15	Local haemodynamic changes preceding interictal spikes: A simultaneous electrocorticography (ECoG) and near-infrared spectroscopy (NIRS) analysis in rats. <i>NeuroImage</i> , 2010, 50, 600-607.	4.2	46
16	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
17	Functional Brain Dysfunction in Patients with Benign Childhood Epilepsy as Revealed by Graph Theory. <i>PLoS ONE</i> , 2015, 10, e0139228.	2.5	35
18	Effects of uncertainty in head tissue conductivity and complexity on EEG forward modeling in neonates. <i>Human Brain Mapping</i> , 2016, 37, 3604-3622.	3.6	35

#	ARTICLE	IF	CITATIONS
19	Visual sensory processing deficit in the occipital region in children with attention-deficit/hyperactivity disorder as revealed by event-related potentials during cued continuous performance test. <i>Neurophysiologie Clinique</i> , 2010, 40, 137-149.	2.2	34
20	Image segmentation using multilevel thresholding based on modified bird mating optimization. <i>Multimedia Tools and Applications</i> , 2019, 78, 23003-23027.	3.9	32
21	Detection of EEG transients in neonates and older children using a system based on dynamic time-warping template matching and spatial dipole clustering. <i>NeuroImage</i> , 2009, 48, 50-62.	4.2	29
22	Neonatal EEG sleep stage classification based on deep learning and HMM. <i>Journal of Neural Engineering</i> , 2020, 17, 036031.	3.5	29
23	Effect of confounding variables on hemodynamic response function estimation using averaging and deconvolution analysis: An event-related NIRS study. <i>NeuroImage</i> , 2017, 155, 25-49.	4.2	26
24	Sleep Spindle Characteristics in Obstructive Sleep Apnea Syndrome (OSAS). <i>Frontiers in Neurology</i> , 2021, 12, 598632.	2.4	17
25	Fuzzy rule-based seizure prediction based on correlation dimension changes in intracranial EEG. , 2010, 2010, 3301-4.		16
26	Cortical source analysis of resting state EEG data in children with attention deficit hyperactivity disorder. <i>Clinical Neurophysiology</i> , 2020, 131, 2115-2130.	1.5	16
27	Characterization of the relative contributions from systemic physiological noise to whole-brain resting-state functional near-infrared spectroscopy data using single-channel independent component analysis. <i>Neurophotonics</i> , 2016, 3, 025004.	3.3	15
28	Morphological active contour model for automatic brain tumor extraction from multimodal magnetic resonance images. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109296.	2.5	15
29	Hemodynamic Changes Associated with Interictal Spikes Induced by Acute Models of Focal Epilepsy in Rats: A Simultaneous Electroencephalography and Near-Infrared Spectroscopy Study. <i>Brain Topography</i> , 2017, 30, 390-407.	1.8	14
30	Resting state dynamic functional connectivity in children with attention deficit/hyperactivity disorder. <i>Journal of Neural Engineering</i> , 2021, 18, 0460d1.	3.5	13
31	Effect of structural complexities in head modeling on the accuracy of EEG source localization in neonates. <i>Journal of Neural Engineering</i> , 2020, 17, 056004.	3.5	10
32	Inverse coupling between respiratory and cardiac oscillators in a life-threatening event in a neonate. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2008, 143, 79-82.	2.8	8
33	Multi-atlas based neonatal brain extraction using a two-level patch-based label fusion strategy. <i>Biomedical Signal Processing and Control</i> , 2019, 54, 101602.	5.7	6
34	Assessment of the effect of data length on the reliability of resting-state fNIRS connectivity measures and graph metrics. <i>Biomedical Signal Processing and Control</i> , 2019, 54, 101612.	5.7	6
35	Seizure prediction in intracranial EEG: A patient-specific rule-based approach. , 2011, 2011, 2566-9.		4
36	Multi-scale structural rich-club organization of the brain in full-term newborns: a combined DWI and fMRI study. <i>Journal of Neural Engineering</i> , 2021, 18, 046065.	3.5	4

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37	Disrupted Functional Rich-Club Organization of the Brain Networks in Children with Attention-Deficit/Hyperactivity Disorder, a Resting-State EEG Study. <i>Brain Sciences</i> , 2021, 11, 938.	2.3	4
38	Multi-atlas based neonatal brain extraction using atlas library clustering and local label fusion. <i>Multimedia Tools and Applications</i> , 2020, 79, 19411-19433.	3.9	3
39	Effect of Multishell Diffusion MRI Acquisition Strategy and Parcellation Scale on Rich-Club Organization of Human Brain Structural Networks. <i>Diagnostics</i> , 2021, 11, 970.	2.6	3
40	Temporally dynamic neural correlates of drug cue reactivity, response inhibition, and methamphetamine-related response inhibition in people with methamphetamine use disorder. <i>Scientific Reports</i> , 2022, 12, 3567.	3.3	3
41	Spatiotemporal source analysis in scalp EEG vs. intracerebral EEG and SPECT: A case study in a 2-year-old child. <i>Neurophysiologie Clinique</i> , 2012, 42, 207-224.	2.2	1
42	P263 Effect of structural complexities in head modelling on neonatal EEG source analysis. <i>Clinical Neurophysiology</i> , 2017, 128, e262-e263.	1.5	1
43	Sexual Dimorphisms and Asymmetries of the Thalamo-Cortical Pathways and Subcortical Grey Matter of Term Born Healthy Neonates: An Investigation with Diffusion Tensor MRI. <i>Diagnostics</i> , 2021, 11, 560.	2.6	0
44	Brain Dynamics and Connectivity from Birth through Adolescence. <i>Brain Sciences</i> , 2022, 12, 395.	2.3	0