

MarÃ-a E LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,204
citations

393982

19
h-index

414034

32
g-index

40
all docs

40
docs citations

40
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpha-Band Hypersynchronization in Progressive Mild Cognitive Impairment: A Magnetoencephalography Study. <i>Journal of Neuroscience</i> , 2014, 34, 14551-14559.	1.7	103
2	A multicenter study of the early detection of synaptic dysfunction in Mild Cognitive Impairment using Magnetoencephalography-derived functional connectivity. <i>NeuroImage: Clinical</i> , 2015, 9, 103-109.	1.4	79
3	Brain-wide slowing of spontaneous alpha rhythms in mild cognitive impairment. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 100.	1.7	78
4	Network Disruption and Cerebrospinal Fluid Amyloid-Beta and Phospho-Tau Levels in Mild Cognitive Impairment. <i>Journal of Neuroscience</i> , 2015, 35, 10325-10330.	1.7	77
5	Scopolamine effects on functional brain connectivity: a pharmacological model of Alzheimer's disease. <i>Scientific Reports</i> , 2015, 5, 9748.	1.6	75
6	Hypersynchronization in mild cognitive impairment: the "X" model. <i>Brain</i> , 2019, 142, 3936-3950.	3.7	68
7	The Default Mode Network is functionally and structurally disrupted in amnesic mild cognitive impairment " A bimodal MEG "DTI study. <i>NeuroImage: Clinical</i> , 2014, 6, 214-221.	1.4	58
8	Influence of the APOE ϵ 4 Allele and Mild Cognitive Impairment Diagnosis in the Disruption of the MEG Resting State Functional Connectivity in Sources Space. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 493-505.	1.2	57
9	How to Build a Functional Connectomic Biomarker for Mild Cognitive Impairment From Source Reconstructed MEG Resting-State Activity: The Combination of ROI Representation and Connectivity Estimator Matters. <i>Frontiers in Neuroscience</i> , 2018, 12, 306.	1.4	48
10	Searching for Primary Predictors of Conversion from Mild Cognitive Impairment to Alzheimer's Disease: A Multivariate Follow-Up Study. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 133-143.	1.2	46
11	Signal-to-noise ratio of the MEG signal after preprocessing. <i>Journal of Neuroscience Methods</i> , 2014, 222, 56-61.	1.3	38
12	MEG spectral analysis in subtypes of mild cognitive impairment. <i>Age</i> , 2014, 36, 9624.	3.0	38
13	DRUG POLYCONSUMPTION IS ASSOCIATED WITH INCREASED SYNCHRONIZATION OF BRAIN ELECTRICAL-ACTIVITY AT REST AND IN A COUNTING TASK. <i>International Journal of Neural Systems</i> , 2014, 24, 1450005.	3.2	34
14	MEG Beamformer-Based Reconstructions of Functional Networks in Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 107.	1.7	34
15	Dynamic low frequency EEG phase synchronization patterns during proactive control of task switching. <i>NeuroImage</i> , 2019, 186, 70-82.	2.1	33
16	Cognitive reserve is associated with the functional organization of the brain in healthy aging: a MEG study. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 125.	1.7	29
17	Early dysfunction of functional connectivity in healthy elderly with subjective memory complaints. <i>Age</i> , 2012, 34, 497-506.	3.0	28
18	Aberrant MEG multi-frequency phase temporal synchronization predicts conversion from mild cognitive impairment-to-Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 24, 101972.	1.4	25

#	ARTICLE	IF	CITATIONS
19	White Matter Damage Disorganizes Brain Functional Networks in Amnesic Mild Cognitive Impairment. <i>Brain Connectivity</i> , 2014, 4, 312-322.	0.8	23
20	Association Between Hippocampus, Thalamus, and Caudate in Mild Cognitive Impairment APOE ϵ 4 Carriers: A Structural Covariance MRI Study. <i>Frontiers in Neurology</i> , 2019, 10, 1303.	1.1	23
21	Discriminating Alzheimer's disease progression using a new hippocampal marker from T1-weighted MRI: The local surface roughness. <i>Human Brain Mapping</i> , 2019, 40, 1666-1676.	1.9	23
22	Functional brain networks reveal the existence of cognitive reserve and the interplay between network topology and dynamics. <i>Scientific Reports</i> , 2018, 8, 10525.	1.6	21
23	Source Analysis of Spontaneous Magnetoencephalographic Activity in Healthy Aging and Mild Cognitive Impairment: Influence of Apolipoprotein E Polymorphism. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 259-273.	1.2	20
24	Enhancement of posterior brain functional networks in bilingual older adults. <i>Bilingualism</i> , 2020, 23, 387-400.	1.0	19
25	APOE ϵ 4 Genotype and Cognitive Reserve Effects on the Cognitive Functioning of Healthy Elders. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017, 44, 328-342.	0.7	18
26	Interference Impacts Working Memory in Mild Cognitive Impairment. <i>Frontiers in Neuroscience</i> , 2016, 10, 443.	1.4	17
27	Physical activity effects on the individual alpha peak frequency of older adults with and without genetic risk factors for Alzheimer's Disease: A MEG study. <i>Clinical Neurophysiology</i> , 2018, 129, 1981-1989.	0.7	17
28	Synchronization during an internally directed cognitive state in healthy aging and mild cognitive impairment: a MEG study. <i>Age</i> , 2014, 36, 9643.	3.0	16
29	A Neuro-Inspired System for Online Learning and Recognition of Parallel Spike Trains, Based on Spike Latency, and Heterosynaptic STDP. <i>Frontiers in Neuroscience</i> , 2018, 12, 780.	1.4	14
30	Deep-MEG: spatiotemporal CNN features and multiband ensemble classification for predicting the early signs of Alzheimer's disease with magnetoencephalography. <i>Neural Computing and Applications</i> , 2021, 33, 14651-14667.	3.2	10
31	Gamma band functional connectivity reduction in patients with amnesic mild cognitive impairment and epileptiform activity. <i>Brain Communications</i> , 2022, 4, fcac012.	1.5	10
32	A multivariate model of time to conversion from mild cognitive impairment to Alzheimer's disease. <i>GeroScience</i> , 2020, 42, 1715-1732.	2.1	9
33	Modeling the Switching Behavior of Functional Connectivity Microstates (FC μ states) as a Novel Biomarker for Mild Cognitive Impairment. <i>Frontiers in Neuroscience</i> , 2019, 13, 542.	1.4	7
34	High-dimensional brain-wide functional connectivity mapping in magnetoencephalography. <i>Journal of Neuroscience Methods</i> , 2021, 348, 108991.	1.3	4
35	BDNF Val66Met Polymorphism and Gamma Band Disruption in Resting State Brain Functional Connectivity: A Magnetoencephalography Study in Cognitively Intact Older Females. <i>Frontiers in Neuroscience</i> , 2018, 12, 684.	1.4	3
36	Resting-State Beta-Band Recovery Network Related to Cognitive Improvement After Stroke. <i>Frontiers in Neurology</i> , 2022, 13, 838170.	1.1	2