

Jesus Poza

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,474
citations

218677

26
h-index

233421

45
g-index

119
all docs

119
docs citations

119
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	Schizophrenia induces abnormal frequency-dependent patterns of dynamic brain network reconfiguration during an auditory oddball task. <i>Journal of Neural Engineering</i> , 2022, 19, 016033.	3.5	3
2	Distinctive effects of executive dysfunction and loss of learning/memory abilities on resting-state brain activity. <i>Scientific Reports</i> , 2022, 12, 3459.	3.3	11
3	(Attenuated) hallucinations join basic symptoms in a transdiagnostic network cluster analysis. <i>Schizophrenia Research</i> , 2022, 243, 43-54.	2.0	5
4	A new method to build multiplex networks using canonical correlation analysis for the characterization of the Alzheimer's disease continuum. <i>Journal of Neural Engineering</i> , 2021, 18, 026002.	3.5	4
5	Risk Variants in Three Alzheimer's Disease Genes Show Association with EEG Endophenotypes. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 209-223.	2.6	4
6	Spectral and temporal characterization of sleep spindles—methodological implications. <i>Journal of Neural Engineering</i> , 2021, 18, 036014.	3.5	4
7	Exploring the Alterations in the Distribution of Neural Network Weights in Dementia Due to Alzheimer's Disease. <i>Entropy</i> , 2021, 23, 500.	2.2	3
8	Abnormal meta-state activation of dynamic brain networks across the Alzheimer spectrum. <i>NeuroImage</i> , 2021, 232, 117898.	4.2	19
9	The association between carotid blood flow and resting-state brain activity in patients with cerebrovascular diseases. <i>Scientific Reports</i> , 2021, 11, 15225.	3.3	4
10	The Menstrual Cycle Alters Resting-State Cortical Activity: A Magnetoencephalography Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 652789.	2.0	14
11	Exploring the Interactions Between Neurophysiology and Cognitive and Behavioral Changes Induced by a Non-pharmacological Treatment: A Network Approach. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 696174.	3.4	5
12	Entropy in Brain Networks. <i>Entropy</i> , 2021, 23, 1157.	2.2	0
13	Influence of PICALM and CLU risk variants on beta EEG activity in Alzheimer's disease patients. <i>Scientific Reports</i> , 2021, 11, 20465.	3.3	4
14	Pediatric Sleep Apnea: The Overnight Electroencephalogram as a Phenotypic Biomarker. <i>Frontiers in Neuroscience</i> , 2021, 15, 644697.	2.8	9
15	Effect of segment length, sampling frequency, and imaging modality on the estimation of measures of brain meta-state activation: an MEG/EEG study. , 2021, 2021, 315-318.		0
16	High Frequency Resolution Networks: Considerations on a New Functional Brain Connectivity Framework. , 2021, 2021, 722-725.		1
17	Analysis of KCNH2 and CACNA1C schizophrenia risk genes on EEG functional network modulation during an auditory odd-ball task. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 433-442.	3.2	5
18	Relationship between the Presence of the ApoE ϵ 4 Allele and EEG Complexity along the Alzheimer's Disease Continuum. <i>Sensors</i> , 2020, 20, 3849.	3.8	11

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19	Genome-Wide Scan for Five Brain Oscillatory Phenotypes Identifies a New QTL Associated with Theta EEG Band. <i>Brain Sciences</i> , 2020, 10, 870.	2.3	1
20	Inter-band Bispectral Analysis of EEG Background Activity to Characterize Alzheimer's Disease Continuum. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 70.	2.1	7
21	Intraindividual Characterization of the Sleep Spindle Variability in Healthy Subjects. , 2020, 2020, 3473-3476.		1
22	Volume Conduction Effects on Connectivity Metrics: Application of Network Parameters to Characterize Alzheimer's Disease Continuum. , 2020, 2020, 30-33.		0
23	Editorial: Complexity and Connectivity: Functional Signatures of Neurodegenerative Disorders. <i>Frontiers in Neuroscience</i> , 2020, 14, 916.	2.8	0
24	Characterization of the dynamic behavior of neural activity in Alzheimer's disease: exploring the non-stationarity and recurrence structure of EEG resting-state activity. <i>Journal of Neural Engineering</i> , 2020, 17, 016071.	3.5	9
25	Main Symptomatic Treatment Targets in Suspected and Early Psychosis: New Insights From Network Analysis. <i>Schizophrenia Bulletin</i> , 2020, 46, 884-895.	4.3	19
26	Consistency of local activation parameters at sensor- and source-level in neural signals. <i>Journal of Neural Engineering</i> , 2020, 17, 056020.	3.5	14
27	Predicting the outcome of non-pharmacological treatment for patients with dementia-related mild cognitive impairment. <i>Aging</i> , 2020, 12, 24101-24116.	3.1	10
28	Network Analysis on Overnight EEG Spectrum to Assess Relationships Between Paediatric Sleep Apnoea and Cognition. <i>IFMBE Proceedings</i> , 2020, , 1138-1146.	0.3	1
29	Characterization of EEG Resting-state Activity in Alzheimer's Disease by Means of Recurrence Plot Analyses. , 2019, 2019, 5786-5789.		0
30	Towards Automatic Artifact Rejection in Resting-State MEG Recordings: Evaluating the Performance of the SOUND Algorithm. , 2019, 2019, 4807-4810.		3
31	Computational modeling of the effects of EEG volume conduction on functional connectivity metrics. Application to Alzheimer's disease continuum. <i>Journal of Neural Engineering</i> , 2019, 16, 066019.	3.5	36
32	EEG Characterization of the Alzheimer's Disease Continuum by Means of Multiscale Entropies. <i>Entropy</i> , 2019, 21, 544.	2.2	40
33	Characterizing the fluctuations of dynamic resting-state electrophysiological functional connectivity: reduced neuronal coupling variability in mild cognitive impairment and dementia due to Alzheimer's disease. <i>Journal of Neural Engineering</i> , 2019, 16, 056030.	3.5	39
34	Spectral EEG Differences in Children with Obstructive Sleep Apnea. , 2019, , .		1
35	Analysis of Volume Conduction Effects on Different Functional Connectivity Metrics: Application to Alzheimer's Disease EEG Signals. , 2019, 2019, 6434-6437.		1
36	Topography of activation deficits in schizophrenia during P300 task related to cognition and structural connectivity. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2019, 269, 419-428.	3.2	8

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37	Characterizing Non-stationarity in Alzheimer's Disease and Mild Cognitive Impairment by Means of Kullback-Leibler Divergence. <i>Biosystems and Biorobotics</i> , 2019, , 574-578.	0.3	2
38	Analysis of Information Flux in Alzheimer's Disease and Mild Cognitive Impairment by Means of Graph-Theory Parameters. <i>Biosystems and Biorobotics</i> , 2019, , 569-573.	0.3	0
39	Deficits of entropy modulation in schizophrenia are predicted by functional connectivity strength in the theta band and structural clustering. <i>NeuroImage: Clinical</i> , 2018, 18, 382-389.	2.7	26
40	Relations between structural and EEG-based graph metrics in healthy controls and schizophrenia patients. <i>Human Brain Mapping</i> , 2018, 39, 3152-3165.	3.6	28
41	Quantification of Graph Complexity Based on the Edge Weight Distribution Balance: Application to Brain Networks. <i>International Journal of Neural Systems</i> , 2018, 28, 1750032.	5.2	34
42	Alterations of Effective Connectivity Patterns in Mild Cognitive Impairment: An MEG Study. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 843-854.	2.6	12
43	Measuring Alterations of Spontaneous EEG Neural Coupling in Alzheimer's Disease and Mild Cognitive Impairment by Means of Cross-Entropy Metrics. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 76.	2.5	15
44	Altered predictive capability of the brain network EEG model in schizophrenia during cognition. <i>Schizophrenia Research</i> , 2018, 201, 120-129.	2.0	24
45	Assessment of EEG Connectivity Patterns in Mild Cognitive Impairment Using Phase Slope Index. , 2018, 2018, 263-266.		2
46	Automated Multiclass Classification of Spontaneous EEG Activity in Alzheimer's Disease and Mild Cognitive Impairment. <i>Entropy</i> , 2018, 20, 35.	2.2	75
47	Continuous wavelet transform in the study of the time-scale properties of intracranial pressure in hydrocephalus. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170251.	3.4	5
48	Deficit of entropy modulation of the EEG in schizophrenia associated to cognitive performance and symptoms. A replication study. <i>Schizophrenia Research</i> , 2018, 195, 334-342.	2.0	20
49	Variation at NRG1 genotype related to modulation of small-world properties of the functional cortical network. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 25-32.	3.2	4
50	Exploring non-stationarity patterns in schizophrenia: neural reorganization abnormalities in the alpha band. <i>Journal of Neural Engineering</i> , 2017, 14, 046001.	3.5	29
51	Functional EEG network analysis in schizophrenia: Evidence of larger segregation and deficit of modulation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 76, 116-123.	4.8	36
52	Bispectral analysis of spontaneous EEG activity from patients with moderate dementia due to Alzheimer's disease. , 2017, 2017, 422-425.		5
53	Analysis of Functional Connectivity During an Auditory Oddball Task in Schizophrenia. <i>Biosystems and Biorobotics</i> , 2017, , 751-755.	0.3	1
54	Event-Related Phase-Amplitude Coupling: A Comparative Study. <i>Biosystems and Biorobotics</i> , 2017, , 757-761.	0.3	1

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55	Absolute Power Spectral Density Changes in the Magnetoencephalographic Activity During the Transition from Childhood to Adulthood. <i>Brain Topography</i> , 2017, 30, 87-97.	1.8	26
56	Phase-amplitude coupling analysis of spontaneous EEG activity in Alzheimer's disease. , 2017, 2017, 2259-2262.		16
57	Spatio-Temporal Fluctuations of Neural Dynamics in Mild Cognitive Impairment and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2017, 14, 924-936.	1.4	25
58	Assessment of Effective Connectivity in Alzheimer's Disease Using Granger Causality. <i>Biosystems and Biorobotics</i> , 2017, , 763-767.	0.3	5
59	MEG Analysis of Neural Interactions in Attention-Deficit/Hyperactivity Disorder. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-10.	1.7	10
60	Analysis of the non-stationarity of neural activity during an auditory oddball task in schizophrenia. , 2016, 2016, 3724-3727.		1
61	Analysis of spontaneous EEG activity in Alzheimer's disease using cross-sample entropy and graph theory. , 2016, 2016, 2830-2833.		5
62	Analysis of magnetoencephalography signals from Alzheimer's disease patients using granger causality. , 2016, 2016, 724-727.		0
63	Effect of infusion tests on the dynamical properties of intracranial pressure in hydrocephalus. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 134, 225-235.	4.7	2
64	Characterization of EEG patterns in brain-injured subjects and controls after a Snoezelen® intervention. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 136, 1-9.	4.7	13
65	Novel measure of the weigh distribution balance on the brain network: Graph complexity applied to schizophrenia. , 2016, 2016, 700-703.		3
66	Association between electroencephalographic modulation, psychotic-like experiences and cognitive performance in the general population. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 286-294.	1.8	9
67	Noise power associated with decreased task-induced variability of brain electrical activity in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2016, 266, 55-61.	3.2	15
68	Modulation of brain network parameters associated with subclinical psychotic symptoms. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 66, 54-62.	4.8	5
69	Auditory P3a and P3b neural generators in schizophrenia: An adaptive sLORETA P300 localization approach. <i>Schizophrenia Research</i> , 2015, 169, 318-325.	2.0	37
70	Neural Network Reorganization Analysis During an Auditory Oddball Task in Schizophrenia Using Wavelet Entropy. <i>Entropy</i> , 2015, 17, 5241-5256.	2.2	34
71	A comparative study of event-related coupling patterns during an auditory oddball task in schizophrenia. <i>Journal of Neural Engineering</i> , 2015, 12, 016007.	3.5	49
72	Decreased entropy modulation of EEG response to novelty and relevance in schizophrenia during a P300 task. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 525-535.	3.2	31

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73	MEG analysis of neural dynamics in attention-deficit/hyperactivity disorder with fuzzy entropy. Medical Engineering and Physics, 2015, 37, 416-423.	1.7	21
74	Analysis of neural dynamics in mild cognitive impairment and Alzheimer's disease using wavelet turbulence. Journal of Neural Engineering, 2014, 11, 026010.	3.5	25
75	Analysis of magnetoencephalography recordings from Alzheimer's disease patients using embedding entropies. , 2014, 2014, 702-5.		4
76	Analysis of spontaneous MEG activity in mild cognitive impairment and Alzheimer's disease using Jensen's divergence. , 2014, 2014, 1501-4.		4
77	Decreased spectral entropy modulation in patients with schizophrenia during a P300 task. European Archives of Psychiatry and Clinical Neuroscience, 2014, 264, 533-543.	3.2	41
78	Poster #M179 REDUCED THETA BAND RESPONSE TO RELEVANCE IN SCHIZOPHRENIA. Schizophrenia Research, 2014, 153, S255-S256.	2.0	0
79	Analysis of MEG Activity across the Life Span Using Statistical Complexity. IFMBE Proceedings, 2014, , 583-586.	0.3	1
80	Graph-Theoretical Analysis in Schizophrenia Performing an Auditory Oddball Task. IFMBE Proceedings, 2014, , 799-802.	0.3	1
81	Analysis of Intracranial Pressure Signals Using the Spectral Turbulence. IFMBE Proceedings, 2014, , 795-798.	0.3	0
82	Comparison of logistic regression and neural network classifiers in the detection of hard exudates in retinal images. , 2013, 2013, 5891-4.		25
83	Spectral analysis of intracranial pressure signals recorded during infusion studies in patients with hydrocephalus. Medical Engineering and Physics, 2013, 35, 1490-1498.	1.7	11
84	Effects of a multi-sensory environment on brain-injured patients: Assessment of spectral patterns. Medical Engineering and Physics, 2013, 35, 365-375.	1.7	19
85	Analysis of intracranial pressure signals recorded during infusion studies using the spectral entropy. , 2013, 2013, 2543-6.		3
86	Characterization of the spontaneous electroencephalographic activity in Alzheimer's disease using disequilibria and graph theory. , 2013, 2013, 5990-3.		5
87	Entropy analysis of MEG background activity in Attention-Deficit/Hyperactivity Disorder. , 2013, 2013, 5057-60.		8
88	Spectral changes in spontaneous MEG activity across the lifespan. Journal of Neural Engineering, 2013, 10, 066006.	3.5	58
89	Analysis of spontaneous MEG activity in mild cognitive impairment and Alzheimer's disease using spectral entropies and statistical complexity measures. Journal of Neural Engineering, 2012, 9, 036007.	3.5	48
90	Synchrony analysis of spontaneous MEG activity in Alzheimer's disease patients. , 2012, 2012, 6188-91.		3

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91	Spectral and Non-Linear Analyses of Spontaneous Magnetoencephalographic Activity in Alzheimer's Disease. Journal of Healthcare Engineering, 2012, 3, 299-322.	1.9	12
92	MEG Connectivity Analysis in Patients with Alzheimer's Disease Using Cross Mutual Information and Spectral Coherence. Annals of Biomedical Engineering, 2011, 39, 524-536.	2.5	40
93	Regularity analysis of spontaneous MEG activity in Attention-Deficit/Hyperactivity Disorder. , 2011, 2011, 1765-8.		11
94	Analysis of spontaneous MEG activity in mild cognitive impairment using spectral entropies and disequilibrium measures. , 2010, 2010, 6296-9.		0
95	MEG analysis in Alzheimer's disease computing approximate entropy for different frequency bands. , 2010, 2010, 2379-82.		7
96	Study of the MEG background activity in Alzheimer's disease patients with scaling analysis methods. , 2009, 2009, 3485-8.		3
97	Detection of Hard Exudates in Retinal Images Using a Radial Basis Function Classifier. Annals of Biomedical Engineering, 2009, 37, 1448-1463.	2.5	48
98	Utility of a Radial Basis Function Classifier in the Detection of Red Lesions in Retinal Images. IFMBE Proceedings, 2009, , 21-24.	0.3	1
99	A novel automatic image processing algorithm for detection of hard exudates based on retinal image analysis. Medical Engineering and Physics, 2008, 30, 350-357.	1.7	133
100	Regional Analysis of Spontaneous MEG Rhythms in Patients with Alzheimer's Disease Using Spectral Entropies. Annals of Biomedical Engineering, 2008, 36, 141-152.	2.5	45
101	Spectral and Nonlinear Analyses of MEG Background Activity in Patients With Alzheimer's Disease. IEEE Transactions on Biomedical Engineering, 2008, 55, 1658-1665.	4.2	69
102	Assessment of classification improvement in patients with Alzheimer's disease based on magnetoencephalogram blind source separation. Artificial Intelligence in Medicine, 2008, 43, 75-85.	6.5	20
103	Evaluation of spectral ratio measures from spontaneous MEG recordings in patients with Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2008, 90, 137-147.	4.7	35
104	Analysis of spontaneous MEG activity in Alzheimer's disease using time-frequency parameters. , 2008, 2008, 5712-5.		6
105	Analysis of Spontaneous MEG Activity in Patients with Alzheimer's Disease using Spectral Entropies. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6180-3.	0.5	15
106	Magnetoencephalogram Blind Source Separation and Component Selection Procedure to Improve the Diagnosis of Alzheimer's Disease Patients. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5437-40.	0.5	1
107	Study of the EEG Changes during the Combined Ingestion of Alcohol and H ₁ -antihistamines by using the Wavelet Transform. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 23-6.	0.5	2
108	Extraction of spectral based measures from MEG background oscillations in Alzheimer's disease. Medical Engineering and Physics, 2007, 29, 1073-1083.	1.7	97

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109	MEG spectral profile in Alzheimer's disease and mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2006, 117, 306-314.	1.5	104
110	Quantitative Magnetoencephalography of Spontaneous Brain Activity in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2006, 20, 153-159.	1.3	37
111	Variability, Regularity, and Complexity of Time Series Generated by Schizophrenic Patients and Control Subjects. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 210-218.	4.2	65
112	Rejection of artifact sources in magnetoencephalogram background activity using independent component analysis. , 2006, 2006, 5282-5.		2
113	Entropy analysis of the EEG background activity in Alzheimer's disease patients. <i>Physiological Measurement</i> , 2006, 27, 241-253.	2.1	271
114	Analysis of regularity in the EEG background activity of Alzheimer's disease patients with Approximate Entropy. <i>Clinical Neurophysiology</i> , 2005, 116, 1826-1834.	1.5	215
115	Retinal image analysis to detect and quantify lesions associated with diabetic retinopathy. , 2004, 2004, 1624-7.		53