

Javier Gomez-Pilar

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,342
citations

331538

21
h-index

414303

32
g-index

84
all docs

84
docs citations

84
times ranked

1296
citing authors

#	ARTICLE	IF	CITATIONS
1	The temporal signature of self: Temporal measures of resting-state EEG predict self-consciousness. <i>Human Brain Mapping</i> , 2019, 40, 789-803.	1.9	76
2	Intrinsic neural timescales: temporal integration and segregation. <i>Trends in Cognitive Sciences</i> , 2022, 26, 159-173.	4.0	75
3	Adaptive semi-supervised classification to reduce intersession non-stationarity in multiclass motor imagery-based brain-computer interfaces. <i>Neurocomputing</i> , 2015, 159, 186-196.	3.5	73
4	Are intrinsic neural timescales related to sensory processing? Evidence from abnormal behavioral states. <i>NeuroImage</i> , 2021, 226, 117579.	2.1	60
5	The brain and its time: intrinsic neural timescales are key for input processing. <i>Communications Biology</i> , 2021, 4, 970.	2.0	60
6	Adaptive Stacked Generalization for Multiclass Motor Imagery-Based Brain Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 702-712.	2.7	58
7	An Asynchronous P300-Based Brain-Computer Interface Web Browser for Severely Disabled People. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1332-1342.	2.7	56
8	Neurofeedback training with a motor imagery-based BCI: neurocognitive improvements and EEG changes in the elderly. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1655-1666.	1.6	54
9	Temporal hierarchy of intrinsic neural timescales converges with spatial core-periphery organization. <i>Communications Biology</i> , 2021, 4, 277.	2.0	50
10	Assessment of Time and Frequency Domain Entropies to Detect Sleep Apnoea in Heart Rate Variability Recordings from Men and Women. <i>Entropy</i> , 2015, 17, 123-141.	1.1	36
11	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.	2.5	36
12	Neural Network Reorganization Analysis During an Auditory Oddball Task in Schizophrenia Using Wavelet Entropy. <i>Entropy</i> , 2015, 17, 5241-5256.	1.1	34
13	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.	3.2	34
14	Exploring non-stationarity patterns in schizophrenia: neural reorganization abnormalities in the alpha band. <i>Journal of Neural Engineering</i> , 2017, 14, 046001.	1.8	29
15	Towards an accessible use of smartphone-based social networks through brain-computer interfaces. <i>Expert Systems With Applications</i> , 2019, 120, 155-166.	4.4	29
16	Overcoming Rest-Task Divide: Abnormal Temporospacial Dynamics and Its Cognition in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 751-765.	2.3	29
17	Relations between structural and EEG-based graph metrics in healthy controls and schizophrenia patients. <i>Human Brain Mapping</i> , 2018, 39, 3152-3165.	1.9	28
18	Neural variability quenching during decision-making: Neural individuality and its prestimulus complexity. <i>NeuroImage</i> , 2019, 192, 1-14.	2.1	28

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19	Connectivity strength of the EEG functional network in schizophrenia and bipolar disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 98, 109801.	2.5	28
20	Deficits of entropy modulation in schizophrenia are predicted by functional connectivity strength in the theta band and structural clustering. Neurolmage: Clinical, 2018, 18, 382-389.	1.4	26
21	Altered predictive capability of the brain network EEG model in schizophrenia during cognition. Schizophrenia Research, 2018, 201, 120-129.	1.1	24
22	Increased scale-free dynamics in salience network in adult high-functioning autism. Neurolmage: Clinical, 2019, 21, 101634.	1.4	23
23	Asynchronous Control of ERP-Based BCI Spellers Using Steady-State Visual Evoked Potentials Elicited by Peripheral Stimuli. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1883-1892.	2.7	22
24	Interindividual neural differences in moral decision-making are mediated by alpha power and delta/theta phase coherence. Scientific Reports, 2019, 9, 4432.	1.6	22
25	From neuronal to psychological noise " Long-range temporal correlations in EEG intrinsic activity reduce noise in internally-guided decision making. Neurolmage, 2019, 201, 116015.	2.1	21
26	Deficit of entropy modulation of the EEG in schizophrenia associated to cognitive performance and symptoms. A replication study. Schizophrenia Research, 2018, 195, 334-342.	1.1	20
27	Main Symptomatic Treatment Targets in Suspected and Early Psychosis: New Insights From Network Analysis. Schizophrenia Bulletin, 2020, 46, 884-895.	2.3	19
28	Prestimulus dynamics blend with the stimulus in neural variability quenching. Neurolmage, 2021, 238, 118160.	2.1	17
29	Assessment of neurofeedback training by means of motor imagery based-BCI for cognitive rehabilitation. , 2014, 2014, 3630-3.		16
30	Phase-amplitude coupling analysis of spontaneous EEG activity in Alzheimer's disease. , 2017, 2017, 2259-2262.		16
31	Potential benefits of a cognitive training program in mild cognitive impairment (MCI). Restorative Neurology and Neuroscience, 2018, 36, 207-213.	0.4	15
32	Identificacion of MRI-based psychosis subtypes: Replication and refinement. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 100, 109907.	2.5	15
33	Deficits of entropy modulation of the EEG: A biomarker for altered function in schizophrenia and bipolar disorder?. Journal of Psychiatry and Neuroscience, 2020, 45, 322-333.	1.4	15
34	Variability and task-responsiveness of electrophysiological dynamics: Scale-free stability and oscillatory flexibility. Neurolmage, 2022, 256, 119245.	2.1	14
35	Neurobiological underpinnings of cognitive subtypes in psychoses: A cross-diagnostic cluster analysis. Schizophrenia Research, 2021, 229, 102-111.	1.1	13
36	Itâ€™s in the timing: reduced temporal precision in neural activity of schizophrenia. Cerebral Cortex, 2022, 32, 3441-3456.	1.6	13

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37	Alterations of Effective Connectivity Patterns in Mild Cognitive Impairment: An MEG Study. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 843-854.	1.2	12
38	Structural connectivity in schizophrenia and bipolar disorder: Effects of chronicity and antipsychotic treatment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 369-377.	2.5	12
39	Exploring EEG Spectral Patterns in Episodic and Chronic Migraine During the Interictal State: Determining Frequencies of Interest in the Resting State. <i>Pain Medicine</i> , 2020, 21, 3530-3538.	0.9	12
40	From temporal to spatial topography: hierarchy of neural dynamics in higher- and lower-order networks shapes their complexity. <i>Cerebral Cortex</i> , 2022, 32, 5637-5653.	1.6	11
41	Intrinsic dynamics and topography of sensory input systems. <i>Cerebral Cortex</i> , 2022, 32, 4592-4604.	1.6	10
42	Ensemble learning for classification of motor imagery tasks in multiclass brain computer interfaces. , 2014, , .		9
43	Association between electroencephalographic modulation, psychotic-like experiences and cognitive performance in the general population. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 286-294.	1.0	9
44	Pediatric Sleep Apnea: The Overnight Electroencephalogram as a Phenotypic Biomarker. <i>Frontiers in Neuroscience</i> , 2021, 15, 644697.	1.4	9
45	Analysis of spontaneous EEG activity in Alzheimer's disease using cross-sample entropy and graph theory. , 2016, 2016, 2830-2833.		5
46	Modulation of brain network parameters associated with subclinical psychotic symptoms. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 66, 54-62.	2.5	5
47	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.	1.8	5
48	The role of gene to gene interaction in the breast's genomic signature of pregnancy. <i>Scientific Reports</i> , 2021, 11, 2643.	1.6	5
49	(Attenuated) hallucinations join basic symptoms in a transdiagnostic network cluster analysis. <i>Schizophrenia Research</i> , 2022, 243, 43-54.	1.1	5
50	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.	1.8	4
51	Automatic Assessment of Pediatric Sleep Apnea Severity Using Overnight Oximetry and Convolutional Neural Networks. , 2020, 2020, 633-636.		4
52	Spectral and temporal characterization of sleep spindles—methodological implications. <i>Journal of Neural Engineering</i> , 2021, 18, 036014.	1.8	4
53	Deep Learning Architecture Based on the Combination of Convolutional and Recurrent Layers for ERP-Based Brain-Computer Interfaces. <i>IFMBE Proceedings</i> , 2020, , 1844-1852.	0.2	4
54	Novel measure of the weigh distribution balance on the brain network: Graph complexity applied to schizophrenia. , 2016, 2016, 700-703.		3

#	ARTICLE	IF	CITATIONS
55	Exploring the Alterations in the Distribution of Neural Network Weights in Dementia Due to Alzheimer's Disease. <i>Entropy</i> , 2021, 23, 500.	1.1	3
56	Search for schizophrenia and bipolar biotypes using functional network properties. <i>Brain and Behavior</i> , 2021, , e2415.	1.0	3
57	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.	1.8	3
58	Social cognition in psychosis: Predictors and effects of META-cognitive training. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 94, 109672.	2.5	2
59	Abnormal self-experiences related to a hypersynchronous brain state in schizophrenia. <i>Schizophrenia Research</i> , 2020, 222, 538-540.	1.1	2
60	Classification Methods from Heart Rate Variability to Assist in SAHS Diagnosis. <i>IFMBE Proceedings</i> , 2014, , 1825-1828.	0.2	2
61	Analysis of the non-stationarity of neural activity during an auditory oddball task in schizophrenia. , 2016, 2016, 3724-3727.		1
62	Analysis of Functional Connectivity During an Auditory Oddball Task in Schizophrenia. <i>Biosystems and Biorobotics</i> , 2017, , 751-755.	0.2	1
63	Event-Related Phase-Amplitude Coupling: A Comparative Study. <i>Biosystems and Biorobotics</i> , 2017, , 757-761.	0.2	1
64	Intraindividual Characterization of the Sleep Spindle Variability in Healthy Subjects. , 2020, 2020, 3473-3476.		1
65	Network Analysis on Overnight EEG Spectrum to Assess Relationships Between Paediatric Sleep Apnoea and Cognition. <i>IFMBE Proceedings</i> , 2020, , 1138-1146.	0.2	1
66	Entropy in Brain Networks. <i>Entropy</i> , 2021, 23, 1157.	1.1	0
67	Analysis of the functional EEG network in an Ecuadorian schizophrenia sample. <i>European Journal of Psychiatry</i> , 2021, 35, 216-216.	0.7	0
68	Applying Variable Ranking to Oximetric Recordings in Sleep Apnea Diagnosis. <i>IFMBE Proceedings</i> , 2014, , 969-972.	0.2	0
69	Control asÃncrono de sistemas BCI basados en ERP mediante la detecciÃ³n de potenciales evocados visuales de estado estable provocados por los estÃmulos perifÃ©ricos del paradigma oddball.. , 0, , .		0
70	Sistema brain-computer interface de navegaciÃ³n web orientado a personas con grave discapacidad. , 0, , .		0
71	Hypotheses and Objectives. <i>Springer Theses</i> , 2021, , 23-25.	0.0	0