

# Jesus Pastor

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,414  
citations

361413

20  
h-index

361022

35  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep brain stimulation of the centromedian thalamic nucleus for the treatment of generalized and frontal epilepsies. <i>Epilepsia</i> , 2013, 54, 1823-1833.	5.1	200
2	Astrocyte Calcium Signal and Gliotransmission in Human Brain Tissue. <i>Cerebral Cortex</i> , 2013, 23, 1240-1246.	2.9	110
3	Synchronization Clusters of Interictal Activity in the Lateral Temporal Cortex of Epileptic Patients: Intraoperative Electrocorticographic Analysis. <i>Epilepsia</i> , 2008, 49, 269-280.	5.1	103
4	Complex network analysis of human ECoG data. <i>Neuroscience Letters</i> , 2008, 447, 129-133.	2.1	86
5	Correlation of transcriptome profile with electrical activity in temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2006, 22, 374-387.	4.4	72
6	Long-term results of posteromedial hypothalamic deep brain stimulation for patients with resistant aggressiveness. <i>Journal of Neurosurgery</i> , 2013, 119, 277-287.	1.6	62
7	Low-Frequency Bilateral Hypothalamic Stimulation for Treatment of Drug-Resistant Aggressiveness in a Young Man with Mental Retardation. <i>Stereotactic and Functional Neurosurgery</i> , 2008, 86, 219-223.	1.5	55
8	Treatment of refractory epilepsy in adult patients with right-sided vagus nerve stimulation. <i>Epilepsy Research</i> , 2010, 90, 1-7.	1.6	40
9	Promoting in vivo remyelination with small molecules: a neuroreparative pharmacological treatment for Multiple Sclerosis. <i>Scientific Reports</i> , 2017, 7, 43545.	3.3	40
10	Long-term results of vagal nerve stimulation for adults with medication-resistant epilepsy who have been on unchanged antiepileptic medication. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013, 22, 9-13.	2.0	39
11	Specific EEG Encephalopathy Pattern in SARS-CoV-2 Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 1545.	2.4	38
12	Plasma albumin induces calcium waves in rat cortical astrocytes. , 1997, 19, 343-351.		37
13	Morbidity associated with the use of foramen ovale electrodes. <i>Epilepsia</i> , 2008, 49, 464-469.	5.1	35
14	Stability of Synchronization Clusters and Seizurability in Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2012, 7, e41799.	2.5	33
15	Alterations of the Microvascular Network in Sclerotic Hippocampi From Patients With Epilepsy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 939-950.	1.7	29
16	Role of intraoperative neurophysiological monitoring during fluorescence-guided resection surgery. <i>Acta Neurochirurgica</i> , 2013, 155, 2201-2213.	1.7	27
17	Impaired mesial synchronization in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2011, 122, 1106-1116.	1.5	26
18	Network Substrates of Centromedian Nucleus Deep Brain Stimulation in Generalized Pharmacoresistant Epilepsy. <i>Neurotherapeutics</i> , 2021, 18, 1665-1677.	4.4	26

#	ARTICLE	IF	CITATIONS
19	Skin Erosion over Implants in Deep Brain Stimulation Patients. Stereotactic and Functional Neurosurgery, 2008, 86, 120-126.	1.5	25
20	Effectiveness of vagal nerve stimulation in medication-resistant epilepsy. Comparison between patients with and without medication changes. Acta Neurochirurgica, 2017, 159, 131-136.	1.7	24
21	Identifying causal relationships between EEG activity and intracranial pressure changes in neurocritical care patients. Journal of Neural Engineering, 2018, 15, 066029.	3.5	24
22	Voltage sources in mesial temporal lobe epilepsy recorded with foramen ovale electrodes. Clinical Neurophysiology, 2006, 117, 2604-2614.	1.5	22
23	Functional Heterogeneity of Mouse and Human Brain OPCs: Relevance for Preclinical Studies in Multiple Sclerosis. Journal of Clinical Medicine, 2020, 9, 1681.	2.4	22
24	Etomidate accurately localizes the epileptic area in patients with temporal lobe epilepsy. Epilepsia, 2010, 51, 602-609.	5.1	20
25	Deep brain stimulation for aggressiveness: long-term follow-up and tractography study of the stimulated brain areas. Journal of Neurosurgery, 2021, 134, 366-375.	1.6	18
26	Identification of redundant and synergetic circuits in triplets of electrophysiological data. Journal of Neural Engineering, 2015, 12, 066007.	3.5	15
27	Disrupted Ipsilateral Network Connectivity in Temporal Lobe Epilepsy. PLoS ONE, 2015, 10, e0140859.	2.5	14
28	Potential EEG biomarkers of sedation doses in intensive care patients unveiled by using a machine learning approach. Journal of Neural Engineering, 2019, 16, 026031.	3.5	14
29	First true initial ictal SPECT in partial epilepsy verified by electroencephalography. Neuropsychiatric Disease and Treatment, 2008, 4, 305.	2.2	12
30	Monitoring of motor and somatosensory systems in a 26-week pregnant woman. Acta Neurochirurgica, 2010, 152, 1231-1234.	1.7	11
31	Plasma Albumin Induces Cytosolic Calcium Oscillations and DNA Synthesis in Human Cultured Astrocytes. BioMed Research International, 2014, 2014, 1-10.	1.9	11
32	Can We Put Aside Microelectrode Recordings in Deep Brain Stimulation Surgery?. Brain Sciences, 2020, 10, 571.	2.3	11
33	A new potential specifically marks the sensory thalamus in anaesthetised patients. Clinical Neurophysiology, 2019, 130, 1926-1936.	1.5	10
34	Electrocorticographic evidence and surgical implications of different physiopathologic subtypes of temporal epilepsy. Clinical Neurophysiology, 2014, 125, 2349-2357.	1.5	8
35	Radiofrequency Lesions through Deep Brain Stimulation Electrodes in Movement Disorders: Case Report and Review of the Literature. Stereotactic and Functional Neurosurgery, 2017, 95, 137-141.	1.5	8
36	Posteromedial Hypothalamic Deep Brain Stimulation for Refractory Aggressiveness in a Patient With Weaver Syndrome: Clinical, Technical Report and Operative Video. Operative Neurosurgery, 2021, 21, 165-171.	0.8	8

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37	Quantified EEG for the Characterization of Epileptic Seizures versus Periodic Activity in Critically Ill Patients. <i>Brain Sciences</i> , 2020, 10, 158.	2.3	7
38	Influence of paroxysmal activity on background synchronization in epileptic recordings. <i>Journal of Neuroscience Methods</i> , 2014, 223, 69-73.	2.5	6
39	Towards Operational Definition of Postictal Stage: Spectral Entropy as a Marker of Seizure Ending. <i>Entropy</i> , 2017, 19, 81.	2.2	6
40	Prediction of Laterality in Temporal Lobe Epilepsy Using White Matter Diffusion Metrics. <i>World Neurosurgery</i> , 2019, 128, e700-e708.	1.3	6
41	Neurophysiological Characterization of Thalamic Nuclei in Epileptic Anaesthetized Patients. <i>Brain Sciences</i> , 2019, 9, 312.	2.3	5
42	Ultrasound-Guided Near-Nerve Needle Sensory Technique for the Diagnosis of Tarsal Tunnel Syndrome. <i>Journal of Clinical Medicine</i> , 2021, 10, 3065.	2.4	5
43	Intraoperative Neurophysiological Monitoring in Neuro-oncology. , 0, , .		4
44	Assessing the equivalence between etomidate and seizure network dynamics in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 169-178.	1.5	4
45	Network Theoretical Approach to Describe Epileptic Processes. , 0, , .		3
46	Network Analysis of Foramen Ovale Electrode Recordings in Drug-resistant Temporal Lobe Epilepsy Patients. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
47	Do we Need to Wake Patients up during Cortical Surgery?. <i>Journal of Cancer Research Updates</i> , 2018, 7, 84-96.	0.3	3
48	Extrahippocampal Desynchronization in Nonlesional Temporal Lobe Epilepsy. <i>Epilepsy Research &amp; Treatment</i> , 2012, 2012, 1-9.	1.4	2
49	Psychogenic Non-Epileptic Seizures in a Surgical Epilepsy Unit: Experience and a Comprehensive Review. , 0, , .		2
50	Features of Action Potentials from Identified Thalamic Nuclei in Anesthetized Patients. <i>Brain Sciences</i> , 2020, 10, 1002.	2.3	2
51	Global Interactions Analysis of Epileptic ECoG Data. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
52	What Do Changes in Brain Perfusion Induced by Etomidate Suggest about Epilepsy in Human Patients?. <i>Epilepsy Research &amp; Treatment</i> , 2010, 2010, 1-7.	1.4	1
53	Response to "Vagus nerve stimulation: Urgent need for the critical reappraisal of clinical effectiveness" Seizure: the Journal of the British Epilepsy Association, 2013, 22, 490-491.	2.0	1
54	Necessity of Quantitative EEG for Daily Clinical Practice. , 0, , .		1

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55	Neurophysiological Characterization of Posteromedial Hypothalamus in Anaesthetized Patients. Brain Sciences, 2022, 12, 43.	2.3	1
56	2013 AANS Annual Scientific Electronic Poster Winners. Journal of Neurosurgery, 2013, 119, A581-A589.	1.6	0
57	Etomidate: A Complementary Diagnostic Tool for Pre-Surgical Evaluation in Temporal Lobe Epilepsy. Archives of Neuroscience, 2016, 3, .	0.3	0