

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	Neurophysiological Characterization of Posteromedial Hypothalamus in Anaesthetized Patients. <i>Brain Sciences</i> , 2022, 12, 43.	2.3	1
2	Deep brain stimulation for aggressiveness: long-term follow-up and tractography study of the stimulated brain areas. <i>Journal of Neurosurgery</i> , 2021, 134, 366-375.	1.6	18
3	Network Substrates of Centromedian Nucleus Deep Brain Stimulation in Generalized Pharmacoresistant Epilepsy. <i>Neurotherapeutics</i> , 2021, 18, 1665-1677.	4.4	26
4	Posteromedial Hypothalamic Deep Brain Stimulation for Refractory Aggressiveness in a Patient With Weaver Syndrome: Clinical, Technical Report and Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, 165-171.	0.8	8
5	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
6	Can We Put Aside Microelectrode Recordings in Deep Brain Stimulation Surgery?. <i>Brain Sciences</i> , 2020, 10, 571.	2.3	11
7	Features of Action Potentials from Identified Thalamic Nuclei in Anesthetized Patients. <i>Brain Sciences</i> , 2020, 10, 1002.	2.3	2
8	Functional Heterogeneity of Mouse and Human Brain OPCs: Relevance for Preclinical Studies in Multiple Sclerosis. <i>Journal of Clinical Medicine</i> , 2020, 9, 1681.	2.4	22
9	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
10	Specific EEG Encephalopathy Pattern in SARS-CoV-2 Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 1545.	2.4	38
11	A new potential specifically marks the sensory thalamus in anaesthetised patients. <i>Clinical Neurophysiology</i> , 2019, 130, 1926-1936.	1.5	10
12	Neurophysiological Characterization of Thalamic Nuclei in Epileptic Anaesthetized Patients. <i>Brain Sciences</i> , 2019, 9, 312.	2.3	5
13	Prediction of Laterality in Temporal Lobe Epilepsy Using White Matter Diffusion Metrics. <i>World Neurosurgery</i> , 2019, 128, e700-e708.	1.3	6
14	Potential EEG biomarkers of sedation doses in intensive care patients unveiled by using a machine learning approach. <i>Journal of Neural Engineering</i> , 2019, 16, 026031.	3.5	14
15	Identifying causal relationships between EEG activity and intracranial pressure changes in neurocritical care patients. <i>Journal of Neural Engineering</i> , 2018, 15, 066029.	3.5	24
16	Do we Need to Wake Patients up during Cortical Surgery?. <i>Journal of Cancer Research Updates</i> , 2018, 7, 84-96.	0.3	3
17	Promoting in vivo remyelination with small molecules: a neuroreparative pharmacological treatment for Multiple Sclerosis. <i>Scientific Reports</i> , 2017, 7, 43545.	3.3	40
18	Radiofrequency Lesions through Deep Brain Stimulation Electrodes in Movement Disorders: Case Report and Review of the Literature. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 137-141.	1.5	8

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19	Effectiveness of vagal nerve stimulation in medication-resistant epilepsy. Comparison between patients with and without medication changes. <i>Acta Neurochirurgica</i> , 2017, 159, 131-136.	1.7	24
20	Towards Operational Definition of Postictal Stage: Spectral Entropy as a Marker of Seizure Ending. <i>Entropy</i> , 2017, 19, 81.	2.2	6
21	Network Analysis of Foramen Ovale Electrode Recordings in Drug-resistant Temporal Lobe Epilepsy Patients. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
22	Assessing the equivalence between etomidate and seizure network dynamics in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 169-178.	1.5	4
23	Etomidate: A Complementary Diagnostic Tool for Pre-Surgical Evaluation in Temporal Lobe Epilepsy. <i>Archives of Neuroscience</i> , 2016, 3, .	0.3	0
24	Identification of redundant and synergetic circuits in triplets of electrophysiological data. <i>Journal of Neural Engineering</i> , 2015, 12, 066007.	3.5	15
25	Disrupted Ipsilateral Network Connectivity in Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2015, 10, e0140859.	2.5	14
26	Plasma Albumin Induces Cytosolic Calcium Oscillations and DNA Synthesis in Human Cultured Astrocytes. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	11
27	Influence of paroxysmal activity on background synchronization in epileptic recordings. <i>Journal of Neuroscience Methods</i> , 2014, 223, 69-73.	2.5	6
28	Electrocorticographic evidence and surgical implications of different physiopathologic subtypes of temporal epilepsy. <i>Clinical Neurophysiology</i> , 2014, 125, 2349-2357.	1.5	8
29	Astrocyte Calcium Signal and Gliotransmission in Human Brain Tissue. <i>Cerebral Cortex</i> , 2013, 23, 1240-1246.	2.9	110
30	Role of intraoperative neurophysiological monitoring during fluorescence-guided resection surgery. <i>Acta Neurochirurgica</i> , 2013, 155, 2201-2213.	1.7	27
31	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
32	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
33	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
34	2013 AANS Annual Scientific Electronic Poster Winners. <i>Journal of Neurosurgery</i> , 2013, 119, A581-A589.	1.6	0
35	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
36	Extrahippocampal Desynchronization in Nonlesional Temporal Lobe Epilepsy. <i>Epilepsy Research & Treatment</i> , 2012, 2012, 1-9.	1.4	2

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37	Stability of Synchronization Clusters and Seizurability in Temporal Lobe Epilepsy. PLoS ONE, 2012, 7, e41799.	2.5	33
38	Impaired mesial synchronization in temporal lobe epilepsy. Clinical Neurophysiology, 2011, 122, 1106-1116.	1.5	26
39	Monitoring of motor and somatosensory systems in a 26-week pregnant woman. Acta Neurochirurgica, 2010, 152, 1231-1234.	1.7	11
40	Treatment of refractory epilepsy in adult patients with right-sided vagus nerve stimulation. Epilepsy Research, 2010, 90, 1-7.	1.6	40
41	Etomidate accurately localizes the epileptic area in patients with temporal lobe epilepsy. Epilepsia, 2010, 51, 602-609.	5.1	20
42	What Do Changes in Brain Perfusion Induced by Etomidate Suggest about Epilepsy in Human Patients?. Epilepsy Research & Treatment, 2010, 2010, 1-7.	1.4	1
43	Alterations of the Microvascular Network in Sclerotic Hippocampi From Patients With Epilepsy. Journal of Neuropathology and Experimental Neurology, 2009, 68, 939-950.	1.7	29
44	Synchronization Clusters of Interictal Activity in the Lateral Temporal Cortex of Epileptic Patients: Intraoperative Electrographic Analysis. Epilepsia, 2008, 49, 269-280.	5.1	103
45	Morbidity associated with the use of foramen ovale electrodes. Epilepsia, 2008, 49, 464-469.	5.1	35
46	Complex network analysis of human ECoG data. Neuroscience Letters, 2008, 447, 129-133.	2.1	86
47	Skin Erosion over Implants in Deep Brain Stimulation Patients. Stereotactic and Functional Neurosurgery, 2008, 86, 120-126.	1.5	25
48	Low-Frequency Bilateral Hypothalamic Stimulation for Treatment of Drug-Resistant Aggressiveness in a Young Man with Mental Retardation. Stereotactic and Functional Neurosurgery, 2008, 86, 219-223.	1.5	55
49	First true initial ictal SPECT in partial epilepsy verified by electroencephalography. Neuropsychiatric Disease and Treatment, 2008, 4, 305.	2.2	12
50	Global Interactions Analysis of Epileptic ECoG Data. AIP Conference Proceedings, 2007, , .	0.4	1
51	Voltage sources in mesial temporal lobe epilepsy recorded with foramen ovale electrodes. Clinical Neurophysiology, 2006, 117, 2604-2614.	1.5	22
52	Correlation of transcriptome profile with electrical activity in temporal lobe epilepsy. Neurobiology of Disease, 2006, 22, 374-387.	4.4	72
53	Plasma albumin induces calcium waves in rat cortical astrocytes. , 1997, 19, 343-351.		37
54	Psychogenic Non-Epileptic Seizures in a Surgical Epilepsy Unit: Experience and a Comprehensive Review. , 0, , .		2

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55	Intraoperative Neurophysiological Monitoring in Neuro-oncology. , 0, , .		4
56	Network Theoretical Approach to Describe Epileptic Processes. , 0, , .		3
57	Necessity of Quantitative EEG for Daily Clinical Practice. , 0, , .		1