

Miguel Valencia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/295374/publications.pdf>

Version: 2024-02-01

71
papers

4,560
citations

172457

29
h-index

106344

65
g-index

74
all docs

74
docs citations

74
times ranked

5694
citing authors

#	ARTICLE	IF	CITATIONS
1	Topography of Cortical Activation Differs for Fundamental and Harmonic Frequencies of the Steady-State Visual-Evoked Responses. An EEG and PET H215O Study. <i>Cerebral Cortex</i> , 2007, 17, 1899-1905.	2.9	608
2	Coupling between Beta and High-Frequency Activity in the Human Subthalamic Nucleus May Be a Pathophysiological Mechanism in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2010, 30, 6667-6677.	3.6	348
3	Slow oscillatory activity and levodopa-induced dyskinesias in Parkinson's disease. <i>Brain</i> , 2006, 129, 1748-1757.	7.6	305
4	Human Cerebral Activation during Steady-State Visual-Evoked Responses. <i>Journal of Neuroscience</i> , 2003, 23, 11621-11627.	3.6	255
5	Independent Component Analysis as a Tool to Eliminate Artifacts in EEG: A Quantitative Study. <i>Journal of Clinical Neurophysiology</i> , 2003, 20, 249-257.	1.7	218
6	Functional Modularity of Background Activities in Normal and Epileptic Brain Networks. <i>Physical Review Letters</i> , 2010, 104, 118701.	7.8	215
7	Remote Synchronization Reveals Network Symmetries and Functional Modules. <i>Physical Review Letters</i> , 2013, 110, 174102.	7.8	209
8	Involvement of the subthalamic nucleus in impulse control disorders associated with Parkinson's disease. <i>Brain</i> , 2011, 134, 36-49.	7.6	187
9	Movement-related changes in oscillatory activity in the human subthalamic nucleus: ipsilateral vs. contralateral movements. <i>European Journal of Neuroscience</i> , 2005, 22, 2315-2324.	2.6	159
10	The subthalamic nucleus is involved in successful inhibition in the stop-signal task: A local field potential study in Parkinson's disease. <i>Experimental Neurology</i> , 2013, 239, 1-12.	4.1	143
11	Segregated cholinergic transmission modulates dopamine neurons integrated in distinct functional circuits. <i>Nature Neuroscience</i> , 2016, 19, 1025-1033.	14.8	122
12	Dynamic small-world behavior in functional brain networks unveiled by an event-related networks approach. <i>Physical Review E</i> , 2008, 77, 050905.	2.1	115
13	High beta activity in the subthalamic nucleus and freezing of gait in Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 64, 60-65.	4.4	113
14	Independent Component Analysis Removing Artifacts in Ictal Recordings. <i>Epilepsia</i> , 2004, 45, 1071-1078.	5.1	106
15	Changes in subthalamic activity during movement observation in Parkinson's disease: Is the mirror system mirrored in the basal ganglia?. <i>Clinical Neurophysiology</i> , 2010, 121, 414-425.	1.5	100
16	Frontal and central oscillatory changes related to different aspects of the motor process: a study in go/no-go paradigms. <i>Experimental Brain Research</i> , 2004, 159, 14-22.	1.5	88
17	Potentials evoked by chirp-modulated tones: a new technique to evaluate oscillatory activity in the auditory pathway. <i>Clinical Neurophysiology</i> , 2004, 115, 699-709.	1.5	83
18	Complex modular structure of large-scale brain networks. <i>Chaos</i> , 2009, 19, 023119.	2.5	73

#	ARTICLE	IF	CITATIONS
19	Ketamine-Induced Oscillations in the Motor Circuit of the Rat Basal Ganglia. PLoS ONE, 2011, 6, e21814.	2.5	65
20	Oscillatory changes related to the forced termination of a movement. Clinical Neurophysiology, 2008, 119, 290-300.	1.5	61
21	Epilepsy and neuropsychiatric comorbidities in mice carrying a recurrent Dravet syndrome SCN1A missense mutation. Scientific Reports, 2019, 9, 14172.	3.3	61
22	Identification of neuronal network properties from the spectral analysis of calcium imaging signals in neuronal cultures. Frontiers in Neural Circuits, 2013, 7, 199.	2.8	51
23	Alpha and beta changes in cortical oscillatory activity in a go/no go randomly-delayed-response choice reaction time paradigm. Clinical Neurophysiology, 2006, 117, 16-25.	1.5	49
24	Subthalamic activity during diphasic dyskinesias in Parkinson's disease. Movement Disorders, 2012, 27, 1178-1181.	3.9	48
25	Cholinergic midbrain afferents modulate striatal circuits and shape encoding of action strategies. Nature Communications, 2020, 11, 1739.	12.8	46
26	Delta-mediated cross-frequency coupling organizes oscillatory activity across the rat cortico-basal ganglia network. Frontiers in Neural Circuits, 2013, 7, 155.	2.8	45
27	Decoding brain state transitions in the pedunculopontine nucleus: cooperative phasic and tonic mechanisms. Frontiers in Neural Circuits, 2015, 9, 68.	2.8	39
28	Coupling in the cortico-basal ganglia circuit is aberrant in the ketamine model of schizophrenia. European Neuropsychopharmacology, 2015, 25, 1375-1387.	0.7	38
29	E46K α -synuclein pathological mutation causes cell-autonomous toxicity without altering protein turnover or aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8274-E8283.	7.1	35
30	COMPLEX NETWORKS: NEW TRENDS FOR THE ANALYSIS OF BRAIN CONNECTIVITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1677-1686.	1.7	33
31	Effect of Dexmedetomidine and Propofol on Basal Ganglia Activity in Parkinson Disease. Anesthesiology, 2017, 126, 1033-1042.	2.5	33
32	Long-term continuous positive airway pressure therapy improves cardiac autonomic tone during sleep in patients with obstructive sleep apnea. Clinical Autonomic Research, 2015, 25, 225-232.	2.5	30
33	Characterizing the phenotypes of obstructive sleep apnea: Clinical, sleep, and autonomic features of obstructive sleep apnea with and without hypoxia. Clinical Neurophysiology, 2014, 125, 1783-1791.	1.5	29
34	Comparison of background EEG activity of different groups of patients with idiopathic epilepsy using Shannon spectral entropy and cluster-based permutation statistical testing. PLoS ONE, 2017, 12, e0184044.	2.5	27
35	Chirp-evoked potentials in the awake and anesthetized rat. A procedure to assess changes in cortical oscillatory activity. Experimental Neurology, 2008, 210, 144-153.	4.1	26
36	Cardiac autonomic impairment during sleep is linked with disease severity in Parkinson's disease. Clinical Neurophysiology, 2013, 124, 1163-1168.	1.5	26

#	ARTICLE	IF	CITATIONS
37	Abnormal functional connectivity between motor cortex and pedunculopontine nucleus following chronic dopamine depletion. <i>Journal of Neurophysiology</i> , 2014, 111, 434-440.	1.8	26
38	Atypical antipsychotics normalize low-gamma evoked oscillations in patients with schizophrenia. <i>Psychiatry Research</i> , 2017, 247, 214-221.	3.3	24
39	Dynamic Interaction of Spindles and Gamma Activity during Cortical Slow Oscillations and Its Modulation by Subcortical Afferents. <i>PLoS ONE</i> , 2013, 8, e67540.	2.5	22
40	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. <i>Cerebellum</i> , 2017, 16, 358-375.	2.5	21
41	High frequency oscillations in the somatosensory evoked potentials (SSEP's) are mainly due to phase-resetting phenomena. <i>Journal of Neuroscience Methods</i> , 2006, 154, 142-148.	2.5	20
42	Independent Component Analysis in the Study of Focal Seizures. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 551-558.	1.7	19
43	High-Frequency Oscillations in the Somatosensory Evoked Potentials of Patients With Cortical Myoclonus: Pathophysiologic Implications. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 265-272.	1.7	18
44	Independent Component Analysis Separates Spikes of Different Origin in the EEG. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 72-78.	1.7	17
45	Effect of Reduced Attention on Auditory Amplitude-Modulation Following Responses: A Study With Chirp-Evoked Potentials. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 42-47.	1.7	17
46	Basal cardiac autonomic tone is normal in patients with periodic leg movements during sleep. <i>Journal of Neural Transmission</i> , 2014, 121, 385-390.	2.8	16
47	Transfer of SCN1A to the brain of adolescent mouse model of Dravet syndrome improves epileptic, motor, and behavioral manifestations. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 585-602.	5.1	16
48	Influence of filters in the detrended fluctuation analysis of digital electroencephalographic data. <i>Journal of Neuroscience Methods</i> , 2008, 170, 310-316.	2.5	13
49	Oscillatory activity in the human basal ganglia: More than just beta, more than just Parkinson's disease. <i>Experimental Neurology</i> , 2013, 248, 183-186.	4.1	12
50	Cortical gamma activity during auditory tone omission provides evidence for the involvement of oscillatory activity in top-down processing. <i>Experimental Brain Research</i> , 2006, 175, 463-470.	1.5	11
51	Disruption of medial prefrontal synchrony in the subchronic phencyclidine model of schizophrenia in rats. <i>Neuroscience</i> , 2015, 287, 157-163.	2.3	11
52	Physiological response while driving in an immersive virtual environment. , 2017, , .		10
53	Abnormal brain gamma oscillations in response to auditory stimulation in Dravet syndrome. <i>European Journal of Paediatric Neurology</i> , 2020, 24, 134-141.	1.6	9
54	Effects of dexmedetomidine on subthalamic local field potentials in Parkinson's disease. <i>British Journal of Anaesthesia</i> , 2021, 127, 245-253.	3.4	9

#	ARTICLE	IF	CITATIONS
55	Community structure in large-scale cortical networks during motor acts. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 603-610.	5.1	8
56	Trade-off between frequency and precision during stepping movements: Kinematic and BOLD brain activation patterns. <i>Human Brain Mapping</i> , 2016, 37, 1722-1737.	3.6	8
57	Dopaminergic modulation of the spectral characteristics in the rat brain oscillatory activity. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 619-628.	5.1	7
58	Node Accessibility in Cortical Networks During Motor Tasks. <i>Neuroinformatics</i> , 2013, 11, 355-366.	2.8	7
59	Theta-phase closed-loop stimulation induces motor paradoxical responses in the rat model of Parkinson disease. <i>Brain Stimulation</i> , 2018, 11, 231-238.	1.6	7
60	Oscillatory Cortical Changes During Periodic Limb Movements. <i>Sleep</i> , 2004, 27, 1493-1498.	1.1	6
61	Imitating versus non-imitating movements: Differences in frontal electroencephalographic oscillatory activity. <i>Neuroscience Letters</i> , 2006, 398, 201-205.	2.1	6
62	Cortical oscillations scan using chirp-evoked potentials in 6-hydroxydopamine rat model of Parkinson's disease. <i>Brain Research</i> , 2010, 1310, 58-67.	2.2	6
63	<scp>GABA_BR</scp> activation partially normalizes acute <scp>NMDAR</scp> hypofunction oscillatory abnormalities but fails to rescue sensory processing deficits. <i>Journal of Neurochemistry</i> , 2022, 161, 417-434.	3.9	6
64	Cardiac autonomic impairment during sleep as a marker of human prion diseases: A preliminary report. <i>Clinical Neurophysiology</i> , 2014, 125, 208-210.	1.5	4
65	Imaging of Stroke in Rodents Using a Clinical Scanner and Inductively Coupled Specially Designed Receiver Coils. <i>Annals of Biomedical Engineering</i> , 2021, 49, 746-756.	2.5	4
66	Somatosensory evoked potentials sources revealed by ICA. , 0, , .		3
67	Real-Time G-Protein-Coupled Receptor Imaging to Understand and Quantify Receptor Dynamics. <i>Scientific World Journal, The</i> , 2011, 11, 1995-2010.	2.1	2
68	Soft polymer sensor for recording surface cortical activity in freely moving rodents. <i>Sensors and Actuators A: Physical</i> , 2016, 251, 241-247.	4.1	2
69	Phase measures in the study of brain responses. , 0, , .		1
70	Simultaneous extraction and localization of dipolar independent components in evoked potentials. , 0, , .		0
71	An interactive framework for the detection of ictal and interictal activities: Cross-species and stand-alone implementation. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 218, 106728.	4.7	0