

Miguel Valencia

List of Publications by Year in descending order

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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	<scp>GABA_BR</scp> activation partially normalizes acute <scp>NMDAR</scp> hypofunction oscillatory abnormalities but fails to rescue sensory processing deficits. Journal of Neurochemistry, 2022, 161, 417-434.	3.9	6
2	An interactive framework for the detection of ictal and interictal activities: Cross-species and stand-alone implementation. Computer Methods and Programs in Biomedicine, 2022, 218, 106728.	4.7	0
3	Imaging of Stroke in Rodents Using a Clinical Scanner and Inductively Coupled Specially Designed Receiver Coils. Annals of Biomedical Engineering, 2021, 49, 746-756.	2.5	4
4	Effects of dexmedetomidine on subthalamic local field potentials in Parkinson's disease. British Journal of Anaesthesia, 2021, 127, 245-253.	3.4	9
5	Transfer of SCN1A to the brain of adolescent mouse model of Dravet syndrome improves epileptic, motor, and behavioral manifestations. Molecular Therapy - Nucleic Acids, 2021, 25, 585-602.	5.1	16
6	Abnormal brain gamma oscillations in response to auditory stimulation in Dravet syndrome. European Journal of Paediatric Neurology, 2020, 24, 134-141.	1.6	9
7	Cholinergic midbrain afferents modulate striatal circuits and shape encoding of action strategies. Nature Communications, 2020, 11, 1739.	12.8	46
8	Epilepsy and neuropsychiatric comorbidities in mice carrying a recurrent Dravet syndrome SCN1A missense mutation. Scientific Reports, 2019, 9, 14172.	3.3	61
9	Theta-phase closed-loop stimulation induces motor paradoxical responses in the rat model of Parkinson disease. Brain Stimulation, 2018, 11, 231-238.	1.6	7
10	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. Cerebellum, 2017, 16, 358-375.	2.5	21
11	Effect of Dexmedetomidine and Propofol on Basal Ganglia Activity in Parkinson Disease. Anesthesiology, 2017, 126, 1033-1042.	2.5	33
12	Atypical antipsychotics normalize low-gamma evoked oscillations in patients with schizophrenia. Psychiatry Research, 2017, 247, 214-221.	3.3	24
13	E46K Î±-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
14	Physiological response while driving in an immersive virtual environment. , 2017, , .		10
15	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
16	Soft polymer sensor for recording surface cortical activity in freely moving rodents. Sensors and Actuators A: Physical, 2016, 251, 241-247.	4.1	2
17	Trade-off between frequency and precision during stepping movements: Kinematic and BOLD brain activation patterns. Human Brain Mapping, 2016, 37, 1722-1737.	3.6	8
18	Segregated cholinergic transmission modulates dopamine neurons integrated in distinct functional circuits. Nature Neuroscience, 2016, 19, 1025-1033.	14.8	122

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19	Decoding brain state transitions in the pedunclopontine nucleus: cooperative phasic and tonic mechanisms. <i>Frontiers in Neural Circuits</i> , 2015, 9, 68.	2.8	39
20	Coupling in the cortico-basal ganglia circuit is aberrant in the ketamine model of schizophrenia. <i>European Neuropsychopharmacology</i> , 2015, 25, 1375-1387.	0.7	38
21	Long-term continuous positive airway pressure therapy improves cardiac autonomic tone during sleep in patients with obstructive sleep apnea. <i>Clinical Autonomic Research</i> , 2015, 25, 225-232.	2.5	30
22	Disruption of medial prefrontal synchrony in the subchronic phencyclidine model of schizophrenia in rats. <i>Neuroscience</i> , 2015, 287, 157-163.	2.3	11
23	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
24	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
25	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
26	Characterizing the phenotypes of obstructive sleep apnea: Clinical, sleep, and autonomic features of obstructive sleep apnea with and without hypoxia. <i>Clinical Neurophysiology</i> , 2014, 125, 1783-1791.	1.5	29
27	Abnormal functional connectivity between motor cortex and pedunclopontine nucleus following chronic dopamine depletion. <i>Journal of Neurophysiology</i> , 2014, 111, 434-440.	1.8	26
28	Cardiac autonomic impairment during sleep is linked with disease severity in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2013, 124, 1163-1168.	1.5	26
29	Node Accessibility in Cortical Networks During Motor Tasks. <i>Neuroinformatics</i> , 2013, 11, 355-366.	2.8	7
30	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
31	Remote Synchronization Reveals Network Symmetries and Functional Modules. <i>Physical Review Letters</i> , 2013, 110, 174102.	7.8	209
32	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
33	Delta-mediated cross-frequency coupling organizes oscillatory activity across the rat cortico-basal ganglia network. <i>Frontiers in Neural Circuits</i> , 2013, 7, 155.	2.8	45
34	Identification of neuronal network properties from the spectral analysis of calcium imaging signals in neuronal cultures. <i>Frontiers in Neural Circuits</i> , 2013, 7, 199.	2.8	51
35	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
36	Subthalamic activity during diphasic dyskinesias in Parkinson's disease. <i>Movement Disorders</i> , 2012, 27, 1178-1181.	3.9	48

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37	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
38	Community structure in large-scale cortical networks during motor acts. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 603-610.	5.1	8
39	Involvement of the subthalamic nucleus in impulse control disorders associated with Parkinson's disease. <i>Brain</i> , 2011, 134, 36-49.	7.6	187
40	Real-Time G-Protein-Coupled Receptor Imaging to Understand and Quantify Receptor Dynamics. <i>Scientific World Journal</i> , The, 2011, 11, 1995-2010.	2.1	2
41	Ketamine-Induced Oscillations in the Motor Circuit of the Rat Basal Ganglia. <i>PLoS ONE</i> , 2011, 6, e21814.	2.5	65
42	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
43	Functional Modularity of Background Activities in Normal and Epileptic Brain Networks. <i>Physical Review Letters</i> , 2010, 104, 118701.	7.8	215
44	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
45	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
46	COMPLEX NETWORKS: NEW TRENDS FOR THE ANALYSIS OF BRAIN CONNECTIVITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 1677-1686.	1.7	33
47	Complex modular structure of large-scale brain networks. <i>Chaos</i> , 2009, 19, 023119.	2.5	73
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	Chirp-evoked potentials in the awake and anesthetized rat. A procedure to assess changes in cortical oscillatory activity. <i>Experimental Neurology</i> , 2008, 210, 144-153.	4.1	26
50	Oscillatory changes related to the forced termination of a movement. <i>Clinical Neurophysiology</i> , 2008, 119, 290-300.	1.5	61
51	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
52	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
53	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
54	Alpha and beta changes in cortical oscillatory activity in a go/no go randomly-delayed-response choice reaction time paradigm. <i>Clinical Neurophysiology</i> , 2006, 117, 16-25.	1.5	49

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55	Imitating versus non-imitating movements: Differences in frontal electroencephalographic oscillatory activity. <i>Neuroscience Letters</i> , 2006, 398, 201-205.	2.1	6
56	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
57	Independent Component Analysis in the Study of Focal Seizures. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 551-558.	1.7	19
58	Independent Component Analysis Separates Spikes of Different Origin in the EEG. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 72-78.	1.7	17
59	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
60	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
61	Slow oscillatory activity and levodopa-induced dyskinesias in Parkinson's disease. <i>Brain</i> , 2006, 129, 1748-1757.	7.6	305
62	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
63	Oscillatory Cortical Changes During Periodic Limb Movements. <i>Sleep</i> , 2004, 27, 1493-1498.	1.1	6
64	Independent Component Analysis Removing Artifacts in Ictal Recordings. <i>Epilepsia</i> , 2004, 45, 1071-1078.	5.1	106
65	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
66	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
67	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
68	Human Cerebral Activation during Steady-State Visual-Evoked Responses. <i>Journal of Neuroscience</i> , 2003, 23, 11621-11627.	3.6	255
69	Somatosensory evoked potentials sources revealed by ICA. , 0, , .		3
70	Simultaneous extraction and localization of dipolar independent components in evoked potentials. , 0, , .		0
71	Phase measures in the study of brain responses. , 0, , .		1