

Giovanni Pellegrino

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,582
citations

186265

28
h-index

214800

47
g-index

73
all docs

73
docs citations

73
times ranked

3304
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of brain plasticity in stroke: a novel model for neurorehabilitation. <i>Nature Reviews Neurology</i> , 2014, 10, 597-608.	10.1	644
2	Immediate and Late Modulation of Interhemispheric Imbalance With Bilateral Transcranial Direct Current Stimulation in Acute Stroke. <i>Brain Stimulation</i> , 2014, 7, 841-848.	1.6	96
3	Source localization of the seizure onset zone from ictal EEG/MEG data. <i>Human Brain Mapping</i> , 2016, 37, 2528-2546.	3.6	93
4	Inter-hemispheric coupling changes associate with motor improvements after robotic stroke rehabilitation. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 497-510.	0.7	90
5	Bringing transcranial mapping into shape: Sulcus-aligned mapping captures motor somatotopy in human primary motor hand area. <i>NeuroImage</i> , 2015, 120, 164-175.	4.2	90
6	Transcutaneous Vagus Nerve Stimulation Combined with Robotic Rehabilitation Improves Upper Limb Function after Stroke. <i>Neural Plasticity</i> , 2017, 2017, 1-6.	2.2	83
7	Detection and Magnetic Source Imaging of Fast Oscillations (40-160 Hz) Recorded with Magnetoencephalography in Focal Epilepsy Patients. <i>Brain Topography</i> , 2016, 29, 218-231.	1.8	76
8	Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009, 47, 1735-1746.	4.2	72
9	Near-Infrared Spectroscopy in Gait Disorders: Is It Time to Begin?. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 402-412.	2.9	67
10	Val66Met BDNF Gene Polymorphism Influences Human Motor Cortex Plasticity in Acute Stroke. <i>Brain Stimulation</i> , 2015, 8, 92-96.	1.6	64
11	Clinical yield of magnetoencephalography distributed source imaging in epilepsy: A comparison with equivalent current dipole method. <i>Human Brain Mapping</i> , 2018, 39, 218-231.	3.6	57
12	Wakefulness delta waves increase after cortical plasticity induction. <i>Clinical Neurophysiology</i> , 2015, 126, 1221-1227.	1.5	48
13	Hemodynamic Response to Interictal Epileptiform Discharges Addressed by Personalized EEG-fNIRS Recordings. <i>Frontiers in Neuroscience</i> , 2016, 10, 102.	2.8	46
14	Cathodal transcranial direct current stimulation reduces seizure frequency in adults with drug-resistant temporal lobe epilepsy: A sham controlled study. <i>Brain Stimulation</i> , 2017, 10, 333-335.	1.6	46
15	Oral fingolimod reduces glutamate-mediated intracortical excitability in relapsing-remitting multiple sclerosis. <i>Clinical Neurophysiology</i> , 2015, 126, 165-169.	1.5	40
16	Reproducibility of EEG-MEG fusion source analysis of interictal spikes: Relevance in presurgical evaluation of epilepsy. <i>Human Brain Mapping</i> , 2018, 39, 880-901.	3.6	38
17	The Effect of Cerebellar Degeneration on Human Sensori-motor Plasticity. <i>Brain Stimulation</i> , 2015, 8, 1144-1150.	1.6	37
18	Slow Activity in Focal Epilepsy During Sleep and Wakefulness. <i>Clinical EEG and Neuroscience</i> , 2017, 48, 200-208.	1.7	37

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19	Transcranial direct current stimulation over the sensory-motor regions inhibits gamma synchrony. <i>Human Brain Mapping</i> , 2019, 40, 2736-2746.	3.6	37
20	Accuracy and spatial properties of distributed magnetic source imaging techniques in the investigation of focal epilepsy patients. <i>Human Brain Mapping</i> , 2020, 41, 3019-3033.	3.6	37
21	The spontaneous fluctuation of the excitability of a single node modulates the internodes connectivity: A TMS-EEG study. <i>Human Brain Mapping</i> , 2014, 35, 1740-1749.	3.6	36
22	Theta and alpha oscillations as signatures of internal and external attention to delayed intentions: A magnetoencephalography (MEG) study. <i>NeuroImage</i> , 2020, 205, 116295.	4.2	36
23	Eslicarbazepine Acetate Modulates EEG Activity and Connectivity in Focal Epilepsy. <i>Frontiers in Neurology</i> , 2018, 9, 1054.	2.4	35
24	A neurally-interfaced hand prosthesis tuned inter-hemispheric communication. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 407-418.	0.7	34
25	Val66Met BDNF Polymorphism Implies a Different Way to Recover From Stroke Rather Than a Worse Overall Recoverability. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 3-8.	2.9	34
26	Optimal positioning of optodes on the scalp for personalized functional near-infrared spectroscopy investigations. <i>Journal of Neuroscience Methods</i> , 2018, 309, 91-108.	2.5	34
27	Mobile phone emission increases inter-hemispheric functional coupling of electroencephalographic alpha rhythms in epileptic patients. <i>International Journal of Psychophysiology</i> , 2012, 84, 164-171.	1.0	33
28	22q11.2 Deletion Syndrome Is Associated With Impaired Auditory Steady-State Gamma Response. <i>Schizophrenia Bulletin</i> , 2018, 44, 388-397.	4.3	33
29	Inflammation and iron metabolism in adult patients with epilepsy: Does a link exist?. <i>Epilepsy Research</i> , 2013, 107, 244-252.	1.6	32
30	Magnetoencephalography resting state connectivity patterns as indicatives of surgical outcome in epilepsy patients. <i>Journal of Neural Engineering</i> , 2020, 17, 035007.	3.5	32
31	Theta Activity in the Left Dorsal Premotor Cortex During Action Re-Evaluation and Motor Reprogramming. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 364.	2.0	30
32	Mobile Phone Emissions Modulate Brain Excitability in Patients with Focal Epilepsy. <i>Brain Stimulation</i> , 2013, 6, 448-454.	1.6	28
33	Combining Robotic Training and Non-Invasive Brain Stimulation in Severe Upper Limb-Impaired Chronic Stroke Patients. <i>Frontiers in Neuroscience</i> , 2016, 10, 88.	2.8	27
34	Bilateral Transcranial Direct Current Stimulation Reshapes Resting-State Brain Networks: A Magnetoencephalography Assessment. <i>Neural Plasticity</i> , 2018, 2018, 1-10.	2.2	26
35	Resting state network connectivity is attenuated by fMRI acoustic noise. <i>NeuroImage</i> , 2022, 247, 118791.	4.2	26
36	Nutritional Status of Patients with Alzheimer's Disease and Their Caregivers. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1619-1627.	2.6	23

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37	Cortical gamma-synchrony measured with magnetoencephalography is a marker of clinical status and predicts clinical outcome in stroke survivors. <i>NeuroImage: Clinical</i> , 2019, 24, 102092.	2.7	23
38	Human Motor Cortex Functional Changes in Acute Stroke: Gender Effects. <i>Frontiers in Neuroscience</i> , 2016, 10, 10.	2.8	22
39	Calcium metabolism serum markers in adult patients with epilepsy and the effect of vitamin D supplementation on seizure control. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 58, 75-81.	2.0	20
40	Effects of repetitive TMS of the motor cortex on disease progression and on glutamate and GABA levels in ALS: A proof of principle study. <i>Brain Stimulation</i> , 2017, 10, 1003-1005.	1.6	16
41	Hyperventilation induces sympathetic overactivation in mesial temporal epilepsy. <i>Epilepsy Research</i> , 2015, 110, 221-227.	1.6	14
42	How cerebral cortex protects itself from interictal spikes: The alpha/beta inhibition mechanism. <i>Human Brain Mapping</i> , 2021, 42, 3352-3365.	3.6	14
43	Intermittent Theta Burst Stimulation Over Ventral Premotor Cortex or Inferior Parietal Lobule Does Not Enhance the Rubber Hand Illusion. <i>Frontiers in Neuroscience</i> , 2018, 12, 870.	2.8	13
44	Auditory driven gamma synchrony is associated with cortical thickness in widespread cortical areas. <i>NeuroImage</i> , 2022, 255, 119175.	4.2	13
45	Conditioning transcranial magnetic stimulation of ventral premotor cortex shortens simple reaction time. <i>Cortex</i> , 2019, 121, 322-331.	2.4	11
46	Zonisamide for seizures in Parkinson's disease with dementia. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013, 22, 324-325.	2.0	10
47	Effects of Independent Component Analysis on Magnetoencephalography Source Localization in Pre-surgical Frontal Lobe Epilepsy Patients. <i>Frontiers in Neurology</i> , 2020, 11, 479.	2.4	10
48	Motor Cortex Stimulation for ALS: Open Label Extension Study of a Previous Small Trial. <i>Brain Stimulation</i> , 2014, 7, 143-144.	1.6	9
49	Nonconvulsive Seizures and Dementia: A Case Report. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-4.	2.0	8
50	De novo multifocal myoclonus induced by lamotrigine in a temporal lobe epilepsy case. <i>Journal of the Neurological Sciences</i> , 2017, 373, 31-32.	0.6	8
51	Evaluation of a personalized functional near infrared optical tomography workflow using maximum entropy on the mean. <i>Human Brain Mapping</i> , 2021, 42, 4823-4843.	3.6	8
52	Complex visual hallucinations after occipital extrastriate ischemic stroke. <i>Cortex</i> , 2012, 48, 774-777.	2.4	7
53	Investigating and Modulating Physiological and Pathological Brain Oscillations: The Role of Oscillatory Activity in Neural Plasticity. <i>Neural Plasticity</i> , 2019, 2019, 1-3.	2.2	7
54	Diffuse optical reconstructions of functional near infrared spectroscopy data using maximum entropy on the mean. <i>Scientific Reports</i> , 2022, 12, 2316.	3.3	7

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55	Osteomalacic myopathy: An uncommon side effect of antiepileptic drugs. <i>Muscle and Nerve</i> , 2013, 48, 837-838.	2.2	6
56	Extremely Low Frequency Magnetic Fields Do Not Affect LTP-Like Plasticity in Healthy Humans. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 14.	2.0	6
57	fMRI Acoustic Noise Enhances Parasympathetic Activity in Humans. <i>Brain Sciences</i> , 2021, 11, 1416.	2.3	6
58	<i>BDNF</i> polymorphism and interhemispheric balance of motor cortex excitability: a preliminary study. <i>Journal of Neurophysiology</i> , 2022, 127, 204-212.	1.8	6
59	Sensorimotor integration within the primary motor cortex by selective nerve fascicle stimulation. <i>Journal of Physiology</i> , 2022, 600, 1497-1514.	2.9	6
60	Complex epileptic palilalia: A case report. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 655-657.	2.0	5
61	The movement time analyser task investigated with functional near infrared spectroscopy: an ecologic approach for measuring hemodynamic response in the motor system. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 311-318.	2.9	5
62	Cortical Thickness of Brain Areas Beyond Stroke Lesions and Sensory-Motor Recovery: A Systematic Review. <i>Frontiers in Neuroscience</i> , 2021, 15, 764671.	2.8	5
63	Hemodynamic correlates of fluctuations in neuronal excitability: A simultaneous Paired Associative Stimulation (PAS) and functional near infra-red spectroscopy (fNIRS) study. <i>NeuroImage Reports</i> , 2022, 2, 100099.	1.0	5
64	Reduction of disease progression in a patient with amyotrophic lateral sclerosis after several years of epidural motor cortex stimulation. <i>Brain Stimulation</i> , 2017, 10, 324-325.	1.6	4
65	Hot spot hound: A novel robot-assisted platform for enhancing TMS performance. , 2013, 2013, 6301-4.		3
66	An unusual case of loss of consciousness: when an epileptic brain let the heart slow down. <i>Clinical Management Issues</i> , 2012, 6, 15-19.	0.3	1
67	P005 Brain activity preceding a 2D catching task. <i>Clinical Neurophysiology</i> , 2008, 119, S72.	1.5	0
68	P16-6 Effects of mobile phone emissions on the motor cortex excitability in focal epilepsy. <i>Clinical Neurophysiology</i> , 2010, 121, S198.	1.5	0
69	The illusion box of Syndactyly: Setup and ad hoc algorithm to induce virtual fingers webbing. , 2013, , .		0