Eugenio Abela

List of Publications by Year
in descending order

47 papers	1,736 citations	331670 21 h-index	302126 39 g-index
51 all docs	51 docs citations	51 times ranked	2733 citing authors

#	Article	IF	Citations
1	Extraneural Pathologic Prion Protein in Sporadic Creutzfeldt–Jakob Disease. New England Journal of Medicine, 2003, 349, 1812-1820.	27.0	299
2	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
3	Dynamic directed interictal connectivity in left and right temporal lobe epilepsy. Epilepsia, 2015, 56, 207-217.	5.1	117
4	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. Science Advances, 2020, 6, .	10.3	97
5	Lesion Location Predicts Transient and Extended Risk of Aspiration After Supratentorial Ischemic Stroke. Stroke, 2013, 44, 2760-2767.	2.0	87
6	An optimal strategy for epilepsy surgery: Disruption of the rich-club?. PLoS Computational Biology, 2017, 13, e1005637.	3.2	82
7	Lesions to Primary Sensory and Posterior Parietal Cortices Impair Recovery from Hand Paresis after Stroke. PLoS ONE, 2012, 7, e31275.	2.5	58
8	Dynamic brain network states in human generalized spike-wave discharges. Brain, 2018, 141, 2981-2994.	7.6	56
9	Mapping Epileptic Activity: Sources or Networks for the Clinicians?. Frontiers in Neurology, 2014, 5, 218.	2.4	55
10	Detecting Functional Hubs of Ictogenic Networks. Brain Topography, 2015, 28, 305-317.	1.8	49
11	Do executive dysfunction and freezing of gait in Parkinson's disease share the same neuroanatomical correlates?. Journal of the Neurological Sciences, 2015, 356, 184-187.	0.6	48
12	Resected Brain Tissue, Seizure Onset Zone and Quantitative EEG Measures: Towards Prediction of Post-Surgical Seizure Control. PLoS ONE, 2015, 10, e0141023.	2.5	43
13	Time Course Based Artifact Identification for Independent Components of Resting-State fMRI. Frontiers in Human Neuroscience, 2013, 7, 214.	2.0	41
14	Validation of Network Communicability Metrics for the Analysis of Brain Structural Networks. PLoS ONE, 2014, 9, e115503.	2.5	40
15	Slower alpha rhythm associates with poorer seizure control in epilepsy. Annals of Clinical and Translational Neurology, 2019, 6, 333-343.	3.7	38
16	Epileptic networks are strongly connected with and without the effects of interictal discharges. Epilepsia, 2016, 57, 1086-1096.	5.1	36
17	Ictal time-irreversible intracranial EEG signals as markers of the epileptogenic zone. Clinical Neurophysiology, 2016, 127, 3051-3058.	1.5	30
18	Elevated Ictal Brain Network Ictogenicity Enables Prediction of Optimal Seizure Control. Frontiers in Neurology, 2018, 9, 98.	2.4	30

#	Article	IF	Citations
19	Quantification and Selection of Ictogenic Zones in Epilepsy Surgery. Frontiers in Neurology, 2019, 10, 1045.	2.4	29
20	Focal hemodynamic patterns of status epilepticus detected by susceptibility weighted imaging (SWI). European Radiology, 2014, 24, 2980-2988.	4.5	28
21	Uniform approach to linear and nonlinear interrelation patterns in multivariate time series. Physical Review E, 2011, 83, 066215.	2.1	27
22	Computational modelling in source space from scalp EEG to inform presurgical evaluation of epilepsy. Clinical Neurophysiology, 2020, 131, 225-234.	1.5	27
23	Interhemispheric Cerebral Blood Flow Balance during Recovery of Motor Hand Function after Ischemic Stroke—A Longitudinal MRI Study Using Arterial Spin Labeling Perfusion. PLoS ONE, 2014, 9, e106327.	2.5	26
24	Dynamic network properties of the interictal brain determine whether seizures appear focal or generalised. Scientific Reports, 2020, 10, 7043.	3.3	23
25	Functional Connectivity in Tactile Object Discrimination—A Principal Component Analysis of an Event Related fMRI-Study. PLoS ONE, 2008, 3, e3831.	2.5	22
26	TMS as a pharmacodynamic indicator of cortical activity of a novel anti‐epileptic drug, XEN1101. Annals of Clinical and Translational Neurology, 2019, 6, 2164-2174.	3.7	21
27	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	7.6	18
28	Monitoring Cerebral Oxygenation during Balloon Occlusion with Multichannel NIRS. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 347-356.	4.3	17
29	Sensorimotor network hypersynchrony as an endophenotype in families with genetic generalized epilepsy: A resting‐state functional magnetic resonance imaging study. Epilepsia, 2019, 60, e14-e19.	5.1	16
30	Computer models to inform epilepsy surgery strategies: prediction of postoperative outcome. Brain, 2017, 140, e30-e30.	7.6	15
31	Focal and Generalized Patterns of Cerebral Cortical Veins Due to Non-Convulsive Status Epilepticus or Prolonged Seizure Episode after Convulsive Status Epilepticus – A MRI Study Using Susceptibility Weighted Imaging. PLoS ONE, 2016, 11, e0160495.	2.5	15
32	Heritability of alpha and sensorimotor network changes in temporal lobe epilepsy. Annals of Clinical and Translational Neurology, 2020, 7, 667-676.	3.7	13
33	Abnormal temporal lobe morphology in asymptomatic relatives of patients with hippocampal sclerosis: A replication study. Epilepsia, 2019, 60, e1-e5.	5.1	12
34	A Thalamic-Fronto-Parietal Structural Covariance Network Emerging in the Course of Recovery from Hand Paresis after Ischemic Stroke. Frontiers in Neurology, 2015, 6, 211.	2.4	11
35	Altered praxis network underlying limb kinetic apraxia in Parkinson's disease - an fMRI study. NeuroImage: Clinical, 2017, 16, 88-97.	2.7	11
36	Focal Epilepsy: MR Imaging of Nonhemodynamic Field Effects by Using a Phase-cycled Stimulus-induced Rotary Saturation Approach with Spin-Lock Preparation. Radiology, 2016, 280, 237-243.	7.3	10

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37	Personalized structural image analysis in patients with temporal lobe epilepsy. Scientific Reports, 2017, 7, 10883.	3.3	10
38	Impaired verbal memory in Parkinson disease: relationship to prefrontal dysfunction and somatosensory discrimination. Behavioral and Brain Functions, 2009, 5, 49.	3.3	7
39	Induction of Fear by Intraoperative Stimulation During Awake Craniotomy: Case Presentation and Systematic Review of the Literature. World Neurosurgery, 2015, 84, 470-474.	1.3	7
40	Baseline Troponin T level in stroke and its association with stress cardiomyopathy. PLoS ONE, 2018, 13, e0209764.	2.5	7
41	Characterization of Enhancing MS Lesions by Dynamic Texture Parameter Analysis of Dynamic Susceptibility Perfusion Imaging. BioMed Research International, 2016, 2016, 1-9.	1.9	6
42	Theta burst stimulation over premotor cortex in Parkinson's disease: an explorative study on manual dexterity. Journal of Neural Transmission, 2016, 123, 1387-1393.	2.8	6
43	Early prediction of long-term tactile object recognition performance after sensorimotor stroke. Cortex, 2019, 115, 264-279.	2.4	6
44	Neural networks engaged in tactile object manipulation: patterns of expression among healthy individuals. Behavioral and Brain Functions, 2010, 6, 71.	3.3	5
45	Decreased grey matter in the postural control network is associated with lateral flexion of the trunk in Parkinson's disease. NeuroImage: Clinical, 2020, 28, 102469.	2.7	3
46	Local thalamic atrophy associates with large-scale functional connectivity alterations of fronto-parietal cortices in genetic generalized epilepsies. Clinical and Translational Neuroscience, 2019, 3, 2514183X1985032.	0.9	2
47	Heterogeneity of resting-state EEG features in juvenile myoclonic epilepsy and controls. Brain Communications, 2022, 4, .	3.3	2