Leonardo Bonilha

List of Publications by Year
in descending order

47	3,076	218381	233125
papers	citations	26	45
		h-index	g-index

50	50	50	3788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Age-specific CT and MRI templates for spatial normalization. NeuroImage, 2012, 61, 957-965.	2.1	569
2	Anatomy of aphasia revisited. Brain, 2018, 141, 848-862.	3.7	235
3	Network analysis for a network disorder: The emerging role of graph theory in the study of epilepsy. Epilepsy and Behavior, 2015, 50, 162-170.	0.9	210
4	Stroke Assessment With Diffusional Kurtosis Imaging. Stroke, 2012, 43, 2968-2973.	1.0	206
5	Multivariate Connectome-Based Symptom Mapping in Post-Stroke Patients: Networks Supporting Language and Speech. Journal of Neuroscience, 2016, 36, 6668-6679.	1.7	142
6	Revealing the dual streams of speech processing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15108-15113.	3.3	127
7	The brain connectome as a personalized biomarker of seizure outcomes after temporal lobectomy. Neurology, 2015, 84, 1846-1853.	1.5	122
8	Temporal lobe networks supporting the comprehension of spoken words. Brain, 2017, 140, 2370-2380.	3.7	98
9	Deep learning applied to whole-brain connectome to determine seizure control after epilepsy surgery. Epilepsia, 2018, 59, 1643-1654.	2.6	93
10	Memory and language impairments and their relationships to hippocampal and perirhinal cortex damage in patients with medial temporal lobe epilepsy. Epilepsy and Behavior, 2006, 8, 593-600.	0.9	92
11	Damage to left anterior temporal cortex predicts impairment of complex syntactic processing: A lesion-symptom mapping study. Human Brain Mapping, 2013, 34, 2715-2723.	1.9	92
12	Connectome-based lesion-symptom mapping (CLSM): A novel approach to map neurological function. NeuroImage: Clinical, 2017, 16, 461-467.	1.4	82
13	Neuroimaging and connectomics of drug-resistant epilepsy at multiple scales: From focal lesions to macroscale networks. Epilepsia, 2019, 60, 593-604.	2.6	82
14	Success of Anomia Treatment in Aphasia Is Associated With Preserved Architecture of Global and Left Temporal Lobe Structural Networks. Neurorehabilitation and Neural Repair, 2016, 30, 266-279.	1.4	78
15	Cortical and structural-connectivity damage correlated with impaired syntactic processing in aphasia. Human Brain Mapping, 2019, 40, 2153-2173.	1.9	67
16	Epilepsy and brain network hubs. Epilepsia, 2022, 63, 537-550.	2.6	66
17	Assessing the Clinical Effect of Residual Cortical Disconnection After Ischemic Strokes. Stroke, 2014, 45, 988-993.	1.0	63
18	Mapping acute lesion locations to physiological swallow impairments after stroke. NeuroImage: Clinical, 2019, 22, 101685.	1.4	54

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19	Neuroanatomical foundations of naming impairments across different neurologic conditions. Neurology, 2015, 85, 284-292.	1.5	49
20	Altered Microstructure in Temporal Lobe Epilepsy: A Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2015, 36, 719-724.	1.2	48
21	Severe Broca's Aphasia without Broca's Area Damage. Behavioural Neurology, 2007, 18, 237-238.	1.1	46
22	Mapping Language Networks Using the Structural and Dynamic Brain Connectomes. ENeuro, 2017, 4, ENEURO.0204-17.2017.	0.9	45
23	Cerebral Perfusion in Chronic Stroke: Implications for Lesion-Symptom Mapping and Functional MRI. Behavioural Neurology, 2011, 24, 117-122.	1.1	41
24	Cortical disconnection of the ipsilesional primary motor cortex is associated with gait speed and upper extremity motor impairment in chronic left hemispheric stroke. Human Brain Mapping, 2018, 39, 120-132.	1.9	35
25	Microstructural integrity of early-versus late-myelinating white matter tracts in medial temporal lobe epilepsy. Epilepsia, 2013, 54, 1801-1809.	2.6	32
26	Detection and Characteristics of Temporal Encephaloceles in Patients with Refractory Epilepsy. American Journal of Neuroradiology, 2018, 39, 1468-1472.	1.2	30
27	The white matter connectome as an individualized biomarker of language impairment in temporal lobe epilepsy. NeuroImage: Clinical, 2020, 25, 102125.	1.4	29
28	Subcortical damage and white matter disconnection associated with non-fluent speech. Brain, 2009, 132, e108-e108.	3.7	28
29	Diffusional Kurtosis Imaging and Motor Outcome in Acute Ischemic Stroke. American Journal of Neuroradiology, 2017, 38, 1328-1334.	1.2	24
30	Differences in swallow physiology in patients with left and right hemispheric strokes. Physiology and Behavior, 2018, 194, 144-152.	1.0	23
31	High-Density EEG in Current Clinical Practice and Opportunities for the Future. Journal of Clinical Neurophysiology, 2021, 38, 112-123.	0.9	20
32	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	3.7	18
33	Factors Influencing Oral Intake Improvement and Feeding Tube Dependency in Patients with Poststroke Dysphagia. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1421-1430.	0.7	17
34	Upper and Lower Limb Motor Function Correlates with Ipsilesional Corticospinal Tract and Red Nucleus Structural Integrity in Chronic Stroke: A Cross-Sectional, ROI-Based MRI Study. Behavioural Neurology, 2021, 2021, 1-10.	1.1	14
35	Neuroanatomical structures supporting lexical diversity, sophistication, and phonological word features during discourse. NeuroImage: Clinical, 2019, 24, 101961.	1.4	11
36	Relationship between neuronal network architecture and naming performance in temporal lobe epilepsy: A connectome based approach using machine learning. Brain and Language, 2019, 193, 45-57.	0.8	11

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37	Isolating the white matter circuitry of the dorsal language stream: <scp>Connectome–Symptom</scp> Mapping in stroke induced aphasia. Human Brain Mapping, 2021, 42, 5689-5702.	1.9	11
38	Event–based modeling in temporal lobe epilepsy demonstrates progressive atrophy from cross–sectional data. Epilepsia, 2022, 63, 2081-2095.	2.6	11
39	Neurobehavioral and Clinical Comorbidities in Epilepsy: The Role of White Matter Network Disruption. Neuroscientist, 2024, 30, 105-131.	2.6	10
40	Hippocampal atrophy in temporal lobe epilepsy: the 'generator' and 'receiver'. Acta Neurologica Scandinavica, 2012, 125, 105-110.	1.0	9
41	Language Recovery after Brain Injury: A Structural Network Control Theory Study. Journal of Neuroscience, 2022, 42, 657-669.	1.7	9
42	Pre-articulatory electrical activity associated with correct naming in individuals with aphasia. Brain and Language, 2018, 177-178, 1-6.	0.8	8
43	Personalized connectome fingerprints: Their importance in cognition from childhood to adult years. NeuroImage, 2020, 221, 117122.	2.1	7
44	Predicting naming responses based on pre-articulatory electrical activity in individuals with aphasia. Clinical Neurophysiology, 2019, 130, 2153-2163.	0.7	6
45	Increased anatomical precision of pre-surgical intracranial mapping by combining white matter tractography with direct cortical stimulation. Clinical Neurophysiology, 2016, 127, 976-979.	0.7	1
46	The role of disrupted structural connectivity in aphasia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 185, 121-127.	1.0	0
47	Functional Connectivity and Speech Entrainment Speech Entrainment Improves Connectivity Between Anterior and Posterior Cortical Speech Areas in Non-fluent Aphasia. Neurorehabilitation and Neural Repair, 2022, 36, 164-174.	1.4	0