Walter Hugo L Pinaya

List of Publications by Year
in descending order

37	1,451	516561 16	552653 26
papers	citations	h-index	g-index

40	40	40	1973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain morphometric features predict medication response in youth with bipolar disorder: a prospective randomized clinical trial. Psychological Medicine, 2023, 53, 4083-4093.	2.7	3
2	Using graph convolutional network to characterize individuals with major depressive disorder across multiple imaging sites. EBioMedicine, 2022, 78, 103977.	2.7	30
3	Graph Convolutional Networks Reveal Network-Level Functional Dysconnectivity in Schizophrenia. Schizophrenia Bulletin, 2022, 48, 881-892.	2.3	18
4	Magnetization transfer imaging alterations and its diagnostic value in antipsychotic-naÃ¯ve first-episode schizophrenia. Translational Psychiatry, 2022, 12, 189.	2.4	1
5	Unsupervised brain imaging 3D anomaly detection and segmentation with transformers. Medical Image Analysis, 2022, 79, 102475.	7.0	59
6	Papez Circuit Gray Matter and Episodic Memory in Amyotrophic Lateral Sclerosis and Behavioural Variant Frontotemporal Dementia. Brain Imaging and Behavior, 2021, 15, 996-1006.	1.1	10
7	Disruption of gray matter morphological networks in patients with paroxysmal kinesigenic dyskinesia. Human Brain Mapping, 2021, 42, 398-411.	1.9	23
8	Inferring the heritability of large-scale functional networks with a multivariate ACE modeling approach. Network Neuroscience, 2021, 5, 527-548.	1.4	0
9	Disrupted brain gray matter networks in drug-naÃ¯ve participants with essential tremor. Neuroradiology, 2021, 63, 1501-1510.	1.1	13
10	Brain age prediction: A comparison between machine learning models using regionâ€•and voxelâ€based morphometric data. Human Brain Mapping, 2021, 42, 2332-2346.	1.9	60
11	Estimating Gender and Age from Brain Structural MRI of Children and Adolescents: A 3D Convolutional Neural Network Multitask Learning Model. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	5
12	Using normative modelling to detect disease progression in mild cognitive impairment and Alzheimerâ€™s disease in a cross-sectional multi-cohort study. Scientific Reports, 2021, 11, 15746.	1.6	37
13	Using deep learning to classify pediatric posttraumatic stress disorder at the individual level. BMC Psychiatry, 2021, 21, 535.	1.1	9
14	Using Machine Learning and Structural Neuroimaging to Detect First Episode Psychosis: Reconsidering the Evidence. Schizophrenia Bulletin, 2020, 46, 17-26.	2.3	76
15	Detecting schizophrenia at the level of the individual: relative diagnostic value of whole-brain images, connectome-wide functional connectivity and graph-based metrics. Psychological Medicine, 2020, 50, 1852-1861.	2.7	57
16	Introduction to machine learning. , 2020, , 1-20.		13
17	Main concepts in machine learning. , 2020, , 21-44.		5
18	Deep neural networks. , 2020, , 157-172.		7

#	Article	IF	Citations
19	Convolutional neural networks. , 2020, , 173-191.		30
20	Autoencoders. , 2020, , 193-208.		49
21	Clustering analysis. , 2020, , 227-247.		21
22	Multimodal integration. , 2020, , 283-305.		3
23	A step-by-step tutorial on how to build a machine learning model. , 2020, , 343-370.		6
24	Integrating machining learning and multimodal neuroimaging to detect schizophrenia at the level of the individual. Human Brain Mapping, 2020, 41, 1119-1135.	1.9	56
25	Brain-Age Prediction Using Shallow Machine Learning: Predictive Analytics Competition 2019. Frontiers in Psychiatry, 2020, 11, 604478.	1.3	7
26	An automated machine learning approach to predict brain age from cortical anatomical measures. Human Brain Mapping, 2020, 41, 3555-3566.	1.9	29
27	Neuroharmony: A new tool for harmonizing volumetric MRI data from unseen scanners. NeuroImage, 2020, 220, 117127.	2.1	48
28	Regional Dynamics of the Resting Brain in Amyotrophic Lateral Sclerosis Using Fractional Amplitude of Low-Frequency Fluctuations and Regional Homogeneity Analyses. Brain Connectivity, 2019, 9, 356-364.	0.8	17
29	Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. Scientific Reports, 2019, 9, 17912.	1.6	13
30	Using deep autoencoders to identify abnormal brain structural patterns in neuropsychiatric disorders: A largeâ€scale multiâ€sample study. Human Brain Mapping, 2019, 40, 944-954.	1.9	83
31	Investigating brain structural patterns in first episode psychosis and schizophrenia using MRI and a machine learning approach. Psychiatry Research - Neuroimaging, 2018, 275, 14-20.	0.9	18
32	Structural and functional papez circuit integrity in amyotrophic lateral sclerosis. Brain Imaging and Behavior, 2018, 12, 1622-1630.	1.1	24
33	Default Mode Network Maturation and Environmental Adversities During Childhood. Chronic Stress, 2018, 2, 247054701880829.	1.7	11
34	Using deep learning to investigate the neuroimaging correlates of psychiatric and neurological disorders: Methods and applications. Neuroscience and Biobehavioral Reviews, 2017, 74, 58-75.	2.9	453
35	Using deep belief network modelling to characterize differences in brain morphometry in schizophrenia. Scientific Reports, 2016, 6, 38897.	1.6	135
36	Comparing Methods for Determining Motor-Hand Lateralization Based on fTCD Signals. Journal of Medical Systems, 2015, 39, 4.	2.2	2

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37	Towards an EEG-based biomarker for Alzheimer's disease: Improving amplitude modulation analysis features. , 2013, , .		15