

Walter Hugo L Pinaya

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,451
citations

516561

16
h-index

552653

26
g-index

40
all docs

40
docs citations

40
times ranked

1973
citing authors

#	ARTICLE	IF	CITATIONS
1	Using deep learning to investigate the neuroimaging correlates of psychiatric and neurological disorders: Methods and applications. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 58-75.	2.9	453
2	Using deep belief network modelling to characterize differences in brain morphometry in schizophrenia. <i>Scientific Reports</i> , 2016, 6, 38897.	1.6	135
3	Using deep autoencoders to identify abnormal brain structural patterns in neuropsychiatric disorders: A large-scale multi-sample study. <i>Human Brain Mapping</i> , 2019, 40, 944-954.	1.9	83
4	Using Machine Learning and Structural Neuroimaging to Detect First Episode Psychosis: Reconsidering the Evidence. <i>Schizophrenia Bulletin</i> , 2020, 46, 17-26.	2.3	76
5	Brain age prediction: A comparison between machine learning models using region- and voxel-based morphometric data. <i>Human Brain Mapping</i> , 2021, 42, 2332-2346.	1.9	60
6	Unsupervised brain imaging 3D anomaly detection and segmentation with transformers. <i>Medical Image Analysis</i> , 2022, 79, 102475.	7.0	59
7	Detecting schizophrenia at the level of the individual: relative diagnostic value of whole-brain images, connectome-wide functional connectivity and graph-based metrics. <i>Psychological Medicine</i> , 2020, 50, 1852-1861.	2.7	57
8	Integrating machine learning and multimodal neuroimaging to detect schizophrenia at the level of the individual. <i>Human Brain Mapping</i> , 2020, 41, 1119-1135.	1.9	56
9	Autoencoders. , 2020, , 193-208.		49
10	Neuroharmony: A new tool for harmonizing volumetric MRI data from unseen scanners. <i>NeuroImage</i> , 2020, 220, 117127.	2.1	48
11	Using normative modelling to detect disease progression in mild cognitive impairment and Alzheimer's disease in a cross-sectional multi-cohort study. <i>Scientific Reports</i> , 2021, 11, 15746.	1.6	37
12	Convolutional neural networks. , 2020, , 173-191.		30
13	Using graph convolutional network to characterize individuals with major depressive disorder across multiple imaging sites. <i>EBioMedicine</i> , 2022, 78, 103977.	2.7	30
14	An automated machine learning approach to predict brain age from cortical anatomical measures. <i>Human Brain Mapping</i> , 2020, 41, 3555-3566.	1.9	29
15	Structural and functional papez circuit integrity in amyotrophic lateral sclerosis. <i>Brain Imaging and Behavior</i> , 2018, 12, 1622-1630.	1.1	24
16	Disruption of gray matter morphological networks in patients with paroxysmal kinesigenic dyskinesia. <i>Human Brain Mapping</i> , 2021, 42, 398-411.	1.9	23
17	Clustering analysis. , 2020, , 227-247.		21
18	Investigating brain structural patterns in first episode psychosis and schizophrenia using MRI and a machine learning approach. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 14-20.	0.9	18

#	ARTICLE	IF	CITATIONS
19	Graph Convolutional Networks Reveal Network-Level Functional Dysconnectivity in Schizophrenia. Schizophrenia Bulletin, 2022, 48, 881-892.	2.3	18
20	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
21	Towards an EEG-based biomarker for Alzheimer's disease: Improving amplitude modulation analysis features. , 2013, , .		15
22	Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. Scientific Reports, 2019, 9, 17912.	1.6	13
23	Introduction to machine learning. , 2020, , 1-20.		13
24	Disrupted brain gray matter networks in drug-naïve participants with essential tremor. Neuroradiology, 2021, 63, 1501-1510.	1.1	13
25	Default Mode Network Maturation and Environmental Adversities During Childhood. Chronic Stress, 2018, 2, 247054701880829.	1.7	11
26	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
27	Using deep learning to classify pediatric posttraumatic stress disorder at the individual level. BMC Psychiatry, 2021, 21, 535.	1.1	9
28	Deep neural networks. , 2020, , 157-172.		7
29	Brain-Age Prediction Using Shallow Machine Learning: Predictive Analytics Competition 2019. Frontiers in Psychiatry, 2020, 11, 604478.	1.3	7
30	A step-by-step tutorial on how to build a machine learning model. , 2020, , 343-370.		6
31	Main concepts in machine learning. , 2020, , 21-44.		5
32	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
33	Multimodal integration. , 2020, , 283-305.		3
34	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
35	Comparing Methods for Determining Motor-Hand Lateralization Based on fTCD Signals. Journal of Medical Systems, 2015, 39, 4.	2.2	2
36	Magnetization transfer imaging alterations and its diagnostic value in antipsychotic-naïve first-episode schizophrenia. Translational Psychiatry, 2022, 12, 189.	2.4	1

#	ARTICLE	IF	CITATIONS
37	Inferring the heritability of large-scale functional networks with a multivariate ACE modeling approach. <i>Network Neuroscience</i> , 2021, 5, 527-548.	1.4	0