Alyssa H Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7220885/publications.pdf

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42	2,777	361413	454955
papers	citations	20 h-index	30 g-index

45	45	45	5264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Testing a convolutional neural networkâ€based hippocampal segmentation method in a stroke population. Human Brain Mapping, 2022, 43, 234-243.	3.6	13
2	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	14.8	75
3	Comparison of regional brain deficit patterns in common psychiatric and neurological disorders as revealed by big data. NeuroImage: Clinical, 2021, 29, 102574.	2.7	9
4	Age-Related Heterochronicity Of Brain Morphometry May Bias Voxelwise Findings. , 2021, , .		1
5	Region Specific Automatic Quality Assurance For MRI-Derived Cortical Segmentations. , 2021, 2021, 1288-1291.		1
6	Age and sex effects on advanced white matter microstructure measures in 15,628 older adults: A UK biobank study. Brain Imaging and Behavior, 2021, 15, 2813-2823.	2.1	29
7	Cortical microstructural associations with CSF amyloid and tau. Alzheimer's and Dementia, 2021, 17, .	0.8	1
8	Advanced diffusionâ€weighted MRI methods demonstrate improved sensitivity to white matter aging: Percentile charts for over 15,000 UK Biobank participants. Alzheimer's and Dementia, 2021, 17, .	0.8	1
9	Sexâ€dependent age trajectories of subcortical brain volume: A UK Biobank study (N=39,544). Alzheimer's and Dementia, 2021, 17, .	0.8	0
10	Effect of APOE4 and APOE2 genotype on white matter microstructure. Alzheimer's and Dementia, 2021, 17, .	0.8	1
11	The relationship between APOE genotype and subcortical volume: A UK Biobank study (N=36,920). Alzheimer's and Dementia, 2021, 17, .	0.8	2
12	Subcortical brain trajectories in later life between sexes and APOE genotypes: A UK Biobank study of individuals of selfâ€identified Indian ancestry. Alzheimer's and Dementia, 2021, 17, .	0.8	0
13	Age effects on white matter microstructure in individuals of selfâ€identified Indian ancestry from the UK Biobank. Alzheimer's and Dementia, 2021, 17, .	0.8	0
14	White matter disturbances in major depressive disorder: a coordinated analysis across 20 international cohorts in the ENIGMA MDD working group. Molecular Psychiatry, 2020, 25, 1511-1525.	7.9	218
15	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	12.8	61
16	Imaging correlates of visual function in multiple sclerosis. PLoS ONE, 2020, 15, e0235615.	2.5	5
17	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
18	Automated hippocampal segmentation improved by convolutional neural network approach in participants with a history of cerebrovascular accident. Alzheimer's and Dementia, 2020, 16, e041634.	0.8	0

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19	Complex morphometric effects of sex and aging on subcortical brain structures (N = 9,872). Alzheimer's and Dementia, 2020, 16, e045722.	0.8	0
20	Sex differences in subcortical aging: A nomogram study of age, sex, and apoe (N = 9,414). Alzheimer's and Dementia, 2020, 16, e045774.	0.8	1
21	Comparison of deep learning methods for brain age prediction. Alzheimer's and Dementia, 2020, 16, e046763.	0.8	1
22	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
23	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
24	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
25	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
26	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
27	Altered Cortical Brain Structure and Increased Risk for Disease Seen Decades After Perinatal Exposure to Maternal Smoking: A Study of 9000 Adults in the UK Biobank. Cerebral Cortex, 2019, 29, 5217-5233.	2.9	11
28	Silent progression in disease activityâ€“free relapsing multiple sclerosis. Annals of Neurology, 2019, 85, 653-666.	5.3	265
29	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
30	White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation. Journal of Neuroscience, 2017, 37, 11675-11687.	3.6	42
31	Clemastine fumarate as a remyelinating therapy for multiple sclerosis (ReBUILD): a randomised, controlled, double-blind, crossover trial. Lancet, The, 2017, 390, 2481-2489.	13.7	377
32	Volumetric Analysis from a Harmonized Multisite Brain MRI Study of a Single Subject with Multiple Sclerosis. American Journal of Neuroradiology, 2017, 38, 1501-1509.	2.4	95
33	Gray matter segmentation of the spinal cord with active contours in MR images. NeuroImage, 2017, 147, 788-799.	4.2	32
34	Neurite Orientation Dispersion and Density Imaging Color Maps to Characterize Brain Diffusion in Neurologic Disorders. Journal of Neuroimaging, 2016, 26, 494-498.	2.0	53
35	Longâ€term evolution of multiple sclerosis disability in the treatment era. Annals of Neurology, 2016, 80, 499-510.	5.3	331
36	Association of HLA Genetic Risk Burden With Disease Phenotypes in Multiple Sclerosis. JAMA Neurology, 2016, 73, 795.	9.0	64

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37	Power estimation for non-standardized multisite studies. NeuroImage, 2016, 134, 281-294.	4.2	36
38	2D phaseâ€sensitive inversion recovery imaging to measure in vivo spinal cord gray and white matter areas in clinically feasible acquisition times. Journal of Magnetic Resonance Imaging, 2015, 42, 698-708.	3.4	29
39	Association Between Thoracic Spinal Cord Gray Matter Atrophy and Disability in Multiple Sclerosis. JAMA Neurology, 2015, 72, 897.	9.0	78
40	Age, Gender and Normalization Covariates for Spinal Cord Gray Matter and Total Cross-Sectional Areas at Cervical and Thoracic Levels: A 2D Phase Sensitive Inversion Recovery Imaging Study. PLoS ONE, 2015, 10, e0118576.	2.5	54
41	Spinal cord gray matter atrophy correlates with multiple sclerosis disability. Annals of Neurology, 2014, 76, 568-580.	5.3	158
42	Precision medicine in chronic disease management: The multiple sclerosis <scp>B</scp>io<scp>S</scp>creen. Annals of Neurology, 2014, 76, 633-642.	5.3	53