

Alyssa H Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,777
citations

361413

20
h-index

454955

30
g-index

45
all docs

45
docs citations

45
times ranked

5264
citing authors

#	ARTICLE	IF	CITATIONS
1	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
2	Clemastine fumarate as a remyelinating therapy for multiple sclerosis (ReBUILD): a randomised, controlled, double-blind, crossover trial. <i>Lancet</i> , The, 2017, 390, 2481-2489.	13.7	377
3	Long-term evolution of multiple sclerosis disability in the treatment era. <i>Annals of Neurology</i> , 2016, 80, 499-510.	5.3	331
4	Silent progression in disease activity-free relapsing multiple sclerosis. <i>Annals of Neurology</i> , 2019, 85, 653-666.	5.3	265
5	White matter disturbances in major depressive disorder: a coordinated analysis across 20 international cohorts in the ENIGMA MDD working group. <i>Molecular Psychiatry</i> , 2020, 25, 1511-1525.	7.9	218
6	Spinal cord gray matter atrophy correlates with multiple sclerosis disability. <i>Annals of Neurology</i> , 2014, 76, 568-580.	5.3	158
7	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020, 143, 2454-2473.	7.6	123
8	Spinal cord grey matter segmentation challenge. <i>NeuroImage</i> , 2017, 152, 312-329.	4.2	97
9	Volumetric Analysis from a Harmonized Multisite Brain MRI Study of a Single Subject with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2017, 38, 1501-1509.	2.4	95
10	Association Between Thoracic Spinal Cord Gray Matter Atrophy and Disability in Multiple Sclerosis. <i>JAMA Neurology</i> , 2015, 72, 897.	9.0	78
11	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
12	Association of HLA Genetic Risk Burden With Disease Phenotypes in Multiple Sclerosis. <i>JAMA Neurology</i> , 2016, 73, 795.	9.0	64
13	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
14	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. <i>PLoS ONE</i> , 2015, 10, e0118576.	2.5	54
15	Precision medicine in chronic disease management: The multiple sclerosis screen. <i>Annals of Neurology</i> , 2014, 76, 633-642.	5.3	53
16	Neurite Orientation Dispersion and Density Imaging Color Maps to Characterize Brain Diffusion in Neurologic Disorders. <i>Journal of Neuroimaging</i> , 2016, 26, 494-498.	2.0	53
17	White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation. <i>Journal of Neuroscience</i> , 2017, 37, 11675-11687.	3.6	42
18	Power estimation for non-standardized multisite studies. <i>NeuroImage</i> , 2016, 134, 281-294.	4.2	36

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19	Gray matter segmentation of the spinal cord with active contours in MR images. <i>NeuroImage</i> , 2017, 147, 788-799.	4.2	32
20	2D phase-sensitive inversion recovery imaging to measure in vivo spinal cord gray and white matter areas in clinically feasible acquisition times. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 698-708.	3.4	29
21	Age and sex effects on advanced white matter microstructure measures in 15,628 older adults: A UK biobank study. <i>Brain Imaging and Behavior</i> , 2021, 15, 2813-2823.	2.1	29
22	Testing a convolutional neural network-based hippocampal segmentation method in a stroke population. <i>Human Brain Mapping</i> , 2022, 43, 234-243.	3.6	13
23	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. <i>Cerebral Cortex</i> , 2019, 29, 5217-5233.	2.9	11
24	Comparison of regional brain deficit patterns in common psychiatric and neurological disorders as revealed by big data. <i>NeuroImage: Clinical</i> , 2021, 29, 102574.	2.7	9
25	Imaging correlates of visual function in multiple sclerosis. <i>PLoS ONE</i> , 2020, 15, e0235615.	2.5	5
26	The relationship between APOE genotype and subcortical volume: A UK Biobank study (N=36,920). <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	2
27	Sex differences in subcortical aging: A nomogram study of age, sex, and apoe (N = 9,414). <i>Alzheimer's and Dementia</i> , 2020, 16, e045774.	0.8	1
28	Comparison of deep learning methods for brain age prediction. <i>Alzheimer's and Dementia</i> , 2020, 16, e046763.	0.8	1
29	Age-Related Heterochronicity Of Brain Morphometry May Bias Voxelwise Findings. , 2021, , .		1
30	Region Specific Automatic Quality Assurance For MRI-Derived Cortical Segmentations. , 2021, 2021, 1288-1291.		1
31	Cortical microstructural associations with CSF amyloid and tau. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	1
32	Advanced diffusion-weighted MRI methods demonstrate improved sensitivity to white matter aging: Percentile charts for over 15,000 UK Biobank participants. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	1
33	Effect of APOE4 and APOE2 genotype on white matter microstructure. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	1
34	Automated hippocampal segmentation improved by convolutional neural network approach in participants with a history of cerebrovascular accident. <i>Alzheimer's and Dementia</i> , 2020, 16, e041634.	0.8	0
35	Complex morphometric effects of sex and aging on subcortical brain structures (N = 9,872). <i>Alzheimer's and Dementia</i> , 2020, 16, e045722.	0.8	0
36	Sex-dependent age trajectories of subcortical brain volume: A UK Biobank study (N=39,544). <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Subcortical brain trajectories in later life between sexes and APOE genotypes: A UK Biobank study of individuals of self-identified Indian ancestry. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
38	Age effects on white matter microstructure in individuals of self-identified Indian ancestry from the UK Biobank. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
39	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
40	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
41	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
42	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0