Yu Zhang

List of Publications by Year
in descending order

38 papers	2,388 citations	257357 24 h-index	414303 32 g-index
59 all docs	59 docs citations	59 times ranked	4211 citing authors

#	Article	IF	Citations
1	Diffusion tensor imaging of cingulum fibers in mild cognitive impairment and Alzheimer disease. Neurology, 2007, 68, 13-19.	1.5	519
2	White matter damage in frontotemporal dementia and Alzheimer's disease measured by diffusion MRI. Brain, 2009, 132, 2579-2592.	3.7	318
3	Regional alterations of brain microstructure in Parkinson's disease using diffusion tensor imaging. Movement Disorders, 2012, 27, 90-97.	2.2	168
4	Patterns of altered cortical perfusion and diminished subcortical integrity in posttraumatic stress disorder: An MRI study. NeuroImage, 2011, 54, S62-S68.	2.1	137
5	Multiple modality biomarker prediction of cognitive impairment in prospectively followed de novo Parkinson disease. PLoS ONE, 2017, 12, e0175674.	1.1	110
6	Diffusion tensor imaging of the nigrostriatal fibers in Parkinson's disease. Movement Disorders, 2015, 30, 1229-1236.	2.2	97
7	Associations between White Matter Hyperintensities and Î² Amyloid on Integrity of Projection, Association, and Limbic Fiber Tracts Measured with Diffusion Tensor MRI. PLoS ONE, 2013, 8, e65175.	1.1	77
8	Progression of Regional Microstructural Degeneration in Parkinsonâ€™s Disease: A Multicenter Diffusion Tensor Imaging Study. PLoS ONE, 2016, 11, e0165540.	1.1	73
9	Patterns of age-related water diffusion changes in human brain by concordance and discordance analysis. Neurobiology of Aging, 2010, 31, 1991-2001.	1.5	70
10	Neuroanatomical correlates of apathy in ALS using 4 Tesla diffusion tensor MRI. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2011, 12, 52-58.	2.3	68
11	MRI Signatures of Brain Macrostructural Atrophy and Microstructural Degradation in Frontotemporal Lobar Degeneration Subtypes. Journal of Alzheimer's Disease, 2012, 33, 431-444.	1.2	66
12	MRI Markers for Mild Cognitive Impairment: Comparisons between White Matter Integrity and Gray Matter Volume Measurements. PLoS ONE, 2013, 8, e66367.	1.1	64
13	Joint Assessment of Structural, Perfusion, and Diffusion MRI in Alzheimer's Disease and Frontotemporal Dementia. International Journal of Alzheimer's Disease, 2011, 2011, 1-11.	1.1	58
14	Progression of white matter degeneration in amyotrophic lateral sclerosis: A diffusion tensor imaging study. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2011, 12, 421-429.	2.3	52
15	Diffusion imaging of nigral alterations in early Parkinson's disease with dopaminergic deficits. Movement Disorders, 2015, 30, 1885-1892.	2.2	52
16	White matter integrity and cortical metabolic associations in aging and dementia. , 2010, 6, 54-62.		49
17	Diffusion Tensor Imaging in Parkinson's Disease and Parkinsonian Syndrome: A Systematic Review. Frontiers in Neurology, 2020, 11, 531993.	1.1	43
18	Executive dysfunction in frontotemporal dementia is related to abnormalities in frontal white matter tracts. Journal of Neurology, 2012, 259, 1071-1080.	1.8	42

#	Article	IF	Citations
19	Progression of Microstructural Degeneration in Progressive Supranuclear Palsy and Corticobasal Syndrome: A Longitudinal Diffusion Tensor Imaging Study. PLoS ONE, 2016, 11, e0157218.	1.1	40
20	Multimodal Voxel-Based Meta-Analysis of White Matter Abnormalities in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 47, 495-507.	1.2	31
21	Effects of low-level sarin and cyclosarin exposure on white matter integrity in Gulf War Veterans. NeuroToxicology, 2015, 48, 239-248.	1.4	31
22	Concordance and Discordance Between Brain Perfusion and Atrophy in Frontotemporal Dementia. Brain Imaging and Behavior, 2010, 4, 46-54.	1.1	30
23	In-vivo investigation of the human cingulum bundle using the optimization of MR diffusion spectrum imaging. European Journal of Radiology, 2010, 75, e29-e36.	1.2	30
24	Diffusion tensor tractography of brainstem fibers and its application in pain. PLoS ONE, 2020, 15, e0213952.	1.1	27
25	Characterization of white matter degeneration in elderly subjects by magnetic resonance diffusion and FLAIR imaging correlation. NeuroImage, 2009, 47, T58-T65.	2.1	26
26	Linking white matter integrity loss to associated cortical regions using structural connectivity information in Alzheimer's disease and fronto-temporal dementia: The Loss in Connectivity (LoCo) score. NeuroImage, 2012, 61, 1311-1323.	2.1	26
27	Brainstem atrophy in Gulf War Illness. NeuroToxicology, 2020, 78, 71-79.	1.4	23
28	Effects of low-level sarin and cyclosarin exposure on hippocampal microstructure in Gulf War Veterans. Neurotoxicology and Teratology, 2018, 68, 36-46.	1.2	18
29	White Matter Asymmetry: A Reflection of Pathology in Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 373-381.	1.7	11
30	Cortical thickness abnormalities in patients with post-traumatic stress disorder: A vertex-based meta-analysis. Neuroscience and Biobehavioral Reviews, 2022, 134, 104519.	2.9	11
31	Brainstem damage is associated with poorer sleep quality and increased pain in gulf war illness veterans. Life Sciences, 2021, 280, 119724.	2.0	9
32	Linking diffusion tensor imaging, microstructures and Parkinson's disease. , 2020, , 295-311.		3
33	White matter changes in drug-naÃ¯ve Parkinson's disease patients with impulse control & probable REM sleep behavior disorders. Journal of the Neurological Sciences, 2021, 430, 120032.	0.3	3
34	Brainstem Diffusion Tensor Tractography and Clinical Applications in Pain. Frontiers in Pain Research, 2022, 3, 840328.	0.9	3
35	Distant histories of mild traumatic brain injury exacerbate age-related differences in white matter properties. Neurobiology of Aging, 2021, 107, 30-41.	1.5	2
36	P1-269: LONGITUDINAL WHITE MATTER MICROSTRUCTURAL CHANGES IN FRONTOTEMPORAL LOBAR DEGENERATION SUBTYPES. , 2014, 10, P407-P408.		0

#	Article	IF	Citations
37	IC-P-080: LONGITUDINAL WHITE MATTER MICROSTRUCTURAL CHANGES IN FRONTOTEMPORAL LOBAR DEGENERATION SUBTYPES. , 2014, 10, P44-P45.		0
38	IC-P-225: VARIATION IN REGIONAL RESTING-STATE BOLD COMPLEXITY WITH BRAIN AMYLOID IN MILD COGNITIVE IMPAIRMENT. , 2014, 10, P121-P121.		0