Mahsa Dadar

List of Publications by Year in descending order

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66 papers	2,288 citations	279487 23 h-index	288905 40 g-index
105 all docs	105 docs citations	105 times ranked	3169 citing authors

#	Article	IF	Citations
1	Network structure of brain atrophy in de novo Parkinson's disease. ELife, 2015, 4, .	2.8	187
2	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	5.4	165
3	Structural neuroimaging as clinical predictor: A review of machine learning applications. NeuroImage: Clinical, 2018, 20, 506-522.	1.4	131
4	A comparison of publicly available linear MRI stereotaxic registration techniques. NeuroImage, 2018, 174, 191-200.	2.1	120
5	Neuroanatomical differences in obesity: meta-analytic findings and their validation in an independent dataset. International Journal of Obesity, 2019, 43, 943-951.	1.6	116
6	Neurobehavioral correlates of obesity are largely heritable. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9312-9317.	3.3	105
7	Structural Brain Alterations Associated with Rapid Eye Movement Sleep Behavior Disorder in Parkinsonâ€™s Disease. Scientific Reports, 2016, 6, 26782.	1.6	101
8	Validation of a Regression Technique for Segmentation of White Matter Hyperintensities in Alzheimerâ€™s Disease. IEEE Transactions on Medical Imaging, 2017, 36, 1758-1768.	5.4	85
9	Performance comparison of 10 different classification techniques in segmenting white matter hyperintensities in aging. NeuroImage, 2017, 157, 233-249.	2.1	79
10	A clinical-anatomical signature of Parkinson's disease identified with partial least squares and magnetic resonance imaging. NeuroImage, 2019, 190, 69-78.	2.1	66
11	Validation of ‹scp›T‹/scp›1wâ€based segmentations of white matter hyperintensity volumes in largeâ€scale datasets of aging. Human Brain Mapping, 2018, 39, 1093-1107.	1.9	65
12	Association Between Midlife Obesity and Its Metabolic Consequences, Cerebrovascular Disease, and Cognitive Decline. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e4260-e4274.	1.8	63
13	Sex effects on brain structure in de novo Parkinsonâ€™s disease: a multimodal neuroimaging study. Brain, 2020, 143, 3052-3066.	3.7	54
14	White matter hyperintensities are linked to future cognitive decline in de novo Parkinson's disease patients. NeuroImage: Clinical, 2018, 20, 892-900.	1.4	53
15	White matter in different regions evolves differently during progression to dementia. Neurobiology of Aging, 2019, 76, 71-79.	1.5	49
16	Deformation based morphometry study of longitudinal MRI changes in behavioral variant frontotemporal dementia. NeuroImage: Clinical, 2019, 24, 102079.	1.4	44
17	CerebrA, registration and manual label correction of Mindboggle-101 atlas for MNI-ICBM152 template. Scientific Data, 2020, 7, 237.	2.4	43
18	Subjective Cognitive Decline Is Associated With Altered Default Mode Network Connectivity in Individuals With a Family History of Alzheimerâ€™s Disease. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 463-472.	1.1	41

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19	HIV infection and cerebral small vessel disease are independently associated with brain atrophy and cognitive impairment. Aids, 2019, 33, 1197-1205.	1.0	41
20	The relationship between brain atrophy and cognitive-behavioural symptoms in retired Canadian football players with multiple concussions. NeuroImage: Clinical, 2018, 19, 551-558.	1.4	37
21	Cognitive and motor correlates of grey and white matter pathology in Parkinsonâ€™s disease. NeuroImage: Clinical, 2020, 27, 102353.	1.4	36
22	Comparison of Multiple Sclerosis Cortical Lesion Types Detected by Multicontrast 3T and 7T MRI. American Journal of Neuroradiology, 2019, 40, 1162-1169.	1.2	34
23	White Matter Hyperintensities Mediate Impact of Dysautonomia on Cognition in Parkinson's Disease. Movement Disorders Clinical Practice, 2020, 7, 639-647.	0.8	32
24	Amyloid and Tau Pathology Associations With Personality Traits, Neuropsychiatric Symptoms, and Cognitive Lifestyle in the Preclinical Phases of Sporadic and Autosomal Dominant Alzheimerâ€™s Disease. Biological Psychiatry, 2021, 89, 776-785.	0.7	30
25	Network structure and transcriptomic vulnerability shape atrophy in frontotemporal dementia. Brain, 2023, 146, 321-336.	3.7	30
26	White matter hyperintensities and neuropsychiatric symptoms in mild cognitive impairment and Alzheimerâ€™s disease. NeuroImage: Clinical, 2020, 28, 102367.	1.4	28
27	Assessment of a prognostic MRI biomarker in early de novo Parkinson's disease. NeuroImage: Clinical, 2019, 24, 101986.	1.4	26
28	The temporal relationships between white matter hyperintensities, neurodegeneration, amyloid beta, and cognition. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12091.	1.2	26
29	Beware of white matter hyperintensities causing systematic errors in <scp>FreeSurfer</scp> gray matter segmentations!. Human Brain Mapping, 2021, 42, 2734-2745.	1.9	26
30	Cerebral atrophy in amyotrophic lateral sclerosis parallels the pathological distribution of TDP43. Brain Communications, 2020, 2, fcaa061.	1.5	22
31	The Longitudinal Assessment of Neuropsychiatric Symptoms in Mild Cognitive Impairment and Alzheimerâ€™s Disease and Their Association With White Matter Hyperintensities in the National Alzheimerâ€™s Coordinating Centerâ€™s Uniform Data Set. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 70-78.	1.1	22
32	White matter hyperintensities are associated with grey matter atrophy and cognitive decline in Alzheimer's disease and frontotemporal dementia. Neurobiology of Aging, 2022, 111, 54-63.	1.5	22
33	Neuroanatomical changes in white and grey matter after sleeve gastrectomy. NeuroImage, 2020, 213, 116696.	2.1	19
34	Reliability assessment of tissue classification algorithms for multi-center and multi-scanner data. NeuroImage, 2020, 217, 116928.	2.1	16
35	Spontaneous neural activity changes after bariatric surgery: A resting-state fMRI study. NeuroImage, 2021, 241, 118419.	2.1	16
36	Regional brain atrophy and cognitive decline depend on definition of subjective cognitive decline. NeuroImage: Clinical, 2022, 33, 102923.	1.4	16

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37	BISON: Brain tissue segmentation pipeline using T₁â€weighted magnetic resonance images and a random forest classifier. Magnetic Resonance in Medicine, 2021, 85, 1881-1894.	1.9	15
38	Impact of weight loss on brain age: Improved brain health following bariatric surgery. NeuroImage, 2022, 259, 119415.	2.1	13
39	White matter lesions may be an early marker for age-related cognitive decline. NeuroImage: Clinical, 2022, 35, 103096.	1.4	13
40	Conversion of diffusely abnormal white matter to focal lesions is linked to progression in secondary progressive multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 208-219.	1.4	12
41	White matter hyperintensities mediate the impact of amyloid ÃŸ on future freezing of gait in Parkinson's disease. Parkinsonism and Related Disorders, 2021, 85, 95-101.	1.1	12
42	Relationship between impulsivity, uncontrolled eating and body mass index: a hierarchical model. International Journal of Obesity, 2022, 46, 129-136.	1.6	12
43	Automated separation of diffusely abnormal white matter from focal white matter lesions on MRI in multiple sclerosis. NeuroImage, 2020, 213, 116690.	2.1	11
44	MRI data-driven algorithm for the diagnosis of behavioural variant frontotemporal dementia. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 608-616.	0.9	10
45	A ketogenic intervention improves dorsal attention network functional and structural connectivity in mild cognitive impairment. Neurobiology of Aging, 2022, 115, 77-87.	1.5	10
46	Ventricular features as reliable differentiators between bvFTD and other dementias. NeuroImage: Clinical, 2022, 33, 102947.	1.4	9
47	A novel ex vivo, in situ method to study the human brain through MRI and histology. Journal of Neuroscience Methods, 2020, 345, 108903.	1.3	7
48	Association between Visceral Adiposity Index, Binge Eating Behavior, and Grey Matter Density in Caudal Anterior Cingulate Cortex in Severe Obesity. Brain Sciences, 2021, 11, 1158.	1.1	7
49	Birth Cohorts and Cognitive Reserve Influence Cognitive Performances in Older Adults. Journal of Alzheimer's Disease, 2021, , 1-18.	1.2	7
50	DARQ: Deep learning of quality control for stereotaxic registration of human brain MRI to the T1w MNI-ICBM 152 template. NeuroImage, 2022, 257, 119266.	2.1	7
51	MNI-FTD templates, unbiased average templates of frontotemporal dementia variants. Scientific Data, 2021, 8, 222.	2.4	5
52	Diffusely abnormal white matter converts to T2 lesion volume in the absence of MRI-detectable acute inflammation. Brain, 2022, 145, 2008-2017.	3.7	5
53	Multi sequence average templates for aging and neurodegenerative disease populations. Scientific Data, 2022, 9, .	2.4	5
54	Alterations in Brain Network Organization in Adults With Obesity as Compared With Healthy-Weight Individuals and Seniors. Psychosomatic Medicine, 2021, 83, 700-706.	1.3	4

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55	IC-P-154: Association between apolipoprotein a-i levels and white matter hyperintensities depends on CSF tau levels in a high-risk cohort of aging cognitively normal persons: The prevent-alzheimer's disease study. , 2015, 11, P103-P103.		2
56	Automatic Prediction of Cognitive and Functional Decline Can Significantly Decrease the Number of Subjects Required for Clinical Trials in Early Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 84, 1-8.	1.2	2
57	IC-P-138: Spatial distribution of white matter hyperintensities in elderly individuals. , 2015, 11, P93-P94.		1
58	Subtyping mild cognitive impairment based on imaging and CSF biomarker levels. Alzheimer's and Dementia, 2021, 17, .	0.4	1
59	P3-133: Association between apolipoprotein a-i levels and white matter hyperintensities depends on CSF tau levels in a high-risk cohort of aging cognitively normal persons: The prevent-alzheimer's disease study. , 2015, 11, P674-P675.		0
60	P1-147: Spatial distribution of white matter hyperintensities in elderly individuals. , 2015, 11, P399-P400.		0
61	P1-146: Accurate automatic segmentation of white matter hyperintensities using a linear regression classifier. , 2015, 11, P398-P399.		0
62	IC-P-139: Accurate automatic segmentation of white matter hyperintensities using a linear regression classifier. , 2015, 11, P94-P95.		0
63	Reply To: Cerebral Vasomotor Reactivity in Parkinson's Disease: A Missing Link between Dysautonomia, White Matter Lesions, and Cognitive Decline?. Movement Disorders Clinical Practice, 2020, 7, 996-998.	0.8	0
64	Reliability assessment of tissue classification algorithms for multiâ€center and multiâ€scanner data. Alzheimer's and Dementia, 2020, 16, e041150.	0.4	0
65	White matter hyperintensities, gray matter atrophy and cognitive deficits in Parkinsonâ€™s disease. Alzheimer's and Dementia, 2020, 16, e041161.	0.4	0
66	Gray and white matter damage are associated with motor symptoms in Parkinsonâ€™s disease. Alzheimer's and Dementia, 2020, 16, e041174.	0.4	0