

Joel Ramirez

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,895
citations

236612

25
h-index

197535

49
g-index

95
all docs

95
docs citations

95
times ranked

4283
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of the Ontario Neurodegenerative Disease Research Initiative cohort. <i>Alzheimer's and Dementia</i> , 2023, 19, 226-243.	0.4	15
2	Neuropsychiatric symptoms as a sign of small vessel disease progression in cognitive impairment. <i>Cerebral Circulation - Cognition and Behavior</i> , 2022, 3, 100041.	0.4	2
3	Deep Bayesian networks for uncertainty estimation and adversarial resistance of white matter hyperintensity segmentation. <i>Human Brain Mapping</i> , 2022, 43, 2089-2108.	1.9	17
4	Investigating the contribution of white matter hyperintensities and cortical thickness to empathy in neurodegenerative and cerebrovascular diseases. <i>GeroScience</i> , 2022, 44, 1575-1598.	2.1	4
5	Small and Large Magnetic Resonance Imagingâ€“Visible Perivascular Spaces in the Basal Ganglia of Parkinson's Disease Patients. <i>Movement Disorders</i> , 2022, 37, 1304-1309.	2.2	11
6	Effects of white matter hyperintensities, neuropsychiatric symptoms, and cognition on activities of daily living: Differences between Alzheimer's disease and dementia with Lewy bodies. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2022, 14, e12306.	1.2	2
7	Caregiving concerns and clinical characteristics across neurodegenerative and cerebrovascular disorders in the Ontario neurodegenerative disease research initiative. <i>International Journal of Geriatric Psychiatry</i> , 2022, 37, .	1.3	3
8	In vivo myelin imaging and tissue microstructure in white matter hyperintensities and perilesional white matter. <i>Brain Communications</i> , 2022, 4, .	1.5	8
9	Associations between brain amyloid accumulation and the use of angiotensin-converting enzyme inhibitors versus angiotensin receptor blockers. <i>Neurobiology of Aging</i> , 2021, 100, 22-31.	1.5	22
10	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. <i>Translational Stroke Research</i> , 2021, 12, 15-30.	2.3	18
11	Improved Segmentation of the Intracranial and Ventricular Volumes in Populations with Cerebrovascular Lesions and Atrophy Using 3D CNNs. <i>Neuroinformatics</i> , 2021, 19, 597-618.	1.5	14
12	The use of angiotensin-converting enzyme inhibitors vs. angiotensin receptor blockers and cognitive decline in Alzheimerâ€™s disease: the importance of blood-brain barrier penetration and APOE Î¼4 carrier status. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 43.	3.0	29
13	Abstract P359: Secondary Thalamic Atrophy Related to Brain Infarction is Associated With Post-Stroke Cognitive Impairment. <i>Stroke</i> , 2021, 52, .	1.0	0
14	White matter hyperintensities in autopsy-confirmed frontotemporal lobar degeneration and Alzheimerâ€™s disease. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 129.	3.0	25
15	MRI-visible perivascular space volumes, sleep duration and daytime dysfunction in adults with cerebrovascular disease. <i>Sleep Medicine</i> , 2021, 83, 83-88.	0.8	11
16	Predicting Cognitive Impairment in Cerebrovascular Disease Using Spoken Discourse Production. <i>Topics in Language Disorders</i> , 2021, 41, 73-98.	0.9	5
17	Brain atrophy trajectories predict differential functional performance in Alzheimer's disease: Moderations with apolipoprotein E and sex. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12244.	1.2	3
18	Amyloidâ€“independent vascular contributions to cortical atrophy and cognition in a multiâ€“center mixed cohort with low to severe small vessel disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1

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19	Hippocampal segmentation for brains with extensive atrophy using three-dimensional convolutional neural networks. <i>Human Brain Mapping</i> , 2020, 41, 291-308.	1.9	45
20	Ontario Neurodegenerative Disease Research Initiative (ONDRI): Structural MRI Methods and Outcome Measures. <i>Frontiers in Neurology</i> , 2020, 11, 847.	1.1	23
21	Cortical Thickness Estimation in Individuals With Cerebral Small Vessel Disease, Focal Atrophy, and Chronic Stroke Lesions. <i>Frontiers in Neuroscience</i> , 2020, 14, 598868.	1.4	18
22	Accumulating and heterogeneous network knockout profiles in amnesic mild cognitive impairment and Alzheimer's disease dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, e039184.	0.4	0
23	Parkinson's Disease, NOTCH3 Genetic Variants, and White Matter Hyperintensities. <i>Movement Disorders</i> , 2020, 35, 2090-2095.	2.2	18
24	Structural Brain Magnetic Resonance Imaging to Rule Out Comorbid Pathology in the Assessment of Alzheimer's Disease Dementia: Findings from the Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study and Clinical Trials Over the Past 10 Years. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 747-757.	1.2	9
25	Perivascular spaces in the brain: anatomy, physiology and pathology. <i>Nature Reviews Neurology</i> , 2020, 16, 137-153.	4.9	405
26	The Canadian Dementia Imaging Protocol: Harmonization validity for morphometry measurements. <i>NeuroImage: Clinical</i> , 2019, 24, 101943.	1.4	10
27	Frontal Anatomical Correlates of Cognitive and Speech Motor Deficits in Amyotrophic Lateral Sclerosis. <i>Behavioural Neurology</i> , 2019, 2019, 1-11.	1.1	11
28	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 191-204.	1.2	65
29	The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, spcone.	1.9	1
30	ICP47: VENOUS COLLAGENOSIS AS PATHOGENESIS OF WHITE MATTER HYPERINTENSITIES. <i>Alzheimer's and Dementia</i> , 2019, 15, P49.	0.4	0
31	APOE ϵ 4, white matter hyperintensities, and cognition in Alzheimer and Lewy body dementia. <i>Neurology</i> , 2019, 93, e1807-e1819.	1.5	43
32	Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines. <i>PLoS ONE</i> , 2019, 14, e0226715.	1.1	22
33	The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 456-465.	1.9	101
34	The Impact of Covert Lacunar Infarcts and White Matter Hyperintensities on Cognitive and Motor Outcomes After Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 381-388.	0.7	14
35	Soluble Epoxide Hydrolase-Derived Linoleic Acid Oxylipins in Serum Are Associated with Periventricular White Matter Hyperintensities and Vascular Cognitive Impairment. <i>Translational Stroke Research</i> , 2019, 10, 522-533.	2.3	34
36	Vascular dysfunction—The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.4	454

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37	Perivascular Spaces Segmentation in Brain MRI Using Optimal 3D Filtering. Scientific Reports, 2018, 8, 2132.	1.6	98
38	The effect of white matter hyperintensities on verbal memory. Neurology, 2018, 90, e673-e682.	1.5	38
39	Managing money matters: Managing finances is associated with functional independence in MCI. International Journal of Geriatric Psychiatry, 2018, 33, 517-522.	1.3	6
40	Enhancement of automated blood flow estimates (ENABLE) from arterial spin-labeled MRI. Journal of Magnetic Resonance Imaging, 2018, 47, 647-655.	1.9	30
41	P3-009: VENTRICULAR ENLARGEMENT AS AN OUTCOME MEASURE FOR CLINICAL TRIALS ON ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1065.	0.4	1
42	F1-03-02: NEUROIMAGING OF ENLARGED PERIVASCULAR SPACES (EPVS) IN CLINICAL RESEARCH. Alzheimer's and Dementia, 2018, 14, P205.	0.4	0
43	Clinical dementia severity associated with ventricular size is differentially moderated by cognitive reserve in men and women. Alzheimer's Research and Therapy, 2018, 10, 89.	3.0	11
44	<i>APOE</i> ϵ 4 associates with hippocampal volume, learning, and memory across the spectrum of Alzheimer's disease and dementia with Lewy bodies. Alzheimer's and Dementia, 2018, 14, 1137-1147.	0.4	39
45	Carotid Atherosclerosis and Cerebral Small Vessel Disease: Preliminary Results from the Canadian Atherosclerosis Imaging Network Project 1. Atherosclerosis Supplements, 2018, 32, 156.	1.2	3
46	Small vessel disease is linked to disrupted structural network covariance in Alzheimer's disease. Alzheimer's and Dementia, 2017, 13, 749-760.	0.4	30
47	Functional Reserve: Experience Participating in Instrumental Activities of Daily Living is Associated with Gender and Functional Independence in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2017, 58, 425-434.	1.2	16
48	Peripheral inflammatory markers indicate microstructural damage within periventricular white matter hyperintensities in Alzheimer's disease: A preliminary report. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 7, 56-60.	1.2	41
49	Associations between amyloid β and white matter hyperintensities: A systematic review. Alzheimer's and Dementia, 2017, 13, 1154-1167.	0.4	89
50	Antihypertensive Treatment is associated with MRI-Derived Markers of Neurodegeneration and Impaired Cognition: A Propensity-Weighted Cohort Study. Journal of Alzheimer's Disease, 2017, 59, 1113-1122.	1.2	21
51	Peripheral lipid oxidative stress markers are related to vascular risk factors and subcortical small vessel disease. Neurobiology of Aging, 2017, 59, 91-97.	1.5	28
52	Dynamic Progression of White Matter Hyperintensities in Alzheimer's Disease and Normal Aging: Results from the Sunnybrook Dementia Study. Frontiers in Aging Neuroscience, 2016, 8, 62.	1.7	39
53	O3-1-01: Comparing Functional Disability of Men and Women with Mild Cognitive Impairment from the Alzheimer's Disease Neuroimaging Initiative. Alzheimer's and Dementia, 2016, 12, P312.	0.4	0
54	P1-309: Cerebral Microbleeds and Posterior Perivascular Spaces in Alzheimer's Disease Patients from The Sunnybrook Dementia Study. , 2016, 12, P540-P541.		0

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55	P3â€259: Sex Differences in Perivascular Space Burden in Alzheimerâ€™S Disease and Normal Elderly. <i>Alzheimer's and Dementia</i> , 2016, 12, P930.	0.4	0
56	P3-291: Atrial Fibrillation is Independently Associated with Brain Atrophy and Cognitive Dysfunction. , 2016, 12, P952-P952.		0
57	O2â€03â€01: Regional Relationships Between Enlarged Perivascular Spaces, White Matter Hyperintensities and Cognitive Impairment. <i>Alzheimer's and Dementia</i> , 2016, 12, P225.	0.4	2
58	Imaging the Perivascular Space as a Potential Biomarker of Neurovascular and Neurodegenerative Diseases. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 289-299.	1.7	118
59	White matter hyperintensity burden in elderly cohort studies: The Sunnybrook Dementia Study, Alzheimer's Disease Neuroimaging Initiative, and Threeâ€City Study. <i>Alzheimer's and Dementia</i> , 2016, 12, 203-210.	0.4	37
60	Unraveling the potential co-contributions of cerebral small vessel vasculopathy to the pathogenesis of Alzheimerâ€™s dementia. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 49.	3.0	4
61	Virchow-Robin Spaces: Correlations with Polysomnography-Derived Sleep Parameters. <i>Sleep</i> , 2015, 38, 853-8.	0.6	65
62	Predicting Alzheimer's disease development: a comparison of cognitive criteria and associated neuroimaging biomarkers. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 68.	3.0	35
63	Trail Making Test Elucidates Neural Substrates of Specific Poststroke Executive Dysfunctions. <i>Stroke</i> , 2015, 46, 2755-2761.	1.0	59
64	Cholinergic Subcortical Hyperintensities in Alzheimer's Disease Patients from the Sunnybrook Dementia Study: Relationships with Cognitive Dysfunction and Hippocampal Atrophy. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 785-796.	1.2	17
65	Visible Virchow-Robin Spaces on Magnetic Resonance Imaging of Alzheimer's Disease Patients and Normal Elderly from the Sunnybrook Dementia Study. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 415-424.	1.2	139
66	Subcortical hyperintensity volumetrics in Alzheimerâ€™s disease and normal elderly in the Sunnybrook Dementia Study: correlations with atrophy, executive function, mental processing speed, and verbal memory. <i>Alzheimer's Research and Therapy</i> , 2014, 6, 49.	3.0	42
67	Lesion Explorer: A Video-guided, Standardized Protocol for Accurate and Reliable MRI-derived Volumetrics in Alzheimer's Disease and Normal Elderly. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	26
68	A Short-Term Scanâ€Rescan Reliability Test Measuring Brain Tissue and Subcortical Hyperintensity Volumetrics Obtained Using the Lesion Explorer Structural MRI Processing Pipeline. <i>Brain Topography</i> , 2013, 26, 35-38.	0.8	26
69	Lesion Explorer: A comprehensive segmentation and parcellation package to obtain regional volumetrics for subcortical hyperintensities and intracranial tissue. <i>NeuroImage</i> , 2011, 54, 963-973.	2.1	117
70	Misclassified Tissue Volumes in Alzheimer Disease Patients With White Matter Hyperintensities. <i>Stroke</i> , 2008, 39, 1134-1141.	1.0	52
71	Overlap in Frontotemporal Atrophy Between Normal Aging and Patients With Frontotemporal Dementias. <i>Alzheimer Disease and Associated Disorders</i> , 2008, 22, 327-335.	0.6	31
72	Comparison of manual and semi-automated delineation of regions of interest for radioligand PET imaging analysis. <i>BMC Nuclear Medicine</i> , 2007, 7, 2.	1.4	10

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73	Retrieval of autobiographical memory in Alzheimer's disease: Relation to volumes of medial temporal lobe and other structures. <i>Hippocampus</i> , 2005, 15, 535-550.	0.9	117