

Joel Ramirez

List of Publications by Year in descending order

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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	Vascular dysfunctionâ€”The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.4	454
2	Perivascular spaces in the brain: anatomy, physiology and pathology. <i>Nature Reviews Neurology</i> , 2020, 16, 137-153.	4.9	405
3	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
4	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
5	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
6	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
7	The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 456-465.	1.9	101
8	Perivascular Spaces Segmentation in Brain MRI Using Optimal 3D Filtering. <i>Scientific Reports</i> , 2018, 8, 2132.	1.6	98
9	Associations between amyloid β^2 and white matter hyperintensities: A systematic review. <i>Alzheimer's and Dementia</i> , 2017, 13, 1154-1167.	0.4	89
10	Virchow-Robin Spaces: Correlations with Polysomnography-Derived Sleep Parameters. <i>Sleep</i> , 2015, 38, 853-8.	0.6	65
11	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
12	Trail Making Test Elucidates Neural Substrates of Specific Poststroke Executive Dysfunctions. <i>Stroke</i> , 2015, 46, 2755-2761.	1.0	59
13	Misclassified Tissue Volumes in Alzheimer Disease Patients With White Matter Hyperintensities. <i>Stroke</i> , 2008, 39, 1134-1141.	1.0	52
14	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
15	<i>APOE</i> ϵ 4, white matter hyperintensities, and cognition in Alzheimer and Lewy body dementia. <i>Neurology</i> , 2019, 93, e1807-e1819.	1.5	43
16	Subcortical hyperintensity volumetrics in Alzheimer'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
17	Peripheral inflammatory markers indicate microstructural damage within periventricular white matter hyperintensities in Alzheimer's disease: A preliminary report. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 7, 56-60.	1.2	41
18	Dynamic Progression of White Matter Hyperintensities in Alzheimer's Disease and Normal Aging: Results from the Sunnybrook Dementia Study. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 62.	1.7	39

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19	<i>APOE</i> ϵ 4 associates with hippocampal volume, learning, and memory across the spectrum of Alzheimer's disease and dementia with Lewy bodies. <i>Alzheimer's and Dementia</i> , 2018, 14, 1137-1147.	0.4	39
20	The effect of white matter hyperintensities on verbal memory. <i>Neurology</i> , 2018, 90, e673-e682.	1.5	38
21	White matter hyperintensity burden in elderly cohort studies: The Sunnybrook Dementia Study, Alzheimer's Disease Neuroimaging Initiative, and Three-City Study. <i>Alzheimer's and Dementia</i> , 2016, 12, 203-210.	0.4	37
22	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
23	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
24	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
25	Small vessel disease is linked to disrupted structural network covariance in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 749-760.	0.4	30
26	Enhancement of automated blood flow estimates (ENABLE) from arterial spin-labeled MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 647-655.	1.9	30
27	The use of angiotensin-converting enzyme inhibitors vs. angiotensin receptor blockers and cognitive decline in Alzheimer's disease: the importance of blood-brain barrier penetration and <i>APOE</i> ϵ 4 carrier status. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 43.	3.0	29
28	Peripheral lipid oxidative stress markers are related to vascular risk factors and subcortical small vessel disease. <i>Neurobiology of Aging</i> , 2017, 59, 91-97.	1.5	28
29	A Short-Term Scan-Free 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
30	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
31	White matter hyperintensities in autopsy-confirmed frontotemporal lobar degeneration and Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 129.	3.0	25
32	Ontario Neurodegenerative Disease Research Initiative (ONDRI): Structural MRI Methods and Outcome Measures. <i>Frontiers in Neurology</i> , 2020, 11, 847.	1.1	23
33	Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines. <i>PLoS ONE</i> , 2019, 14, e0226715.	1.1	22
34	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
35	Antihypertensive Treatment is associated with MRI-Derived Markers of Neurodegeneration and Impaired Cognition: A Propensity-Weighted Cohort Study. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1113-1122.	1.2	21
36	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

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37	Parkinson's Disease, <sc><i>NOTCH3</i></sc> Genetic Variants, and White Matter Hyperintensities. Movement Disorders, 2020, 35, 2090-2095.	2.2	18
38	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. Translational Stroke Research, 2021, 12, 15-30.	2.3	18
39	Cholinergic Subcortical Hyperintensities in Alzheimer's Disease Patients from the Sunnybrook Dementia Study: Relationships with Cognitive Dysfunction and Hippocampal Atrophy. Journal of Alzheimer's Disease, 2014, 43, 785-796.	1.2	17
40	Deep Bayesian networks for uncertainty estimation and adversarial resistance of white matter hyperintensity segmentation. Human Brain Mapping, 2022, 43, 2089-2108.	1.9	17
41	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
42	Characteristics of the Ontario Neurodegenerative Disease Research Initiative cohort. Alzheimer's and Dementia, 2023, 19, 226-243.	0.4	15
43	The Impact of Covert Lacunar Infarcts and White Matter Hyperintensities on Cognitive and Motor Outcomes After Stroke. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 381-388.	0.7	14
44	Improved Segmentation of the Intracranial and Ventricular Volumes in Populations with Cerebrovascular Lesions and Atrophy Using 3D CNNs. Neuroinformatics, 2021, 19, 597-618.	1.5	14
45	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
46	Frontal Anatomical Correlates of Cognitive and Speech Motor Deficits in Amyotrophic Lateral Sclerosis. Behavioural Neurology, 2019, 2019, 1-11.	1.1	11
47	MRI-visible perivascular space volumes, sleep duration and daytime dysfunction in adults with cerebrovascular disease. Sleep Medicine, 2021, 83, 83-88.	0.8	11
48	Small and Large Magnetic Resonance Imaging-Visible Perivascular Spaces in the Basal Ganglia of Parkinson's Disease Patients. Movement Disorders, 2022, 37, 1304-1309.	2.2	11
49	Comparison of manual and semi-automated delineation of regions of interest for radioligand PET imaging analysis. BMC Nuclear Medicine, 2007, 7, 2.	1.4	10
50	The Canadian Dementia Imaging Protocol: Harmonization validity for morphometry measurements. NeuroImage: Clinical, 2019, 24, 101943.	1.4	10
51	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. Journal of Alzheimer's Disease, 2020, 74, 747-757.	1.2	9
52	In vivo myelin imaging and tissue microstructure in white matter hyperintensities and perilesional white matter. Brain Communications, 2022, 4, .	1.5	8
53	Managing money matters: Managing finances is associated with functional independence in MCI. International Journal of Geriatric Psychiatry, 2018, 33, 517-522.	1.3	6
54	Predicting Cognitive Impairment in Cerebrovascular Disease Using Spoken Discourse Production. Topics in Language Disorders, 2021, 41, 73-98.	0.9	5

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55	Unraveling the potential co-contributions of cerebral small vessel vasculopathy to the pathogenesis of Alzheimer's dementia. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 49.	3.0	4
56	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
57	Carotid Atherosclerosis and Cerebral Small Vessel Disease: Preliminary Results from the Canadian Atherosclerosis Imaging Network Project 1. <i>Atherosclerosis Supplements</i> , 2018, 32, 156.	1.2	3
58	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
59	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
60	O2â€³â€³01: Regional Relationships Between Enlarged Perivascular Spaces, White Matter Hyperintensities and Cognitive Impairment. <i>Alzheimer's and Dementia</i> , 2016, 12, P225.	0.4	2
61	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
62	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
63	P3â€³09: VENTRICULAR ENLARGEMENT AS AN OUTCOME MEASURE FOR CLINICAL TRIALS ON ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1065.	0.4	1
64	The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, spcone.	1.9	1
65	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
66	O3â€³1â€³01: Comparing Functional Disability of Men and Women with Mild Cognitive Impairment from the Alzheimer's Disease Neuroimaging Initiative. <i>Alzheimer's and Dementia</i> , 2016, 12, P312.	0.4	0
67	P1-309: Cerebral Microbleeds and Posterior Perivascular Spaces in Alzheimer's Disease Patients from The Sunnybrook Dementia Study. , 2016, 12, P540-P541.		0
68	P3â€³259: Sex Differences in Perivascular Space Burden in Alzheimer's Disease and Normal Elderly. <i>Alzheimer's and Dementia</i> , 2016, 12, P930.	0.4	0
69	P3-291: Atrial Fibrillation is Independently Associated with Brain Atrophy and Cognitive Dysfunction. , 2016, 12, P952-P952.		0
70	F1â€³03â€³02: NEUROIMAGING OF ENLARGED PERIVASCULAR SPACES (EPVS) IN CLINICAL RESEARCH. <i>Alzheimer's and Dementia</i> , 2018, 14, P205.	0.4	0
71	ICâ€³Pâ€³047: VENOUS COLLAGENOSIS AS PATHOGENESIS OF WHITE MATTER HYPERINTENSITIES. <i>Alzheimer's and Dementia</i> , 2019, 15, P49.	0.4	0
72	Accumulating and heterogeneous networkâ€¢knockout profiles in amnesic mild cognitive impairment and Alzheimer's disease dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, e039184.	0.4	0

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73	Abstract P359: Secondary Thalamic Atrophy Related to Brain Infarction is Associated With Post-Stroke Cognitive Impairment. Stroke, 2021, 52, .	1.0	0