

# Ricardo S Osorio

## List of Publications by Citations

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101  
papers

4,757  
citations

32  
h-index

68  
g-index

123  
ext. papers

6,220  
ext. citations

5  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
101	A conceptual framework for research on subjective cognitive decline in preclinical Alzheimer's disease. <i>Alzheimers and Dementia</i> , <b>2014</b> , 10, 844-52	1.2	1219
100	Clearance systems in the brain-implications for Alzheimer disease. <i>Nature Reviews Neurology</i> , <b>2015</b> , 11, 457-70	15	759
99	Sleep-disordered breathing advances cognitive decline in the elderly. <i>Neurology</i> , <b>2015</b> , 84, 1964-71	6.5	223
98	Neuropsychiatric signs and symptoms of Alzheimer's disease: New treatment paradigms. <i>Alzheimers and Dementia: Translational Research and Clinical Interventions</i> , <b>2017</b> , 3, 440-449	6	153
97	Mediterranean diet and 3-year Alzheimer brain biomarker changes in middle-aged adults. <i>Neurology</i> , <b>2018</b> , 90, e1789-e1798	6.5	133
96	Candidate mechanisms underlying the association between sleep-wake disruptions and Alzheimer's disease. <i>Sleep Medicine Reviews</i> , <b>2017</b> , 31, 102-111	10.2	110
95	Greater risk of Alzheimer's disease in older adults with insomnia. <i>Journal of the American Geriatrics Society</i> , <b>2011</b> , 59, 559-62	5.6	109
94	Obstructive Sleep Apnea Severity Affects Amyloid Burden in Cognitively Normal Elderly. A Longitudinal Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 933-943	10.2	109
93	Sex differences in Alzheimer risk: Brain imaging of endocrine vs chronologic aging. <i>Neurology</i> , <b>2017</b> , 89, 1382-1390	6.5	104
92	Reduced Slow-Wave Sleep Is Associated with High Cerebrospinal Fluid A $\beta$ 2 Levels in Cognitively Normal Elderly. <i>Sleep</i> , <b>2016</b> , 39, 2041-2048	1.1	92
91	Alzheimer's disease cerebrospinal fluid biomarker in cognitively normal subjects. <i>Brain</i> , <b>2015</b> , 138, 2701-15.2	15.2	86
90	Cerebrospinal Fluid Clearance in Alzheimer Disease Measured with Dynamic PET. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 1471-1476	8.9	85
89	Interaction between sleep-disordered breathing and apolipoprotein E genotype on cerebrospinal fluid biomarkers for Alzheimer's disease in cognitively normal elderly individuals. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 1318-24	5.6	83
88	Functional reorganization in obstructive sleep apnoea and insomnia: A systematic review of the resting-state fMRI. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 77, 219-231	9	78
87	684 Contribution of Pulmonary Diseases to COVID-19 Mortality in a Diverse Community of New York City. <i>Sleep</i> , <b>2021</b> , 44, A267-A267	1.1	78
86	703 From in-lab to at-home: Measuring sleep and memory in the time of SARS-COVID-19. <i>Sleep</i> , <b>2021</b> , 44, A274-A275	1.1	78
85	Clinical and biomarker changes of Alzheimer's disease in adults with Down syndrome: a cross-sectional study. <i>Lancet, The</i> , <b>2020</b> , 395, 1988-1997	4.0	74

84	Obstructive sleep apnea and longitudinal Alzheimer's disease biomarker changes. <i>Sleep</i> , <b>2019</b> , 42,	1.1	66
83	The Relationship between Obstructive Sleep Apnea and Alzheimer's Disease. <i>Journal of Alzheimers Disease</i> , <b>2018</b> , 64, S255-S270	4.3	65
82	Perimenopause and emergence of an Alzheimer's bioenergetic phenotype in brain and periphery. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185926	3.7	62
81	Nutrient intake and brain biomarkers of Alzheimer's disease in at-risk cognitively normal individuals: a cross-sectional neuroimaging pilot study. <i>BMJ Open</i> , <b>2014</b> , 4, e004850	3	59
80	Obstructive sleep apnea, cognition and Alzheimer's disease: A systematic review integrating three decades of multidisciplinary research. <i>Sleep Medicine Reviews</i> , <b>2020</b> , 50, 101250	10.2	57
79	Effects of aging on slow-wave sleep dynamics and human spatial navigational memory consolidation. <i>Neurobiology of Aging</i> , <b>2016</b> , 42, 142-149	5.6	53
78	Blood pressure decrease correlates with tau pathology and memory decline in hypertensive elderly. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 64-71	5.6	49
77	Obstructive Sleep Apnea and the Risk of Cognitive Decline in Older Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 142-148	10.2	43
76	Apnea-induced rapid eye movement sleep disruption impairs human spatial navigational memory. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 14571-7	6.6	42
75	Lifestyle and vascular risk effects on MRI-based biomarkers of Alzheimer's disease: a cross-sectional study of middle-aged adults from the broader New York City area. <i>BMJ Open</i> , <b>2018</b> , 8, e019362	3	40
74	Brain imaging of cognitively normal individuals with 2 parents affected by late-onset AD. <i>Neurology</i> , <b>2014</b> , 82, 752-60	6.5	37
73	Biomarkers of dementia in obstructive sleep apnea. <i>Sleep Medicine Reviews</i> , <b>2018</b> , 42, 139-148	10.2	36
72	Orexin-A is Associated with Increases in Cerebrospinal Fluid Phosphorylated-Tau in Cognitively Normal Elderly Subjects. <i>Sleep</i> , <b>2016</b> , 39, 1253-60	1.1	35
71	Prevalence of Sleep Disorders in Adults With Down Syndrome: A Comparative Study of Self-Reported, Actigraphic, and Polysomnographic Findings. <i>Journal of Clinical Sleep Medicine</i> , <b>2018</b> , 14, 1725-1733	3.1	34
70	Sleep oscillation-specific associations with Alzheimer's disease CSF biomarkers: novel roles for sleep spindles and tau. <i>Molecular Neurodegeneration</i> , <b>2019</b> , 14, 10	19	30
69	Greater specificity for cerebrospinal fluid P-tau231 over P-tau181 in the differentiation of healthy controls from Alzheimer's disease. <i>Journal of Alzheimers Disease</i> , <b>2016</b> , 49, 93-100	4.3	25
68	The nonlinear relationship between cerebrospinal fluid A $\beta$ 2 and tau in preclinical Alzheimer's disease. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191240	3.7	23
67	FDG and Amyloid PET in Cognitively Normal Individuals at Risk for Late-Onset Alzheimer's Disease. <i>Advances in Molecular Imaging</i> , <b>2014</b> , 4, 15-26	0.3	23

66	Structural correlates of apathy in Alzheimer's disease: a multimodal MRI study. <i>International Journal of Geriatric Psychiatry</i> , <b>2017</b> , 32, 922-930	3.9	21
65	Soluble amyloid- $\beta$ levels and late-life depression. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 2547-54	3.3	21
64	Different Relationship Between Systolic Blood Pressure and Cerebral Perfusion in Subjects With and Without Hypertension. <i>Hypertension</i> , <b>2019</b> , 73, 197-205	8.5	20
63	Diffusion MRI biomarkers of white matter microstructure vary nonmonotonically with increasing cerebral amyloid deposition. <i>Neurobiology of Aging</i> , <b>2020</b> , 89, 118-128	5.6	19
62	A deep learning approach for real-time detection of sleep spindles. <i>Journal of Neural Engineering</i> , <b>2019</b> , 16, 036004	5	18
61	Insulin resistance among obese middle-aged is associated with decreased cerebrovascular reactivity. <i>Neurology</i> , <b>2017</b> , 89, 249-255	6.5	17
60	Associations of lifestyle and vascular risk factors with Alzheimer's brain biomarker changes during middle age: a 3-year longitudinal study in the broader New York City area. <i>BMJ Open</i> , <b>2018</b> , 8, e023664	3	17
59	Role of normal sleep and sleep apnea in human memory processing. <i>Nature and Science of Sleep</i> , <b>2018</b> , 10, 255-269	3.6	16
58	Obstructive Sleep Apnea and Its Treatment in Aging: Effects on Alzheimer's disease Biomarkers, Cognition, Brain Structure and Neurophysiology. <i>Neurobiology of Disease</i> , <b>2020</b> , 145, 105054	7.5	15
57	The prevalence of obstructive sleep apnea in mild cognitive impairment: a systematic review. <i>BMC Neurology</i> , <b>2019</b> , 19, 195	3.1	14
56	State-dependent alterations in cerebrospinal fluid A $\beta$ 2 levels in cognitively intact elderly with late-life major depression. <i>NeuroReport</i> , <b>2016</b> , 27, 1068-71	1.7	13
55	An effective environmental intervention for management of the 'mirror sign' in a case of probable Lewy body dementia. <i>Neurocase</i> , <b>2013</b> , 19, 1-13	0.8	13
54	Opportunities, barriers, and recommendations in down syndrome research. <i>Translational Science of Rare Diseases</i> , <b>2021</b> , 5, 99-129	3.3	13
53	Effects of vascular risk factors, statins, and antihypertensive drugs on PiB deposition in cognitively normal subjects. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2016</b> , 2, 95-104	5.2	13
52	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17, 1528-1553	1.2	12
51	Basal forebrain septal nuclei are enlarged in healthy subjects prior to the development of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2018</b> , 65, 201-205	5.6	11
50	Promoting research in advanced dementia: early clinical results of the Alzheimer Center Reina Sofía Foundation. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 28, 211-22	4.3	11
49	Association of Apolipoprotein E e4 Allele With Clinical and Multimodal Biomarker Changes of Alzheimer Disease in Adults With Down Syndrome. <i>JAMA Neurology</i> , <b>2021</b> , 78, 937-947	17.2	11

48	A novel rating scale for the measurement of apathy in institutionalized persons with dementia: the APADEM-NH. <i>American Journal of Geriatric Psychiatry</i> , <b>2015</b> , 23, 149-59	6.5	10
47	Gray matter volume and estimated brain age gap are not linked with sleep-disordered breathing. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 3034-3044	5.9	10
46	Multichannel sleep spindle detection using sparse low-rank optimization. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 288, 1-16	3	10
45	Cerebral white matter diffusion properties and free-water with obstructive sleep apnea severity in older adults. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 2686-2701	5.9	8
44	Self-reported obstructive sleep apnea, amyloid and tau burden, and Alzheimer's disease time-dependent progression. <i>Alzheimers and Dementia</i> , <b>2020</b> , 17, 226	1.2	7
43	Contribution of pulmonary diseases to COVID-19 mortality in a diverse urban community of New York. <i>Chronic Respiratory Disease</i> , <b>2021</b> , 18, 1479973120986806	3	6
42	Alterations in EEG connectivity in healthy young adults provide an indicator of sleep depth. <i>Sleep</i> , <b>2019</b> , 42,	1.1	5
41	ENIGMA-Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , <b>2021</b> , 30, e133475.8		5
40	[P41133]: DIFFERENTIAL VALUE OF PLASMA TAU AS A BIOMARKER FOR ALZHEIMER'S DISEASE AND CHRONIC TRAUMATIC BRAIN INJURY <b>2017</b> , 13, P1307-P1307		3
39	Plasma tau predicts cerebral vulnerability in aging. <i>Aging</i> , <b>2020</b> , 12, 21004-21022	5.6	3
38	Nocturnal Hypoxemia Is Associated with Altered Parahippocampal Functional Brain Connectivity in Older Adults at Risk for Dementia. <i>Journal of Alzheimers Disease</i> , <b>2020</b> , 73, 571-584	4.3	3
37	Evidence of upregulation of the cholinergic anti-inflammatory pathway in late-life depression. <i>Journal of Affective Disorders</i> , <b>2021</b> , 286, 275-281	6.6	3
36	Precisely-Measured Hydration Status Correlates with Hippocampal Volume in Healthy Older Adults. <i>American Journal of Geriatric Psychiatry</i> , <b>2019</b> , 27, 653-654	6.5	2
35	Effects of obstructive sleep apnea on human spatial navigational memory processing in cognitively normal older individuals. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , 17, 939-948	3.1	2
34	Obesity and Race May Explain Differential Burden of White Matter Hyperintensity Load. <i>Clinical Interventions in Aging</i> , <b>2021</b> , 16, 1563-1571	4	2
33	Potential long-term effect of tumor necrosis factor inhibitors on dementia risk: A propensity score matched retrospective cohort study in US veterans. <i>Alzheimers and Dementia</i> , <b>2021</b> ,	1.2	2
32	[P31191]: SLEEP PROBLEMS AND CHANGES IN AD BIOMARKERS ARE PREDICTIVE OF PERSONS WHO ULTIMATELY DEVELOP AD: FINDINGS FROM SUBGROUP META-ANALYSIS ON SLEEP AND ALZHEIMER'S DISEASE <b>2017</b> , 13, P1007-P1008		1
31	[P31192]: EFFECT OF OBSTRUCTIVE SLEEP APNEA (OSA) ON RATE OF CHANGE OF AD BIOMARKERS IN COGNITIVELY NORMAL, MCI AND AD ELDERLY: FINDINGS FROM THE ALZHEIMER'S DISEASE NEUROIMAGING INITIATIVE (ADNI) COHORT <b>2017</b> , 13, P1008-P1009		1

30	The Neutrophil to Lymphocyte Ratio Is Associated With the Risk of Subsequent Dementia in the Framingham Heart Study.. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 773984	5.3	1
29	Endotyping Sleep Apnea One Breath at a Time: An Automated Approach for Separating Obstructive from Central Sleep Disordered Breathing. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> ,	10.2	1
28	Association of CSF sTREM2, a marker of microglia activation, with cholinergic basal forebrain volume in major depressive disorder. <i>Journal of Affective Disorders</i> , <b>2021</b> , 293, 429-434	6.6	1
27	0302 Interactive Associations of Obstructive Sleep Apnea and $\beta$ Amyloid Burden among Clinically Normal and Mild Cognitive Impairment Elderly Individuals: An examination of conversion risk. <i>Sleep</i> , <b>2019</b> , 42, A123-A123	1.1	0
26	Interactive Associations of Neuropsychiatry Inventory-Questionnaire Assessed Sleep Disturbance and Vascular Risk on Alzheimer's Disease Stage Progression in Clinically Normal Older Adults.. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 763264	5.3	0
25	Impact of MR-guided PET reconstruction on tau detection and quantification with [18F]-MK-6240. <i>Alzheimers and Dementia</i> , <b>2020</b> , 16, e037977	1.2	
24	Interactive associations of nocturnal sleep disturbance and vascular risk with prospective cognitive decline in clinically normal elderly individuals: Findings from the National Alzheimer's Coordinating Center Uniform Data Set. <i>Alzheimers and Dementia</i> , <b>2020</b> , 16, e044904	1.2	
23	Characterization of older, cognitively normal obstructive sleep apnea patients at risk of prospective cognitive decline using the NIA-AA Research Framework. <i>Alzheimers and Dementia</i> , <b>2020</b> , 16, e044942	1.2	
22	0293 Effects of Obstructive Sleep Apnea on Human Spatial Navigational Memory Processing in Cognitively Normal Older Adults. <i>Sleep</i> , <b>2019</b> , 42, A120-A120	1.1	
21	P4-092: SLEEP DISORDERED BREATHING IN THE ELDERLY AND RISK FOR ALZHEIMER'S DISEASE USING FDG-PET <b>2014</b> , 10, P818-P818		
20	[IC-P-131]: EFFECT OF OBSTRUCTIVE SLEEP APNEA (OSA) ON RATE OF CHANGE OF AD BIOMARKERS IN COGNITIVE NORMAL, MCI AND AD ELDERLY: FINDINGS FROM THE ALZHEIMER'S DISEASE NEUROIMAGING INITIATIVE (ADNI) COHORT <b>2017</b> , 13, P99-P99		
19	[O20405]: IN COGNITIVELY NORMAL ELDERLY, INCREASED CSF P-TAU IS ASSOCIATED WITH REDUCED SPINDLE FREQUENCY AND DENSITY IN STAGE 2 NREM SLEEP <b>2017</b> , 13, P559		
18	P4-180: CSF A $\beta$ 2 levels may increase due to age-dependent slow-wave sleep loss prior to amyloid deposition in humans <b>2015</b> , 11, P848-P848		
17	P4-255: Normotensive elderly with white matter lesions: A group at risk for Alzheimer's disease <b>2015</b> , 11, P879-P879		
16	791 Association of Obstructive Sleep Apnea Severity and Novel Plasma Biomarkers of Alzheimer's Disease Pathology. <i>Sleep</i> , <b>2021</b> , 44, A308-A308	1.1	
15	IC-P-118: $\beta$ TA-AMYLOID BURDEN MODIFIES CONVERSION RISK IN CLINICALLY NORMAL AND MILD COGNITIVE IMPAIRMENT OBSTRUCTIVE SLEEP APNEA ELDERLY INDIVIDUALS <b>2019</b> , 15, P100-P100		
14	0706 Examining Sleeping Medication And Insomnia Symptoms By Cognitive Impairment Among Older Americans In The U.S. Using The National Health And Aging Trends Study. <i>Sleep</i> , <b>2019</b> , 42, A283-A283	1.1	
13	0960 Interactive Associations of Obstructive Sleep Apnea and Hypertension with longitudinal changes in $\beta$ Amyloid Burden and Cognitive Decline in Clinically Normal Elderly Individuals. <i>Sleep</i> , <b>2019</b> , 42, A386-A386	1.1	

- 12 O1-11-01: OBSTRUCTIVE SLEEP APNEA, BRAIN BETA-AMYLOID MEASURES AND TIME-TO-PROGRESSION FROM MILD COGNITIVE IMPAIRMENT TO ALZHEIMER'S DISEASE **2018**, 14, P246-P247
- 11 P1-287: SLOW WAVE SLEEP DECREASE IS ASSOCIATED WITH INCREASED LEVELS OF CSF A $\beta$ 2 IN COGNITIVELY NORMAL OLDER ADULTS **2018**, 14, P395-P395
- 10 P1-269: SLEEP DISORDERED BREATHING AND BRAIN BETA-AMYLOID BOTH PREDICT TIME-TO-PROGRESSION FROM COGNITIVE NORMAL TO MILD COGNITIVE IMPAIRMENT WITH BRAIN BETA-AMYLOID MODIFYING THE PROGRESSION RISK **2018**, 14, P384-P385
- 9 IC-P-002: OBSTRUCTIVE SLEEP APNEA, BRAIN BETA-AMYLOID MEASURES AND TIME-TO-PROGRESSION FROM MILD COGNITIVE IMPAIRMENT TO ALZHEIMER'S DISEASE **2018**, 14, P15-P15
- 8 IC-P-154: SLEEP DISORDERED BREATHING AND BRAIN BETA-AMYLOID BOTH PREDICT TIME-TO-PROGRESSION FROM NORMAL COGNITION TO MILD COGNITIVE IMPAIRMENT WITH BRAIN BETA-AMYLOID MODIFYING THE PROGRESSION RISK **2018**, 14, P130-P131
- 7 P2-074: IMPAIRED CSF CLEARANCE AND BRAIN AMYLOID IN ALZHEIMER'S DISEASE: A MULTI-TRACER PET STUDY **2018**, 14, P695-P695
- 6 P2-128: DECREASED TOTAL SLEEP TIME IN AMYLOID NEGATIVE APOE4 CARRIERS: A NEW CLINICAL ENDOPHENOTYPE? **2018**, 14, P717-P717
- 5 Effects of blood pressure on white matter lesions and brain volumes in hypertensive and normotensive subjects.. *Alzheimers and Dementia*, **2021**, 17 Suppl 3, e053826 1.2
- 4 Association between lower body temperature and increased tau pathology in cognitively normal older adults.. *Neurobiology of Disease*, **2022**, 105748 7.5
- 3 0275 Effect of acutely induced severe OSA on AD plasma biomarkers. *Sleep*, **2022**, 45, A124-A124 1.1
- 2 0734 Examining the diagnostic validity of the WatchPAT in a preliminary sample of cognitive normal Black/African-American older adults. *Sleep*, **2022**, 45, A320-A321 1.1
- 1 0645 Associations of Objective Sleep Parameters and Gray Matter Microstructure in community dwelling cognitive normal older adults. *Sleep*, **2022**, 45, A283-A284 1.1