

# Oriol Grau-Rivera

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,825  
citations

236925

25  
h-index

289244

40  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel tau biomarkers phosphorylated at T181, T217 or T231 rise in the initial stages of the preclinical Alzheimer's <i>continuum</i> when only subtle changes in A $\beta$ pathology are detected. <i>EMBO Molecular Medicine</i> , 2020, 12, e12921.	6.9	202
2	Prevalence of amyloid $\beta$ pathology in distinct variants of primary progressive aphasia. <i>Annals of Neurology</i> , 2018, 84, 729-740.	5.3	132
3	Amyloid beta, tau, synaptic, neurodegeneration, and glial biomarkers in the preclinical stage of the Alzheimer's <i>continuum</i>. <i>Alzheimer's and Dementia</i> , 2020, 16, 1358-1371.	0.8	120
4	A comprehensive study of the genetic impact of rare variants in SORL1 in European early-onset Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 132, 213-224.	7.7	83
5	Centiloid cut-off values for optimal agreement between PET and CSF core AD biomarkers. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 27.	6.2	82
6	Brain and cognitive correlates of subjective cognitive decline-plus features in a population-based cohort. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 123.	6.2	73
7	Determination of Neuronal Antibodies in Suspected and Definite Creutzfeldt-Jakob Disease. <i>JAMA Neurology</i> , 2014, 71, 74.	9.0	59
8	Deleterious ABCA7 mutations and transcript rescue mechanisms in early onset Alzheimer's disease. <i>Acta Neuropathologica</i> , 2017, 134, 475-487.	7.7	53
9	Association between insomnia and cognitive performance, gray matter volume, and white matter microstructure in cognitively unimpaired adults. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 4.	6.2	53
10	Copathology in Progressive Supranuclear Palsy: Does It Matter?. <i>Movement Disorders</i> , 2020, 35, 984-993.	3.9	48
11	Spatial patterns of white matter hyperintensities associated with Alzheimer's disease risk factors in a cognitively healthy middle-aged cohort. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 12.	6.2	46
12	PrP mRNA and protein expression in brain and PrP <sup>Sc</sup> CSF in Creutzfeldt-Jakob disease MM1 and VV2. <i>Prion</i> , 2013, 7, 383-393.	1.8	45
13	Regional Overlap of Pathologies in Lewy Body Disorders. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 216-224.	1.7	45
14	Analysis of known amyotrophic lateral sclerosis and frontotemporal dementia genes reveals a substantial genetic burden in patients manifesting both diseases not carrying the <i>C9orf72</i> expansion mutation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 162-168.	1.9	44
15	Neuronal intranuclear (hyaline) inclusion disease and fragile X-associated tremor/ataxia syndrome: a morphological and molecular dilemma. <i>Brain</i> , 2017, 140, e51-e51.	7.6	43
16	White matter microstructure is altered in cognitively normal middle-aged APOE $\epsilon$ 4 homozygotes. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 48.	6.2	43
17	Patterns of white matter hyperintensities associated with cognition in middle-aged cognitively healthy individuals. <i>Brain Imaging and Behavior</i> , 2020, 14, 2012-2023.	2.1	40
18	CSF Synaptic Biomarkers in the Preclinical Stage of Alzheimer Disease and Their Association With MRI and PET. <i>Neurology</i> , 2021, 97, e2065-e2078.	1.1	40

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19	Associations between air pollution and biomarkers of Alzheimer's disease in cognitively unimpaired individuals. <i>Environment International</i> , 2021, 157, 106864.	10.0	40
20	Cerebrospinal Fluid Biomarkers Predict Clinical Evolution in Patients with Subjective Cognitive Decline and Mild Cognitive Impairment. <i>Neurodegenerative Diseases</i> , 2016, 16, 69-76.	1.4	36
21	Clinicopathological Correlations and Concomitant Pathologies in Rapidly Progressive Dementia: A Brain Bank Series. <i>Neurodegenerative Diseases</i> , 2015, 15, 350-360.	1.4	35
22	Dementia with Lewy Bodies: Molecular Pathology in the Frontal Cortex in Typical and Rapidly Progressive Forms. <i>Frontiers in Neurology</i> , 2017, 8, 89.	2.4	35
23	Frontotemporal Dementia Caused by the P301L Mutation in <i>MAPT</i> Gene: Clinicopathological Features of 13 Cases from the Same Geographical Origin in Barcelona, Spain. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017, 44, 213-221.	1.5	31
24	Interactive effect of age and APOE- $\epsilon$ 4 allele load on white matter myelin content in cognitively normal middle-aged subjects. <i>NeuroImage: Clinical</i> , 2019, 24, 101983.	2.7	30
25	White matter hyperintensities mediate gray matter volume and processing speed relationship in cognitively unimpaired participants. <i>Human Brain Mapping</i> , 2020, 41, 1309-1322.	3.6	27
26	Diagnostic accuracy of behavioral variant frontotemporal dementia consortium criteria (FTDC) in a clinicopathological cohort. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 882-892.	3.2	26
27	CSF glial biomarkers YKL40 and sTREM2 are associated with longitudinal volume and diffusivity changes in cognitively unimpaired individuals. <i>NeuroImage: Clinical</i> , 2019, 23, 101801.	2.7	26
28	Clinical reporting following the quantification of cerebrospinal fluid biomarkers in Alzheimer's disease: An international overview. <i>Alzheimer's and Dementia</i> , 2022, 18, 1868-1879.	0.8	26
29	Structural Connectivity Alterations Along the Alzheimer's Disease Continuum: Reproducibility Across Two Independent Samples and Correlation with Cerebrospinal Fluid Amyloid- $\beta$ and Tau. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1575-1587.	2.6	25
30	Subtype and regional regulation of prion biomarkers in sporadic Creutzfeldt-Jakob disease. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 631-645.	3.2	24
31	Altered mechanisms of protein synthesis in frontal cortex in Alzheimer disease and a mouse model. <i>American Journal of Neurodegenerative Disease</i> , 2017, 6, 15-25.	0.1	19
32	Systematic Screening of Ubiquitin/p62 Aggregates in Cerebellar Cortex Expands the Neuropathological Phenotype of the C9orf72 Expansion Mutation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 703-709.	1.7	18
33	Quantitative Magnetic Resonance Abnormalities in Creutzfeldt-Jakob Disease and Fatal Insomnia. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 431-443.	2.6	17
34	DHA intake relates to better cerebrovascular and neurodegeneration neuroimaging phenotypes in middle-aged adults at increased genetic risk of Alzheimer disease. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1627-1635.	4.7	17
35	Prominent psychiatric symptoms in patients with Parkinson's disease and concomitant argyrophilic grain disease. <i>Journal of Neurology</i> , 2013, 260, 3002-3009.	3.6	15
36	Distinct Cognitive and Brain Morphological Features in Healthy Subjects Unaware of Informant-Reported Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 181-191.	2.6	15

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37	Amyloid- $\beta^2$ positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to lower hippocampal volume. <i>Neurobiology of Aging</i> , 2021, 104, 24-31.	3.1	13
38	Large APP locus duplication in a sporadic case of cerebral haemorrhage. <i>Neurogenetics</i> , 2014, 15, 145-149.	1.4	12
39	Brain alterations in the early Alzheimer's continuum with amyloid- $\beta^2$ , tau, glial and neurodegeneration CSF markers. <i>Brain Communications</i> , 2022, 4, .	3.3	12
40	Sporadic MM2A thalamic+cortical Creutzfeldt-Jakob disease: Utility of diffusion tensor imaging in the detection of cortical involvement <i>in vivo</i> . <i>Neuropathology</i> , 2016, 36, 199-204.	1.2	11
41	Variably protease-sensitive prionopathy presenting within ALS/FTD spectrum. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1297-1302.	3.7	10
42	A unique common ancestor introduced P301L mutation in MAPT gene in frontotemporal dementia patients from Barcelona (Baix Llobregat, Spain). <i>Neurobiology of Aging</i> , 2019, 84, 236.e9-236.e15.	3.1	7
43	Rapidly progressive dementia with psychotic onset in a patient with the C9ORF72 mutation. , 2015, 34, 294-297.		7
44	Pisa syndrome in a patient with pathologically confirmed Parkinson's disease. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 654-658.	3.2	6
45	Effect of BDNF Val66Met on hippocampal subfields volumes and compensatory interaction with APOE- $\mu^4$ in middle-age cognitively unimpaired individuals from the ALFA study. <i>Brain Structure and Function</i> , 2020, 225, 2331-2345.	2.3	5
46	Genotypic effects of APOE- $\mu^4$ on resting-state connectivity in cognitively intact individuals support functional brain compensation. <i>Cerebral Cortex</i> , 2023, 33, 2748-2760.	2.9	5
47	Tauopathy with Hippocampal Repeat Tau Immunoreactive Spherical Inclusions in a Patient with PSP. <i>Brain Pathology</i> , 2018, 28, 284-286.	4.1	4
48	Sex Differences of Longitudinal Brain Changes in Cognitively Unimpaired Adults. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1413-1422.	2.6	4
49	Association of years to parent's sporadic onset and risk factors with neural integrity and Alzheimer biomarkers. <i>Neurology</i> , 2020, 95, e2065-e2074.	1.1	3
50	Air pollution and biomarkers of Alzheimer's disease in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2020, 16, e044802.	0.8	3
51	Conjoint FTLD-FUS of the neuronal intermediate filament inclusion disease type, progressive supranuclear palsy and Alzheimer's pathology presenting as parkinsonism with early falls and late hallucinations, psychosis and dementia. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 352-357.	3.2	2
52	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	2
53	Distinctive effect of biological sex in AD-related CSF and plasma biomarkers. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	2
54	Emerging beta-amyloid pathology is associated with tau, synaptic, neurodegeneration and gray matter volume differences. <i>Alzheimer's and Dementia</i> , 2020, 16, e044466.	0.8	1

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55	Clinical Neuropathology image 4-2017: High-resolution 7 Tesla MRI of postmortem brain specimens: improving neuroimaging-neuropathology correlations. , 2017, 36, 162-163.		1
56	Higher levels of the astrocytic marker CSF YKL40 are associated with better memory performance only in amyloid $\beta$ -positive individuals with subjective cognitive decline. Alzheimer's and Dementia, 2021, 17, .	0.8	1
57	Subjective cognitive decline is associated with higher anxiety and depression during the COVID $\beta$ -related confinement. Alzheimer's and Dementia, 2021, 17, .	0.8	1
58	Amyloid $\beta$ , tau, synaptic dysfunction, neurodegeneration, glial and vascular biomarkers in the preclinical stage of the Alzheimer $\beta$ 's continuum. Alzheimer's and Dementia, 2020, 16, e044444.	0.8	0
59	Genetically predicted telomere length and Alzheimer $\beta$ 's disease endophenotypes: A Mendelian randomization study. Alzheimer's and Dementia, 2020, 16, e044720.	0.8	0
60	The effect of physical activity on CSF biomarkers of Alzheimer $\beta$ 's disease differs between men and women. Alzheimer's and Dementia, 2020, 16, e044722.	0.8	0
61	Multiple pathophysiological biomarkers are associated with gray matter volume and cerebral glucose metabolism in the early preclinical Alzheimer's continuum. Alzheimer's and Dementia, 2020, 16, e044808.	0.8	0
62	APOE $\epsilon$ 4 shapes temporoparietal network properties in middle-aged, cognitively unimpaired individuals: A graph theory analysis. Alzheimer's and Dementia, 2020, 16, e045092.	0.8	0
63	Weight loss predicts Alzheimer $\beta$ 's disease biomarker positivity in cognitively unimpaired middle-aged adults. Alzheimer's and Dementia, 2020, 16, e045137.	0.8	0
64	Proximity to parental age at onset exacerbates amyloid burden while mental conditions exacerbate neural loss during midlife. Alzheimer's and Dementia, 2020, 16, e045171.	0.8	0
65	Incidence of subjective cognitive decline is associated with amyloid $\beta$ pathology, whereas stability relates to neurodegeneration. Alzheimer's and Dementia, 2020, 16, e045293.	0.8	0
66	Amyloid $\beta$ -positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to hippocampal volume. Alzheimer's and Dementia, 2020, 16, e045715.	0.8	0
67	The Barcelonabeta dementia prevention research clinic: Study design, recruitment profiles and inclusion in prevention studies " An update. Alzheimer's and Dementia, 2020, 16, e045800.	0.8	0
68	Soundtrack of life: An fMRI study. Behavioural Brain Research, 2022, 418, 113634.	2.2	0
69	Cross-sectional associations between sleep quality reports and core Alzheimer $\beta$ 's disease biomarkers in cognitively unimpaired adults from the European Prevention of Alzheimer $\beta$ 's Dementia Longitudinal Cohort Study (EPAD LCS). Alzheimer's and Dementia, 2021, 17, .	0.8	0
70	Data-driven approach for early detection of pathological pathways in middle-aged adults with family history of sporadic Alzheimer $\beta$ 's disease. Alzheimer's and Dementia, 2021, 17, .	0.8	0
71	Structural, metabolic and cognitive characteristics of cognitively unimpaired subjects with mismatching $\beta$ -amyloid biomarkers. Alzheimer's and Dementia, 2021, 17, .	0.8	0
72	Associations between iron deposition in the brain and grey matter volumes in cognitively unimpaired adults. Alzheimer's and Dementia, 2021, 17, .	0.8	0

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73	Association of body mass index with brain structure and biomarkers of inflammation in cognitively unimpaired middle-aged adults with and without evidence of $\beta$ 2 amyloid pathology. Alzheimer's and Dementia, 2021, 17, .	0.8	0
74	Current status and quantitative results of the AMYPAD prognostic and natural history study. Alzheimer's and Dementia, 2021, 17, .	0.8	0
75	Sex, caregiver status and amyloid positivity predict increased anxiety and depression during the COVID-19 related confinement. Alzheimer's and Dementia, 2021, 17, .	0.8	0