

# Jorge J Palop

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/519690/jorge-j-palop-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

9,654  
citations

30  
h-index

42  
g-index

42  
ext. papers

11,308  
ext. citations

14.5  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
39	Reducing endogenous tau ameliorates amyloid beta-induced deficits in an Alzheimer's disease mouse model. <i>Science</i> , <b>2007</b> , 316, 750-4	33.3	1431
38	Amyloid-beta-induced neuronal dysfunction in Alzheimer's disease: from synapses toward neural networks. <i>Nature Neuroscience</i> , <b>2010</b> , 13, 812-8	25.5	1106
37	Aberrant excitatory neuronal activity and compensatory remodeling of inhibitory hippocampal circuits in mouse models of Alzheimer's disease. <i>Neuron</i> , <b>2007</b> , 55, 697-711	13.9	1038
36	Inhibitory interneuron deficit links altered network activity and cognitive dysfunction in Alzheimer model. <i>Cell</i> , <b>2012</b> , 149, 708-21	56.2	655
35	A network dysfunction perspective on neurodegenerative diseases. <i>Nature</i> , <b>2006</b> , 443, 768-73	50.4	489
34	Amyloid- $\beta$ /Fyn-induced synaptic, network, and cognitive impairments depend on tau levels in multiple mouse models of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 700-11	6.6	479
33	Epilepsy and cognitive impairments in Alzheimer disease. <i>Archives of Neurology</i> , <b>2009</b> , 66, 435-40		458
32	Levetiracetam suppresses neuronal network dysfunction and reverses synaptic and cognitive deficits in an Alzheimer's disease model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E2895-903	11.5	404
31	Network abnormalities and interneuron dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , <b>2016</b> , 17, 777-792	13.5	390
30	Neuronal depletion of calcium-dependent proteins in the dentate gyrus is tightly linked to Alzheimer's disease-related cognitive deficits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 9572-7	11.5	322
29	Accelerating amyloid-beta fibrillization reduces oligomer levels and functional deficits in Alzheimer disease mouse models. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 23818-28	5.4	318
28	Distinct roles of GABAergic interneurons in the regulation of striatal output pathways. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 2223-34	6.6	268
27	Phospholipase A2 reduction ameliorates cognitive deficits in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , <b>2008</b> , 11, 1311-8	25.5	265
26	Fyn kinase induces synaptic and cognitive impairments in a transgenic mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 9694-703	6.6	252
25	Transsynaptic progression of amyloid- $\beta$ -induced neuronal dysfunction within the entorhinal-hippocampal network. <i>Neuron</i> , <b>2010</b> , 68, 428-41	13.9	237
24	Arc regulates spine morphology and maintains network stability in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18173-8	11.5	179
23	Imbalance between GABAergic and Glutamatergic Transmission Impairs Adult Neurogenesis in an Animal Model of Alzheimer's Disease. <i>Cell Stem Cell</i> , <b>2009</b> , 5, 624-33	18	145

22	Fyn kinase modulates synaptotoxicity, but not aberrant sprouting, in human amyloid precursor protein transgenic mice. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 4692-7	6.6	140
21	Reelin depletion in the entorhinal cortex of human amyloid precursor protein transgenic mice and humans with Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 2727-33	6.6	132
20	Vulnerability of dentate granule cells to disruption of arc expression in human amyloid precursor protein transgenic mice. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 9686-93	6.6	130
19	Aggressive amyloidosis in mice expressing human amyloid peptides with the Arctic mutation. <i>Nature Medicine</i> , <b>2004</b> , 10, 1190-2	50.5	111
18	Synaptic depression and aberrant excitatory network activity in Alzheimer's disease: two faces of the same coin?. <i>NeuroMolecular Medicine</i> , <b>2010</b> , 12, 48-55	4.6	108
17	Nav1.1-Overexpressing Interneuron Transplants Restore Brain Rhythms and Cognition in a Mouse Model of Alzheimer's Disease. <i>Neuron</i> , <b>2018</b> , 98, 75-89.e5	13.9	85
16	Enkephalin elevations contribute to neuronal and behavioral impairments in a transgenic mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 5007-17	6.6	62
15	What electrophysiology tells us about Alzheimer's disease: a window into the synchronization and connectivity of brain neurons. <i>Neurobiology of Aging</i> , <b>2020</b> , 85, 58-73	5.6	59
14	Lamin B1 mediates cell-autonomous neuropathology in a leukodystrophy mouse model. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 2719-29	15.9	51
13	Quantifying biomarkers of cognitive dysfunction and neuronal network hyperexcitability in mouse models of Alzheimer's disease: depletion of calcium-dependent proteins and inhibitory hippocampal remodeling. <i>Methods in Molecular Biology</i> , <b>2011</b> , 670, 245-62	1.4	47
12	Cellular source of apolipoprotein E4 determines neuronal susceptibility to excitotoxic injury in transgenic mice. <i>American Journal of Pathology</i> , <b>2010</b> , 177, 563-9	5.8	45
11	Altered navigational strategy use and visuospatial deficits in hAPP transgenic mice. <i>Neurobiology of Aging</i> , <b>2008</b> , 29, 253-66	5.6	44
10	A second X chromosome contributes to resilience in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	40
9	Nuclear pore complex remodeling by p75(NTR) cleavage controls TGF- $\beta$ signaling and astrocyte functions. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1077-80	25.5	29
8	Cytochemical techniques for zinc and heavy metals localization in nerve cells. <i>Microscopy Research and Technique</i> , <b>2002</b> , 56, 318-31	2.8	25
7	Microglial G-dependent dynamics regulate brain network hyperexcitability. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 19-23	25.5	25
6	GluN2A NMDA Receptor Enhancement Improves Brain Oscillations, Synchrony, and Cognitive Functions in Dravet Syndrome and Alzheimer's Disease Models. <i>Cell Reports</i> , <b>2020</b> , 30, 381-396.e4	10.6	20
5	Ovarian Cycle Stages Modulate Alzheimer-Related Cognitive and Brain Network Alterations in Female Mice. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	19

4	Step-by-step in situ hybridization method for localizing gene expression changes in the brain. <i>Methods in Molecular Biology</i> , <b>2011</b> , 670, 207-30	1.4	18
3	Behavioral and neural network abnormalities in human APP transgenic mice resemble those of App knock-in mice and are modulated by familial Alzheimer's disease mutations but not by inhibition of BACE1. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 53	19	18
2	Epilepsy as a Network Disorder (2): What can we learn from other network disorders such as dementia and schizophrenia, and what are the implications for translational research?. <i>Epilepsy and Behavior</i> , <b>2018</b> , 78, 302-312	3.2	7
1	Ketogenic diet or BHB improves epileptiform spikes, memory, survival in Alzheimer's model		1