

# Jorge J Palop

## List of Publications by Year in Descending Order

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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	Microglial G-dependent dynamics regulate brain network hyperexcitability. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 19-23	25.5	25
38	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
37	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
36	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
35	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
34	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
33	Ovarian Cycle Stages Modulate Alzheimer-Related Cognitive and Brain Network Alterations in Female Mice. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	19
32	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
31	Network abnormalities and interneuron dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , <b>2016</b> , 17, 777-792	13.5	390
30	Nuclear pore complex remodeling by p75(NTR) cleavage controls TGF-β signaling and astrocyte functions. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1077-80	25.5	29
29	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
28	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
27	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
26	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
25	Amyloid-β/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
24	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
23	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

22	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
21	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
20	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
19	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
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	Epilepsy and cognitive impairments in Alzheimer disease. <i>Archives of Neurology</i> , <b>2009</b> , 66, 435-40		458
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	A network dysfunction perspective on neurodegenerative diseases. <i>Nature</i> , <b>2006</b> , 443, 768-73	50.4	489
7	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
6	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
5	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

4	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
3	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
2	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
1	Ketogenic diet or BHB improves epileptiform spikes, memory, survival in Alzheimer's model		1