

# Francisco Wandosell

## List of Publications by Citations

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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.

85  
papers

3,229  
citations

36  
h-index

54  
g-index

90  
ext. papers

3,584  
ext. citations

6.1  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
85	The neurite retraction induced by lysophosphatidic acid increases Alzheimer's disease-like Tau phosphorylation. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 37046-52	5.4	132
84	Glycosaminoglycans and beta-amyloid, prion and tau peptides in neurodegenerative diseases. <i>Peptides</i> , <b>2002</b> , 23, 1323-32	3.8	111
83	Characterization of a neurite outgrowth inhibitor expressed after CNS injury. <i>European Journal of Neuroscience</i> , <b>1993</b> , 5, 454-65	3.5	108
82	MAP1B is required for Netrin 1 signaling in neuronal migration and axonal guidance. <i>Current Biology</i> , <b>2004</b> , 14, 840-50	6.3	106
81	Prion peptide induces neuronal cell death through a pathway involving glycogen synthase kinase 3. <i>Biochemical Journal</i> , <b>2003</b> , 372, 129-36	3.8	100
80	Deconstructing GSK-3: The Fine Regulation of Its Activity. <i>International Journal of Alzheimer's Disease</i> , <b>2011</b> , 2011, 479249	3.7	97
79	A role of MAP1B in Reelin-dependent neuronal migration. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 1134-45	5.1	92
78	PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 443-53	25.5	91
77	Role of glycogen synthase kinase-3 in Alzheimer's disease pathogenesis and glycogen synthase kinase-3 inhibitors. <i>Expert Review of Neurotherapeutics</i> , <b>2010</b> , 10, 703-10	4.3	90
76	Cross-talk between estrogen receptors and insulin-like growth factor-I receptor in the brain: cellular and molecular mechanisms. <i>Frontiers in Neuroendocrinology</i> , <b>2006</b> , 27, 391-403	8.9	90
75	Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. <i>Journal of Neurobiology</i> , <b>2004</b> , 58, 48-59		87
74	GSK3 alpha and GSK3 beta are necessary for axon formation. <i>FEBS Letters</i> , <b>2007</b> , 581, 1579-86	3.8	86
73	Genes associated with adult axon regeneration promoted by olfactory ensheathing cells: a new role for matrix metalloproteinase 2. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 5347-59	6.6	85
72	WASP-interacting protein (WIP): working in polymerisation and much more. <i>Trends in Cell Biology</i> , <b>2007</b> , 17, 555-62	18.3	77
71	Impaired function of HDAC6 slows down axonal growth and interferes with axon initial segment development. <i>PLoS ONE</i> , <b>2010</b> , 5, e12908	3.7	74
70	Glycogen synthase kinase-3 is activated in neuronal cells by Galpha12 and Galpha13 by Rho-independent and Rho-dependent mechanisms. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 6863-75	6.6	71
69	Perinatal lethality of microtubule-associated protein 1B-deficient mice expressing alternative isoforms of the protein at low levels. <i>Molecular and Cellular Neurosciences</i> , <b>2000</b> , 16, 408-21	4.8	67

68	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 609-618	6	67
67	Estradiol activates beta-catenin dependent transcription in neurons. <i>PLoS ONE</i> , <b>2009</b> , 4, e5153	3.7	61
66	Adenylate cyclase 5 coordinates the action of ADP, P2Y1, P2Y13 and ATP-gated P2X7 receptors on axonal elongation. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 176-88	5.3	59
65	Interaction of estrogen receptors with insulin-like growth factor-I and Wnt signaling in the nervous system. <i>Steroids</i> , <b>2010</b> , 75, 565-9	2.8	59
64	Sulphated glycosaminoglycans prevent the neurotoxicity of a human prion protein fragment. <i>Biochemical Journal</i> , <b>1998</b> , 335 ( Pt 2), 369-74	3.8	58
63	Cancer stem cell-like phenotype and survival are coordinately regulated by Akt/FoxO/Bim pathway. <i>Stem Cells</i> , <b>2015</b> , 33, 646-60	5.8	55
62	Specific roles of Akt iso forms in apoptosis and axon growth regulation in neurons. <i>PLoS ONE</i> , <b>2012</b> , 7, e32715	3.7	55
61	Mutant p53 oncogenic functions in cancer stem cells are regulated by WIP through YAP/TAZ. <i>Oncogene</i> , <b>2017</b> , 36, 3515-3527	9.2	54
60	Neuronal and glial purinergic receptors functions in neuron development and brain disease. <i>Frontiers in Cellular Neuroscience</i> , <b>2013</b> , 7, 197	6.1	54
59	BDNF production by olfactory ensheathing cells contributes to axonal regeneration of cultured adult CNS neurons. <i>Neurochemistry International</i> , <b>2007</b> , 50, 491-8	4.4	52
58	Repeated intraperitoneal injections of liposomes containing phosphatidic acid and cardiolipin reduce amyloid- $\beta$ levels in APP/PS1 transgenic mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 421-30	6	51
57	Post-ischemic estradiol treatment reduced glial response and triggers distinct cortical and hippocampal signaling in a rat model of cerebral ischemia. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 157	10.1	49
56	A clonal cell line from immortalized olfactory ensheathing glia promotes functional recovery in the injured spinal cord. <i>Molecular Therapy</i> , <b>2006</b> , 13, 598-608	11.7	47
55	Functional recovery in a Friedreich's ataxia mouse model by frataxin gene transfer using an HSV-1 amplicon vector. <i>Molecular Therapy</i> , <b>2007</b> , 15, 1072-8	11.7	46
54	Thienylhalomethylketones: Irreversible glycogen synthase kinase 3 inhibitors as useful pharmacological tools. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 6914-25	3.4	44
53	The hunt for brain A $\beta$ oligomers by peripherally circulating multi-functional nanoparticles: Potential therapeutic approach for Alzheimer disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 43-52	6	40
52	ATP-P2X7 Receptor Modulates Axon Initial Segment Composition and Function in Physiological Conditions and Brain Injury. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 2282-94	5.1	39
51	Olfactory Ensheathing Glia: Drivers of Axonal Regeneration in the Central Nervous System?. <i>Journal of Biomedicine and Biotechnology</i> , <b>2002</b> , 2, 37-43		37

50	Immortalized olfactory ensheathing glia promote axonal regeneration of rat retinal ganglion neurons. <i>Journal of Neurochemistry</i> , <b>2003</b> , 85, 861-71	6	37
49	Expression of Presenilin 1 in nervous system during rat development. <i>Journal of Comparative Neurology</i> , <b>1999</b> , 410, 556-570	3.4	36
48	WIP Drives Tumor Progression through YAP/TAZ-Dependent Autonomous Cell Growth. <i>Cell Reports</i> , <b>2016</b> , 17, 1962-1977	10.6	34
47	Binding of microtubule-associated protein 1B to LIS1 affects the interaction between dynein and LIS1. <i>Biochemical Journal</i> , <b>2005</b> , 389, 333-41	3.8	33
46	Angiotensin II type-2 receptor stimulation induces neuronal VEGF synthesis after cerebral ischemia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1297-308	6.9	31
45	GSK3 and Eatenin determines functional expression of sodium channels at the axon initial segment. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 105-20	10.3	30
44	Assessment of Autophagy in Neurons and Brain Tissue. <i>Cells</i> , <b>2017</b> , 6,	7.9	28
43	Peripheral amyloid levels present gender differences associated with aging in APP/PS1 mice. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 44, 1063-8	4.3	28
42	Role of mTORC1 Controlling Proteostasis after Brain Ischemia. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 60	5.1	27
41	Role of Akt Isoforms Controlling Cancer Stem Cell Survival, Phenotype and Self-Renewal. <i>Biomedicines</i> , <b>2018</b> , 6,	4.8	27
40	Increasing neurite outgrowth capacity of beta-amyloid precursor protein proteoglycan in Alzheimer's disease. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 60, 87-97	4.4	27
39	Highly efficient and specific gene transfer to Purkinje cells in vivo using a herpes simplex virus I amplicon. <i>Human Gene Therapy</i> , <b>2002</b> , 13, 665-74	4.8	26
38	ImmunoPEGliposome-mediated reduction of blood and brain amyloid levels in a mouse model of Alzheimer's disease is restricted to aged animals. <i>Biomaterials</i> , <b>2017</b> , 112, 141-152	15.6	24
37	Stroke and Neuroinflammation: Role of Sexual Hormones. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 1334-49	4.3	23
36	Increased migration of olfactory ensheathing cells secreting the Nogo receptor ectodomain over inhibitory substrates and lesioned spinal cord. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 2719-37	10.3	22
35	Sex steroid hormones as neuroprotective elements in ischemia models. <i>Journal of Endocrinology</i> , <b>2018</b> , 237, R65-R81	4.7	22
34	WIP regulates persistence of cell migration and ruffle formation in both mesenchymal and amoeboid modes of motility. <i>PLoS ONE</i> , <b>2013</b> , 8, e70364	3.7	21
33	Estradiol and Progesterone Administration After pMCAO Stimulates the Neurological Recovery and Reduces the Detrimental Effect of Ischemia Mainly in Hippocampus. <i>Molecular Neurobiology</i> , <b>2015</b> , 52, 1690-1703	6.2	19

32	APP/PS1 Transgenic Mice Show Sex Differences in the Cerebellum Associated with Aging. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 54, 645-56	4.3	19
31	Ephrin-B1 promotes dendrite outgrowth on cerebellar granule neurons. <i>Molecular and Cellular Neurosciences</i> , <b>2002</b> , 20, 429-46	4.8	18
30	Secreted herpes simplex virus-2 glycoprotein G modifies NGF-TrkA signaling to attract free nerve endings to the site of infection. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004571	7.6	17
29	R-Ras1 and R-Ras2 Are Essential for Oligodendrocyte Differentiation and Survival for Correct Myelination in the Central Nervous System. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 5096-5110	6.6	17
28	High level of amyloid precursor protein expression in neurite-promoting olfactory ensheathing glia (OEG) and OEG-derived cell lines. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 71, 871-81	4.4	16
27	Cellular prion protein modulates $\beta$ amyloid deposition in aged APP/PS1 transgenic mice. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 2793-804	5.6	15
26	Myelin-associated proteins block the migration of olfactory ensheathing cells: an in vitro study using single-cell tracking and traction force microscopy. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 1689-703	10.3	15
25	Neurogenic effects of $\beta$ amyloid in the choroid plexus epithelial cells in Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 2787-97	10.3	14
24	WIP-YAP/TAZ as A New Pro-Oncogenic Pathway in Glioma. <i>Cancers</i> , <b>2018</b> , 10,	6.6	12
23	Nanoliposomes as a Therapeutic Tool for Alzheimer's Disease. <i>Frontiers in Synaptic Neuroscience</i> , <b>2020</b> , 12, 20	3.5	10
22	Dihydroceramide Desaturase 1 Inhibitors Reduce Amyloid- $\beta$ Levels in Primary Neurons from an Alzheimer's Disease Transgenic Model. <i>Pharmaceutical Research</i> , <b>2018</b> , 35, 49	4.5	9
21	Botulinum Neurotoxin Light Chains Expressed by Defective Herpes Simplex Virus Type-1 Vectors Cleave SNARE Proteins and Inhibit CGRP Release in Rat Sensory Neurons. <i>Toxins</i> , <b>2019</b> , 11,	4.9	8
20	Reticulon-4B/Nogo-B acts as a molecular linker between microtubules and actin cytoskeleton in vascular smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 1985-95	4.9	8
19	Amyloid precursor protein proteoglycan is increased after brain damage. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>1998</b> , 1406, 237-50	6.9	8
18	Integrating retroviral cassette extends gene delivery of HSV-1 expression vectors to dividing cells. <i>BioTechniques</i> , <b>2001</b> , 31, 394-402, 404-5	2.5	8
17	Secreted herpes simplex virus-2 glycoprotein G alters thermal pain sensitivity by modifying NGF effects on TRPV1. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 210	10.1	7
16	Class I PI3-kinase or Akt inhibition do not impair axonal polarization, but slow down axonal elongation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2574-2583	4.9	6
15	Oncogene-mediated tumor transformation sensitizes cells to autophagy induction. <i>Oncology Reports</i> , <b>2016</b> , 35, 3689-95	3.5	6

14	Crosstalk between WIP and Rho family GTPases. <i>Small GTPases</i> , <b>2020</b> , 11, 160-166	2.7	5
13	Neuritic complexity of hippocampal neurons depends on WIP-mediated mTORC1 and Abl family kinases activities. <i>Brain and Behavior</i> , <b>2015</b> , 5, e00359	3.4	4
12	AMPK activation does not enhance autophagy in neurons in contrast to MTORC1 inhibition: different impact on $\beta$ amyloid clearance. <i>Autophagy</i> , <b>2021</b> , 17, 656-671	10.2	4
11	Energy-Sensing Pathways in Ischemia: The Counterbalance Between AMPK and mTORC. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 4763-4770	3.3	3
10	R-Ras GTPases Signaling Role in Myelin Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
9	Ovarian Hormone-Dependent Effects of Dietary Lipids on APP/PS1 Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 346	5.3	3
8	WIP Modulates Oxidative Stress through NRF2/KEAP1 in Glioblastoma Cells. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	2
7	WIP, YAP/TAZ and Actin Connections Orchestrate Development and Transformation in the Central Nervous System. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 673986	5.7	2
6	Absence of R-Ras1 and R-Ras2 causes mitochondrial alterations that trigger axonal degeneration in a hypomyelinating disease model. <i>Glia</i> , <b>2021</b> , 69, 619-637	9	2
5	Diets with Higher $E6/E3$ Ratios Show Differences in Ceramides and Fatty Acid Levels Accompanied by Increased Amyloid-Beta in the Brains of Male APP/PS1 Transgenic Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
4	P1-071: Synergistic effect between chronic estrogen treatment and dha-enriched diet on A $\beta$ burden in APPswe/PSEN1 $\Delta E9$ mice <b>2015</b> , 11, P365-P365		
3	Centro de Biología Molecular "Severo Ochoa": a center for basic research into Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 21, 325-35	4.3	
2	Role of GSK-3/Shaggy in Neuronal Cell Biology45-60		
1	Cancer cell development, migratory response, and the role of the tumor microenvironment in invasion and metastasis <b>2022</b> , 245-270		