

Francisco Wandosell

List of Publications by Year in descending order

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90
papers

3,948
citations

94433

37
h-index

128289

60
g-index

90
all docs

90
docs citations

90
times ranked

6116
citing authors

#	ARTICLE	IF	CITATIONS
1	The Neurite Retraction Induced by Lysophosphatidic Acid Increases Alzheimer's Disease-like Tau Phosphorylation. <i>Journal of Biological Chemistry</i> , 1999, 274, 37046-37052.	3.4	155
2	Glycosaminoglycans and β -amyloid, prion and tau peptides in neurodegenerative diseases. <i>Peptides</i> , 2002, 23, 1323-1332.	2.4	121
3	MAP1B Is Required for Netrin 1 Signaling in Neuronal Migration and Axonal Guidance. <i>Current Biology</i> , 2004, 14, 840-850.	3.9	121
4	PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. <i>Nature Neuroscience</i> , 2016, 19, 443-453.	14.8	118
5	Characterization of a Neurite Outgrowth Inhibitor Expressed After CNS Injury. <i>European Journal of Neuroscience</i> , 1993, 5, 454-465.	2.6	115
6	Deconstructing GSK-3: The Fine Regulation of Its Activity. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-12.	2.0	113
7	A role of MAP1B in Reelin-dependent Neuronal Migration. <i>Cerebral Cortex</i> , 2005, 15, 1134-1145.	2.9	111
8	Role of glycogen synthase kinase-3 in Alzheimer's disease pathogenesis and glycogen synthase kinase-3 inhibitors. <i>Expert Review of Neurotherapeutics</i> , 2010, 10, 703-710.	2.8	111
9	Prion peptide induces neuronal cell death through a pathway involving glycogen synthase kinase 3. <i>Biochemical Journal</i> , 2003, 372, 129-136.	3.7	110
10	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 609-618.	3.3	109
11	Cross-talk between estrogen receptors and insulin-like growth factor-I receptor in the brain: Cellular and molecular mechanisms. <i>Frontiers in Neuroendocrinology</i> , 2006, 27, 391-403.	5.2	100
12	Genes Associated with Adult Axon Regeneration Promoted by Olfactory Ensheathing Cells: A New Role for Matrix Metalloproteinase 2. <i>Journal of Neuroscience</i> , 2006, 26, 5347-5359.	3.6	97
13	GSK3 alpha and GSK3 beta are necessary for axon formation. <i>FEBS Letters</i> , 2007, 581, 1579-1586.	2.8	96
14	Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. <i>Journal of Neurobiology</i> , 2004, 58, 48-59.	3.6	94
15	WASP-interacting protein (WIP): working in polymerisation and much more. <i>Trends in Cell Biology</i> , 2007, 17, 555-562.	7.9	85
16	Impaired Function of HDAC6 Slows Down Axonal Growth and Interferes with Axon Initial Segment Development. <i>PLoS ONE</i> , 2010, 5, e12908.	2.5	81
17	Perinatal Lethality of Microtubule-Associated Protein 1B-Deficient Mice Expressing Alternative Isoforms of the Protein at Low Levels. <i>Molecular and Cellular Neurosciences</i> , 2000, 16, 408-421.	2.2	76
18	Glycogen Synthase Kinase-3 Is Activated in Neuronal Cells by G_{12} and G_{13} by Rho-Independent and Rho-Dependent Mechanisms. <i>Journal of Neuroscience</i> , 2002, 22, 6863-6875.	3.6	76

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19	Neuronal and glial purinergic receptors functions in neuron development and brain disease. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 197.	3.7	72
20	Adenylate cyclase 5 coordinates the action of ADP, P2Y1, P2Y13 and ATP-gated P2X7 receptors on axonal elongation. <i>Journal of Cell Science</i> , 2012, 125, 176-188.	2.0	71
21	Estradiol Activates β -Catenin Dependent Transcription in Neurons. <i>PLoS ONE</i> , 2009, 4, e5153.	2.5	71
22	Mutant p53 oncogenic functions in cancer stem cells are regulated by WIP through YAP/TAZ. <i>Oncogene</i> , 2017, 36, 3515-3527.	5.9	69
23	Repeated intraperitoneal injections of liposomes containing phosphatidic acid and cardiolipin reduce amyloid- β levels in APP/PS1 transgenic mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 421-430.	3.3	68
24	BDNF production by olfactory ensheathing cells contributes to axonal regeneration of cultured adult CNS neurons. <i>Neurochemistry International</i> , 2007, 50, 491-498.	3.8	65
25	Interaction of estrogen receptors with insulin-like growth factor-I and Wnt signaling in the nervous system. <i>Steroids</i> , 2010, 75, 565-569.	1.8	64
26	Specific Roles of Akt iso Forms in Apoptosis and Axon Growth Regulation in Neurons. <i>PLoS ONE</i> , 2012, 7, e32715.	2.5	64
27	Cancer Stem Cell-Like Phenotype and Survival Are Coordinately Regulated by Akt/FoxO/Bim Pathway. <i>Stem Cells</i> , 2015, 33, 646-660.	3.2	64
28	Sulphated glycosaminoglycans prevent the neurotoxicity of a human prion protein fragment. <i>Biochemical Journal</i> , 1998, 335, 369-374.	3.7	61
29	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> , 2012, 9, 157.	7.2	58
30	Functional Recovery in a Friedreich's Ataxia Mouse Model by Frataxin Gene Transfer Using an HSV-1 Amplicon Vector. <i>Molecular Therapy</i> , 2007, 15, 1072-1078.	8.2	52
31	ATP-P2X7 Receptor Modulates Axon Initial Segment Composition and Function in Physiological Conditions and Brain Injury. <i>Cerebral Cortex</i> , 2015, 25, 2282-2294.	2.9	52
32	A clonal cell line from immortalized olfactory ensheathing glia promotes functional recovery in the injured spinal cord. <i>Molecular Therapy</i> , 2006, 13, 598-608.	8.2	49
33	Thienylhalomethylketones: Irreversible glycogen synthase kinase 3 inhibitors as useful pharmacological tools. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6914-6925.	3.0	49
34	The hunt for brain A β oligomers by peripherally circulating multi-functional nanoparticles: Potential therapeutic approach for Alzheimer disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 43-52.	3.3	46
35	Olfactory Ensheathing Glia: Drivers of Axonal Regeneration in the Central Nervous System?. <i>Journal of Biomedicine and Biotechnology</i> , 2002, 2, 37-43.	3.0	44
36	WIP Drives Tumor Progression through YAP/TAZ-Dependent Autonomous Cell Growth. <i>Cell Reports</i> , 2016, 17, 1962-1977.	6.4	44

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37	Assessment of Autophagy in Neurons and Brain Tissue. <i>Cells</i> , 2017, 6, 25.	4.1	41
38	Immortalized olfactory ensheathing glia promote axonal regeneration of rat retinal ganglion neurons. <i>Journal of Neurochemistry</i> , 2003, 85, 861-871.	3.9	40
39	A β PP/PS1 Transgenic Mice Show Sex Differences in the Cerebellum Associated with Aging. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 645-656.	2.6	40
40	Binding of microtubule-associated protein 1B to LIS1 affects the interaction between dynein and LIS1. <i>Biochemical Journal</i> , 2005, 389, 333-341.	3.7	38
41	Role of Akt Isoforms Controlling Cancer Stem Cell Survival, Phenotype and Self-Renewal. <i>Biomedicines</i> , 2018, 6, 29.	3.2	38
42	Expression of Presenilin 1 in nervous system during rat development. <i>Journal of Comparative Neurology</i> , 1999, 410, 556-570.	1.6	37
43	Angiotensin II type-2 receptor stimulation induces neuronal VEGF synthesis after cerebral ischemia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1297-1308.	3.8	37
44	Role of mTORC1 Controlling Proteostasis after Brain Ischemia. <i>Frontiers in Neuroscience</i> , 2018, 12, 60.	2.8	37
45	Peripheral Amyloid Levels Present Gender Differences Associated with Aging in A β PP/PS1 Mice. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1063-1068.	2.6	34
46	GSK3 and β -catenin determines functional expression of sodium channels at the axon initial segment. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 105-120.	5.4	33
47	Sex steroid hormones as neuroprotective elements in ischemia models. <i>Journal of Endocrinology</i> , 2018, 237, R65-R81.	2.6	33
48	Increasing neurite outgrowth capacity of β -amyloid precursor protein proteoglycan in Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2000, 60, 87-97.	2.9	32
49	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> , 2017, 112, 141-152.	11.4	32
50	Stroke and Neuroinflammation: Role of Sexual Hormones. <i>Current Pharmaceutical Design</i> , 2016, 22, 1334-1349.	1.9	31
51	Highly Efficient and Specific Gene Transfer to Purkinje Cells In Vivo Using a Herpes Simplex Virus 1 Amplicon. <i>Human Gene Therapy</i> , 2002, 13, 665-674.	2.7	30
52	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> , 2015, 72, 2719-2737.	5.4	29
53	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> , 2018, 38, 5096-5110.	3.6	27
54	AMPK activation does not enhance autophagy in neurons in contrast to mTORC1 inhibition: different impact on β -amyloid clearance. <i>Autophagy</i> , 2021, 17, 656-671.	9.1	26

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55	Nanoliposomes as a Therapeutic Tool for Alzheimer's Disease. <i>Frontiers in Synaptic Neuroscience</i> , 2020, 12, 20.	2.5	24
56	WIP Regulates Persistence of Cell Migration and Ruffle Formation in Both Mesenchymal and Amoeboid Modes of Motility. <i>PLoS ONE</i> , 2013, 8, e70364.	2.5	23
57	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> , 2015, 11, e1004571.	4.7	23
58	Amyloid- β impairs mitochondrial dynamics and autophagy in Alzheimer's disease experimental models. <i>Scientific Reports</i> , 2022, 12, .	3.3	22
59	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> , 2003, 71, 871-881.	2.9	21
60	Estradiol and Progesterone Administration After pMCAO Stimulates the Neurological Recovery and Reduces the Detrimental Effect of Ischemia Mainly in Hippocampus. <i>Molecular Neurobiology</i> , 2015, 52, 1690-1703.	4.0	21
61	Ephrin-B1 Promotes Dendrite Outgrowth on Cerebellar Granule Neurons. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 429-446.	2.2	19
62	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> , 2012, 69, 1689-1703.	5.4	18
63	R-Ras GTPases Signaling Role in Myelin Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5911.	4.1	18
64	Neurogenic effects of β -amyloid in the choroid plexus epithelial cells in Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2787-2797.	5.4	17
65	Cellular prion protein modulates β -amyloid deposition in aged APP/PS1 transgenic mice. <i>Neurobiology of Aging</i> , 2013, 34, 2793-2804.	3.1	17
66	WIP-YAP/TAZ as A New Pro-Oncogenic Pathway in Glioma. <i>Cancers</i> , 2018, 10, 191.	3.7	17
67	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> , 2019, 11, 123.	3.4	15
68	Dihydroceramide Desaturase 1 Inhibitors Reduce Amyloid- β Levels in Primary Neurons from an Alzheimer's Disease Transgenic Model. <i>Pharmaceutical Research</i> , 2018, 35, 49.	3.5	14
69	Secreted herpes simplex virus-2 glycoprotein G alters thermal pain sensitivity by modifying NGF effects on TRPV1. <i>Journal of Neuroinflammation</i> , 2016, 13, 210.	7.2	12
70	Amyloid precursor protein proteoglycan is increased after brain damage. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1998, 1406, 237-250.	3.8	11
71	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> , 2016, 1863, 1985-1995.	4.1	11
72	Pathways Involved in Remyelination after Cerebral Ischemia. <i>Current Neuropharmacology</i> , 2022, 20, 751-765.	2.9	11

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73	Integrating Retroviral Cassette Extends Gene Delivery of HSV-1 Expression Vectors to Dividing Cells. <i>BioTechniques</i> , 2001, 31, 394-405.	1.8	8
74	Oncogene-mediated tumor transformation sensitizes cells to autophagy induction. <i>Oncology Reports</i> , 2016, 35, 3689-3695.	2.6	7
75	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> , 2016, 1863, 2574-2583.	4.1	7
76	Crosstalk between WIP and Rho family GTPases. <i>Small GTPases</i> , 2020, 11, 1-7.	1.6	7
77	Absence of Râ€Ras1 and Râ€Ras2 causes mitochondrial alterations that trigger axonal degeneration in a hypomyelinating disease model. <i>Glia</i> , 2021, 69, 619-637.	4.9	6
78	Neuritic complexity of hippocampal neurons depends on WIP â€mediated mTORC 1 and Abl family kinases activities. <i>Brain and Behavior</i> , 2015, 5, e00359.	2.2	5
79	WIP, YAP/TAZ and Actin Connections Orchestrate Development and Transformation in the Central Nervous System. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 673986.	3.7	5
80	Trehalose Reduces the Secreted Beta-Amyloid Levels in Primary Neurons Independently of Autophagy Induction. <i>Metabolites</i> , 2021, 11, 421.	2.9	5
81	Energy-Sensing Pathways in Ischemia: The Counterbalance Between AMPK and mTORC. <i>Current Pharmaceutical Design</i> , 2020, 25, 4763-4770.	1.9	5
82	WIP Modulates Oxidative Stress through NRF2/KEAP1 in Glioblastoma Cells. <i>Antioxidants</i> , 2020, 9, 773.	5.1	4
83	Diets with Higher Î‰-6/Î‰-3 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> , 2021, 22, 10907.	4.1	4
84	Ovarian Hormone-Dependent Effects of Dietary Lipids on APP/PS1 Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 346.	3.4	3
85	R-Ras1 and R-Ras2 Expression in Anatomical Regions and Cell Types of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 978.	4.1	1
86	Role of GSK-3/Shaggy in Neuronal Cell Biology. , 0, , 45-60.		0
87	412. A Novel Friedreich's Ataxia Model and In Vivo Gene Rescue Using HSV-1 Amplicon Vectors in Transgenic Mice. <i>Molecular Therapy</i> , 2006, 13, S158.	8.2	0
88	Centro de Biología Molecular â€Severo Ochoaâ€: A Center for Basic Research into Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 325-335.	2.6	0
89	P1-071: Synergistic effect between chronic estrogen treatment and dha-enriched diet on AÎ² burden in APPswe/PSEN1 ^{e9} mice. , 2015, 11, P365-P365.		0
90	Cancer cell development, migratory response, and the role of the tumor microenvironment in invasion and metastasis. , 2022, , 245-270.		0