

Jaume Folch

List of Publications by Year in descending order

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96
papers

3,581
citations

136950

32
h-index

155660

55
g-index

97
all docs

97
docs citations

97
times ranked

6003
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-drug loaded nanoparticles of Epigallocatechin-3-gallate (EGCG)/Ascorbic acid enhance therapeutic efficacy of EGCG in a APPswe/PS1dE9 Alzheimer's disease mice model. <i>Journal of Controlled Release</i> , 2019, 301, 62-75.	9.9	207
2	Current Research Therapeutic Strategies for Alzheimer's Disease Treatment. <i>Neural Plasticity</i> , 2016, 2016, 1-15.	2.2	200
3	Early alterations in energy metabolism in the hippocampus of APPswe/PS1dE9 mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1556-1566.	3.8	161
4	High-fat diet-induced deregulation of hippocampal insulin signaling and mitochondrial homeostasis deficiencies contribute to Alzheimer disease pathology in rodents. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1687-1699.	3.8	134
5	Involvement of Calpain Activation in Neurodegenerative Processes. <i>CNS Neuroscience & Therapeutics</i> , 2006, 12, 135-148.	4.0	117
6	Role of Cell Cycle Re-Entry in Neurons: A Common Apoptotic Mechanism of Neuronal Cell Death. <i>Neurotoxicity Research</i> , 2012, 22, 195-207.	2.7	117
7	The role of CDK5/P25 formation/inhibition in neurodegeneration. <i>Drug News and Perspectives</i> , 2006, 19, 453.	1.5	115
8	Circulating nerve growth factor levels in relation to obesity and the metabolic syndrome in women. <i>European Journal of Endocrinology</i> , 2007, 157, 303-310.	3.7	110
9	Modulation of SIRT1 expression in different neurodegenerative models and human pathologies. <i>Neuroscience</i> , 2008, 154, 1388-1397.	2.3	106
10	Comparative analysis of the effects of resveratrol in two apoptotic models: Inhibition of complex I and potassium deprivation in cerebellar neurons. <i>Neuroscience</i> , 2007, 147, 746-756.	2.3	96
11	Long-term exposition to a high fat diet favors the appearance of β -amyloid depositions in the brain of C57BL/6J mice. A potential model of sporadic Alzheimer's disease. <i>Mechanisms of Ageing and Development</i> , 2017, 162, 38-45.	4.6	79
12	Understanding the Role of Hypoxia Inducible Factor During Neurodegeneration for New Therapeutics Opportunities. <i>Current Neuropharmacology</i> , 2018, 16, 1484-1498.	2.9	73
13	Una revisi3n de los avances en la terap3utica de la enfermedad de Alzheimer: estrategia frente a la prote3na β -amiloide. <i>Neurolog3a</i> , 2018, 33, 47-58.	0.7	70
14	Inhibition of the cdk5/p25 fragment formation may explain the antiapoptotic effects of melatonin in an experimental model of Parkinson's disease. <i>Journal of Pineal Research</i> , 2006, 40, 251-258.	7.4	68
15	Sirtuin activators: Designing molecules to extend life span. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2010, 1799, 740-749.	1.9	67
16	New potential strategies for Alzheimer's disease prevention: pegylated biodegradable dexibuprofen nanospheres administration to APPswe/PS1dE9. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1171-1182.	3.3	64
17	Masitinib for the treatment of mild to moderate Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 587-596.	2.8	63
18	Epigallocatechin-3-gallate loaded PEGylated-PLGA nanoparticles: A new anti-seizure strategy for temporal lobe epilepsy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1073-1085.	3.3	60

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19	Inhibition of hepatic cell nuclear DNA fragmentation by zinc in carbon tetrachloride-treated rats. <i>Journal of Hepatology</i> , 1999, 31, 228-234.	3.7	55
20	Evidence in favour of a role for peripheral-type benzodiazepine receptor ligands in amplification of neuronal apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 91-104.	4.9	52
21	The antiproliferative activity of melatonin in B65 rat dopaminergic neuroblastoma cells is related to the downregulation of cell cycle-related genes. <i>Journal of Pineal Research</i> , 2008, 45, 8-16.	7.4	52
22	Epigallocatechin-3-Gallate (EGCG) Improves Cognitive Deficits Aggravated by an Obesogenic Diet Through Modulation of Unfolded Protein Response in APP ^{swe} /PS1 ^{dE9} Mice. <i>Molecular Neurobiology</i> , 2020, 57, 1814-1827.	4.0	51
23	Lithium Treatment Decreases Activities of Tau Kinases in a Murine Model of Senescence. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 612-623.	1.7	49
24	Neuroprotective and anti-ageing role of leptin. <i>Journal of Molecular Endocrinology</i> , 2012, 49, R149-R156.	2.5	49
25	Antiapoptotic Drugs: A Therapeutic Strategy for the Prevention of Neurodegenerative Diseases. <i>Current Pharmaceutical Design</i> , 2011, 17, 230-245.	1.9	48
26	Evaluation of Neuropathological Effects of a High-Fat Diet in a Presymptomatic Alzheimer's Disease Stage in APP/PS1 Mice. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 233-251.	2.6	46
27	Neuroprotective role of intermittent fasting in senescence-accelerated mice P8 (SAMP8). <i>Experimental Gerontology</i> , 2010, 45, 702-710.	2.8	42
28	Oxidative stress-induced DNA damage and cell cycle regulation in B65 dopaminergic cell line. <i>Free Radical Research</i> , 2009, 43, 985-994.	3.3	41
29	Evaluation of hypoxia inducible factor expression in inflammatory and neurodegenerative brain models. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1377-1388.	2.8	40
30	The Involvement of Peripheral and Brain Insulin Resistance in Late Onset Alzheimer's Dementia. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 236.	3.4	40
31	Resveratrol Inhibits Proliferation and Promotes Apoptosis of Neuroblastoma Cells: Role of Sirtuin 1. <i>Neurochemical Research</i> , 2011, 36, 187-194.	3.3	36
32	Dexibuprofen prevents neurodegeneration and cognitive decline in APP ^{swe} /PS1 ^{dE9} through multiple signaling pathways. <i>Redox Biology</i> , 2017, 13, 345-352.	9.0	36
33	Parameters related to oxygen free radicals in erythrocytes, plasma and epidermis of the hairless rat. <i>Life Sciences</i> , 2002, 71, 1739-1749.	4.3	34
34	The role of leptin in the sporadic form of Alzheimer's disease. Interactions with the adipokines amylin, ghrelin and the pituitary hormone prolactin. <i>Life Sciences</i> , 2015, 140, 19-28.	4.3	34
35	Neuroprotective effects of caffeine against complex I inhibition-induced apoptosis are mediated by inhibition of the Atm/p53/E2F1 path in cerebellar granule neurons. <i>Journal of Neuroscience Research</i> , 2007, 85, 3079-3088.	2.9	33
36	Glycogen synthase kinase-3 is involved in the regulation of the cell cycle in cerebellar granule cells. <i>Neuropharmacology</i> , 2007, 53, 295-307.	4.1	32

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37	Effects of Nutrition on Cognitive Function in Adults with or without Cognitive Impairment: A Systematic Review of Randomized Controlled Clinical Trials. <i>Nutrients</i> , 2021, 13, 3728.	4.1	32
38	Mavoglurant as a treatment for Parkinson's disease. <i>Expert Opinion on Investigational Drugs</i> , 2014, 23, 1165-1179.	4.1	31
39	Oxidative Stress-Related Markers and Langerhans Cells in a Hairless Rat Model Exposed to UV Radiation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 69, 1371-1385.	2.3	30
40	Neuroprotection by c-Jun NH2-terminal kinase inhibitor SP600125 against potassium deprivation-induced apoptosis involves the Akt pathway and inhibition of cell cycle reentry. <i>Neuroscience</i> , 2009, 159, 1135-1147.	2.3	30
41	PI3 k/akt inhibition induces apoptosis through p38 activation in neurons. <i>Pharmacological Research</i> , 2013, 70, 116-125.	7.1	29
42	Differences in activation of ERK1/2 and p38 kinase in <i>Jnk3</i> null mice following KA treatment. <i>Journal of Neurochemistry</i> , 2010, 114, 1315-1322.	3.9	28
43	JNK1 inhibition by Licochalcone A leads to neuronal protection against excitotoxic insults derived of kainic acid. <i>Neuropharmacology</i> , 2018, 131, 440-452.	4.1	28
44	Melatonin suppresses nitric oxide production in glial cultures by pro-inflammatory cytokines through p38 MAPK inhibition. <i>Free Radical Research</i> , 2014, 48, 119-128.	3.3	24
45	Peripheral and Central Effects of Memantine in a Mixed Preclinical Mice Model of Obesity and Familial Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2018, 55, 7327-7339.	4.0	24
46	Metallothionein Expression in Human Lung and its Varying Levels After Lung Transplantation. <i>Chest</i> , 1998, 113, 371-378.	0.8	23
47	Inhibition of Ataxia Telangiectasia-p53-E2F-1 Pathway in Neurons as a Target for the Prevention of Neuronal Apoptosis. <i>Current Drug Metabolism</i> , 2007, 8, 709-715.	1.2	23
48	Hepatic Metallothionein in Patients With Chronic Hepatitis C: Relationship With Severity of Liver Disease and Response To Treatment. <i>American Journal of Gastroenterology</i> , 2003, 98, 1142-1149.	0.4	22
49	A molecular study of pathways involved in the inhibition of cell proliferation in neuroblastoma B65 cells by the GSK-3 inhibitors lithium and SB415286. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3906-3917.	3.6	21
50	Evaluation of pathways involved in pentachlorophenol-induced apoptosis in rat neurons. <i>NeuroToxicology</i> , 2009, 30, 451-458.	3.0	21
51	Activation of ataxia telangiectasia muted under experimental models and human Parkinson's disease. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3865-3882.	5.4	21
52	An overview of investigational antiapoptotic drugs with potential application for the treatment of neurodegenerative disorders. <i>Expert Opinion on Investigational Drugs</i> , 2010, 19, 587-604.	4.1	21
53	Early Preclinical Changes in Hippocampal CREB-Binding Protein Expression in a Mouse Model of Familial Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2018, 55, 4885-4895.	4.0	21
54	Ageing biology: a new frontier for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2012, 7, 217-229.	5.0	20

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55	Neuroprotective Effects of the Absence of JNK1 or JNK3 Isoforms on Kainic Acid-Induced Temporal Lobe Epilepsy-Like Symptoms. <i>Molecular Neurobiology</i> , 2018, 55, 4437-4452.	4.0	20
56	JNK Isoforms Are Involved in the Control of Adult Hippocampal Neurogenesis in Mice, Both in Physiological Conditions and in an Experimental Model of Temporal Lobe Epilepsy. <i>Molecular Neurobiology</i> , 2019, 56, 5856-5865.	4.0	20
57	Neuroprotective effects of SB415286 on hydrogen peroxide-induced cell death in B65 rat neuroblastoma cells and neurons. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 269-276.	1.6	19
58	Hypercholesterolemia and neurodegeneration. Comparison of hippocampal phenotypes in LDLr knockout and APP ^{swE} /PS1 ^{dE9} mice. <i>Experimental Gerontology</i> , 2015, 65, 69-78.	2.8	19
59	Adipokine pathways are altered in hippocampus of an experimental mouse model of Alzheimer's disease. <i>Journal of Nutrition, Health and Aging</i> , 2015, 19, 403-412.	3.3	19
60	Evaluation of the Role of JNK1 in the Hippocampus in an Experimental Model of Familial Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016, 53, 6183-6193.	4.0	19
61	A metabolic perspective of late onset Alzheimer's disease. <i>Pharmacological Research</i> , 2019, 145, 104255.	7.1	19
62	Role of c-Jun N-Terminal Kinases (JNKs) in Epilepsy and Metabolic Cognitive Impairment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 255.	4.1	18
63	Epigallocatechin-3-gallate PEGylated poly(lactic-co-glycolic) acid nanoparticles mitigate striatal pathology and motor deficits in 3-nitropropionic acid intoxicated mice. <i>Nanomedicine</i> , 2021, 16, 19-35.	3.3	18
64	The p38MAPK signaling pathway regulates neuronal apoptosis through the phosphorylation of the retinoblastoma protein. <i>Neurochemistry International</i> , 2009, 54, 99-105.	3.8	15
65	Evaluation of transcriptional activity of caspase-3 gene as a marker of acute neurotoxicity in rat cerebellar granular cells. <i>Toxicology in Vitro</i> , 2010, 24, 465-471.	2.4	15
66	GSK3 β inhibition is involved in the neuroprotective effects of cyclin-dependent kinase inhibitors in neurons. <i>Pharmacological Research</i> , 2012, 65, 66-73.	7.1	15
67	Anti-inflammatory role of Leptin in glial cells through p38 MAPK pathway inhibition. <i>Pharmacological Reports</i> , 2017, 69, 409-418.	3.3	15
68	Prosurvival role of JAK/STAT and Akt signaling pathways in MPP ⁺ -induced apoptosis in neurons. <i>Neurochemistry International</i> , 2010, 57, 774-782.	3.8	14
69	Gene expression profile in JNK3 null mice: a novel specific activation of the PI3K/AKT pathway. <i>Journal of Neurochemistry</i> , 2011, 117, 244-252.	3.9	14
70	Masitinib for the treatment of Alzheimer's disease. <i>Neurodegenerative Disease Management</i> , 2021, 11, 263-276.	2.2	14
71	Metabolic Basis of Sporadic Alzheimer's Disease. Role of Hormones Related to Energy Metabolism. <i>Current Pharmaceutical Design</i> , 2013, 19, 6739-6748.	1.9	14
72	Pharmacological Strategies to Improve Dendritic Spines in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 82, S91-S107.	2.6	13

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73	Evaluation of acute antiapoptotic effects of Li ⁺ in neuronal cell cultures. <i>Journal of Neural Transmission</i> , 2007, 114, 405-416.	2.8	12
74	GSK-3 β inhibition and prevention of mitochondrial apoptosis inducing factor release are not involved in the antioxidant properties of SB-415286. <i>European Journal of Pharmacology</i> , 2008, 588, 239-243.	3.5	12
75	Study of the pathways involved in apoptosis induced by PI3K inhibition in cerebellar granule neurons. <i>Neurochemistry International</i> , 2011, 59, 159-167.	3.8	12
76	Inhibition of Multiple Pathways Accounts for the Antiapoptotic Effects of Flavopiridol on Potassium Withdrawal-Induced Apoptosis in Neurons. <i>Journal of Molecular Neuroscience</i> , 2005, 26, 071-084.	2.3	11
77	DNA low-density array analysis of colchicine neurotoxicity in rat cerebellar granular neurons. <i>NeuroToxicology</i> , 2008, 29, 309-317.	3.0	11
78	Antiapoptotic effects of roscovitine on camptothecin-induced DNA damage in neuroblastoma cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 536-550.	4.9	11
79	ATM is involved in cell cycle control through the regulation of retinoblastoma protein phosphorylation. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 210-218.	2.6	10
80	Effects of MPP ⁺ on the molecular pathways involved in cell cycle control in B65 neuroblastoma cells. <i>Pharmacological Research</i> , 2010, 61, 391-399.	7.1	10
81	The Ethyl Acetate Extract of Leaves of <i>Ugni molinae</i> Turcz. Improves Neuropathological Hallmarks of Alzheimer's Disease in Female APP ^{swe} /PS1 ^{dE9} Mice Fed with a High Fat Diet. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1175-1191.	2.6	10
82	c-Jun N-terminal Kinase 1 ablation protects against metabolic-induced hippocampal cognitive impairments. <i>Journal of Molecular Medicine</i> , 2019, 97, 1723-1733.	3.9	10
83	Lack of Jun N-terminal kinase 3 (JNK3) does not protect against neurodegeneration induced by β -nitropropionic acid. <i>Neuropathology and Applied Neurobiology</i> , 2012, 38, 311-321.	3.2	9
84	Mice Lacking Functional Fas Death Receptors Are Protected from Kainic Acid-Induced Apoptosis in the Hippocampus. <i>Molecular Neurobiology</i> , 2015, 52, 120-129.	4.0	9
85	Dexibuprofen ameliorates peripheral and central risk factors associated with Alzheimer's disease in metabolically stressed APP ^{swe} /PS1 ^{dE9} mice. <i>Cell and Bioscience</i> , 2021, 11, 141.	4.8	7
86	Role of brain c-Jun N-terminal kinase 2 in the control of the insulin receptor and its relationship with cognitive performance in a high-fat diet preclinical model. <i>Journal of Neurochemistry</i> , 2019, 149, 255-268.	3.9	6
87	The preclinical discovery and development of opicapone for the treatment of Parkinson's disease. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 993-1003.	5.0	5
88	Solid Electrolyte Multisensor System for Detecting O ₂ , CO, and NO ₂ . <i>Journal of the Electrochemical Society</i> , 2007, 154, J201.	2.9	3
89	p21 ^{WAF1/Cip1} is not involved in kainic acid-induced apoptosis in murine cerebellar granule cells. <i>Brain Research</i> , 2004, 1030, 297-302.	2.2	2
90	JNK1 and JNK3: divergent functions in hippocampal metabolic-cognitive function. <i>Molecular Medicine</i> , 2022, 28, 48.	4.4	2

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91	Peroxisomal Proliferator-Activated Receptor α^2/α^1 Deficiency Induces Cognitive Alterations. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	2
92	GSPE pre-treatment protects against long-term cafeteria diet-induced mitochondrial and inflammatory affectations in the hippocampus of rats. <i>Nutritional Neuroscience</i> , 2022, 25, 2627-2637.	3.1	1
93	Hepatic metallothionein in patients with chronic hepatitis C relationship with severity of liver disease and response to treatment. <i>American Journal of Gastroenterology</i> , 2003, 98, 1142-1149.	0.4	0
94	Construction and Test of a Multisensor Device Including a High-Sensitivity NO ₂ Sensing Module. <i>Sensor Letters</i> , 2008, 6, 1045-1048.	0.4	0
95	Cell Cycle Control by Ataxia Telangiectasia Mutated Protein Through Regulating Retinoblastoma Protein Phosphorylation. , 2012, , 103-115.		0
96	EPIGALLOGATECHIN-3-GALLATE IMPROVES COGNITIVE DECLINE AND METABOLIC ALTERATIONS IN APP/PS1 FAMILIAL MODEL OF ALZHEIMER'S DISEASE FED WITH HIGH FAT DIET. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-32.	0.0	0