

Joaquin Jordan

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121
papers

6,014
citations

40
h-index

76
g-index

141
ext. papers

6,370
ext. citations

5.2
avg. IF

5.23
L-index

#	Paper	IF	Citations
121	The PI 3-kinase/Akt signaling pathway delivers an anti-apoptotic signal. <i>Genes and Development</i> , 1997 , 11, 701-13	12.6	874
120	Superoxide production in rat hippocampal neurons: selective imaging with hydroethidine. <i>Journal of Neuroscience</i> , 1996 , 16, 1324-36	6.6	742
119	Mutant superoxide dismutase-1-linked familial amyotrophic lateral sclerosis: molecular mechanisms of neuronal death and protection. <i>Journal of Neuroscience</i> , 1997 , 17, 8756-66	6.6	181
118	Isoform-specific effect of apolipoprotein E on cell survival and beta-amyloid-induced toxicity in rat hippocampal pyramidal neuronal cultures. <i>Journal of Neuroscience</i> , 1998 , 18, 195-204	6.6	162
117	Mitochondrial dysfunction is involved in apoptosis induced by serum withdrawal and fatty acids in the beta-cell line INS-1. <i>Endocrinology</i> , 2003 , 144, 335-45	4.8	161
116	p53 expression induces apoptosis in hippocampal pyramidal neuron cultures. <i>Journal of Neuroscience</i> , 1997 , 17, 1397-405	6.6	149
115	Role of calpain- and interleukin-1 beta converting enzyme-like proteases in the beta-amyloid-induced death of rat hippocampal neurons in culture. <i>Journal of Neurochemistry</i> , 1997 , 68, 1612-21	6	146
114	Protective effect of transforming growth factor-beta 1 on beta-amyloid neurotoxicity in rat hippocampal neurons. <i>Molecular Pharmacology</i> , 1996 , 49, 319-28	4.3	131
113	6-Hydroxydopamine (6-OHDA) induces Drp1-dependent mitochondrial fragmentation in SH-SY5Y cells. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1960-9	7.8	128
112	Reactive oxygen species and p38 mitogen-activated protein kinase activate Bax to induce mitochondrial cytochrome c release and apoptosis in response to malonate. <i>Molecular Pharmacology</i> , 2007 , 71, 736-43	4.3	120
111	6-Hydroxydopamine activates the mitochondrial apoptosis pathway through p38 MAPK-mediated, p53-independent activation of Bax and PUMA. <i>Journal of Neurochemistry</i> , 2008 , 104, 1599-612	6	108
110	Ca ²⁺ and reactive oxygen species in staurosporine-induced neuronal apoptosis. <i>Journal of Neurochemistry</i> , 1997 , 68, 1679-85	6	106
109	Regulation of excitatory transmission at hippocampal synapses by calbindin D28k. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5144-8	11.5	104
108	Nitric oxide and superoxide, a deadly cocktail. <i>Annals of the New York Academy of Sciences</i> , 2002 , 962, 207-11	6.5	101
107	Glitazones differentially regulate primary astrocyte and glioma cell survival. Involvement of reactive oxygen species and peroxisome proliferator-activated receptor-gamma. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8976-85	5.4	94
106	The mitochondria-targeted anti-oxidant MitoQ reduces aspects of mitochondrial fission in the 6-OHDA cell model of Parkinson's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 174-82	6.9	93
105	p53: twenty five years understanding the mechanism of genome protection. <i>Journal of Physiology and Biochemistry</i> , 2004 , 60, 287-307	5	87

104	Mitochondrial control of neuron death and its role in neurodegenerative disorders. <i>Journal of Physiology and Biochemistry</i> , 2003 , 59, 129-41	5	86
103	Mitochondria and calcium flux as targets of neuroprotection caused by minocycline in cerebellar granule cells. <i>Biochemical Pharmacology</i> , 2010 , 79, 239-50	6	81
102	Neuroprotectant minocycline depresses glutamatergic neurotransmission and Ca(2+) signalling in hippocampal neurons. <i>European Journal of Neuroscience</i> , 2007 , 26, 2481-95	3.5	81
101	The LRRK2 inhibitor GSK2578215A induces protective autophagy in SH-SY5Y cells: involvement of Drp-1-mediated mitochondrial fission and mitochondrial-derived ROS signaling. <i>Cell Death and Disease</i> , 2014 , 5, e1368	9.8	76
100	Bcl-x L blocks mitochondrial multiple conductance channel activation and inhibits 6-OHDA-induced death in SH-SY5Y cells. <i>Journal of Neurochemistry</i> , 2004 , 89, 124-33	6	72
99	Inflammation as therapeutic objective in stroke. <i>Current Pharmaceutical Design</i> , 2008 , 14, 3549-64	3.3	64
98	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018 , 25, 542-572	12.7	64
97	Superoxide dismutases: a physiopharmacological update. <i>Journal of Physiology and Biochemistry</i> , 2009 , 65, 195-208	5	62
96	Sildenafil protects against 3-nitropropionic acid neurotoxicity through the modulation of calpain, CREB, and BDNF. <i>Neurobiology of Disease</i> , 2010 , 38, 237-45	7.5	60
95	Minocycline and cytoprotection: shedding new light on a shadowy controversy. <i>Current Drug Delivery</i> , 2007 , 4, 225-31	3.2	60
94	Reactive oxygen species induce swelling and cytochrome c release but not transmembrane depolarization in isolated rat brain mitochondria. <i>British Journal of Pharmacology</i> , 2003 , 139, 797-804	8.6	58
93	Anticonvulsant effect of phytol in a pilocarpine model in mice. <i>Neuroscience Letters</i> , 2012 , 523, 115-8	3.3	53
92	Bioactive Flavonoids, Antioxidant Behaviour, and Cytoprotective Effects of Dried Grapefruit Peels (<i>Citrus paradisi</i> Macf.). <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8915729	6.7	53
91	Mitochondrial biology in Alzheimer's disease pathogenesis. <i>Journal of Neurochemistry</i> , 2010 , 114, 933-456		52
90	Involvement of mitochondrial potential and calcium buffering capacity in minocycline cytoprotective actions. <i>Neuroscience</i> , 2005 , 133, 959-67	3.9	51
89	Expression of human copper/zinc-superoxide dismutase inhibits the death of rat sympathetic neurons caused by withdrawal of nerve growth factor. <i>Molecular Pharmacology</i> , 1995 , 47, 1095-1100	4.3	49
88	Malonate induces cell death via mitochondrial potential collapse and delayed swelling through an ROS-dependent pathway. <i>British Journal of Pharmacology</i> , 2005 , 144, 528-37	8.6	47
87	On the mechanism underlying ethanol-induced mitochondrial dynamic disruption and autophagy response. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1400-9	6.9	44

86	Chromaffin cell death induced by 6-hydroxydopamine is independent of mitochondrial swelling and caspase activation. <i>Journal of Neurochemistry</i> , 2003 , 84, 1066-73	6	43
85	Anxiolytic-like effects and mechanism of (-)-myrtenol: a monoterpene alcohol. <i>Neuroscience Letters</i> , 2014 , 579, 119-24	3.3	41
84	Sildenafil ameliorates cognitive deficits and tau pathology in a senescence-accelerated mouse model. <i>Neurobiology of Aging</i> , 2012 , 33, 625.e11-20	5.6	41
83	Characterization of mitophagy in the 6-hydroxydopamine Parkinson's disease model. <i>Toxicological Sciences</i> , 2012 , 129, 411-20	4.4	41
82	3-Nitropropionic acid induces autophagy by forming mitochondrial permeability transition pores rather than activating the mitochondrial fission pathway. <i>British Journal of Pharmacology</i> , 2013 , 168, 63-75	8.6	40
81	Methadone induces necrotic-like cell death in SH-SY5Y cells by an impairment of mitochondrial ATP synthesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 1036-47	6.9	40
80	The nitric oxide pathway in the cardiovascular system. <i>Journal of Physiology and Biochemistry</i> , 2002 , 58, 179-88	5	40
79	Phosphodiesterase 5 inhibitors prevent 3,4-methylenedioxymethamphetamine-induced 5-HT deficits in the rat. <i>Journal of Neurochemistry</i> , 2009 , 108, 755-66	6	39
78	Role and regulation of p53 in depolarization-induced neuronal death. <i>Neuroscience</i> , 2003 , 122, 707-15	3.9	39
77	Pyruvate protects cerebellar granular cells from 6-hydroxydopamine-induced cytotoxicity by activating the Akt signaling pathway and increasing glutathione peroxidase expression. <i>Neurobiology of Disease</i> , 2006 , 24, 296-307	7.5	37
76	Veratridine induces apoptotic death in bovine chromaffin cells through superoxide production. <i>British Journal of Pharmacology</i> , 2000 , 130, 1496-504	8.6	37
75	Superoxide anions mediate veratridine-induced cytochrome c release and caspase activity in bovine chromaffin cells. <i>British Journal of Pharmacology</i> , 2002 , 137, 993-1000	8.6	35
74	Methylenedioxymethamphetamine inhibits mitochondrial complex I activity in mice: a possible mechanism underlying neurotoxicity. <i>British Journal of Pharmacology</i> , 2010 , 160, 233-45	8.6	34
73	Oxidative stress-induced DNA damage and cell cycle regulation in B65 dopaminergic cell line. <i>Free Radical Research</i> , 2009 , 43, 985-94	4	34
72	Evidence for the efficacy of lantrepirdine (Dimebon) treatment for improvement of cognitive function: a meta-analysis. <i>Journal of Alzheimer's Disease</i> , 2014 , 38, 155-64	4.3	33
71	Recommendations and treatment strategies for the management of acute ischemic stroke. <i>Expert Opinion on Pharmacotherapy</i> , 2008 , 9, 1071-85	4	32
70	Autophagy and mitochondrial alterations in human retinal pigment epithelial cells induced by ethanol: implications of 4-hydroxy-nonenal. <i>Cell Death and Disease</i> , 2014 , 5, e1328	9.8	31
69	Rotenone Induces the Formation of 4-Hydroxynonenal Aggregates. Role of ROS-Mediated Tubulin Hyperacetylation and Autophagic Flux Disruption. <i>Molecular Neurobiology</i> , 2016 , 53, 6194-6208	6.2	29

68	Prognostic relevance of receptor tyrosine kinase expression in breast cancer: a meta-analysis. <i>Cancer Treatment Reviews</i> , 2014 , 40, 1048-55	14.4	27
67	Neurochemical changes on oxidative stress in rat hippocampus during acute phase of pilocarpine-induced seizures. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 94, 341-5	3.9	27
66	Minocycline fails to protect cerebellar granular cell cultures against malonate-induced cell death. <i>Neurobiology of Disease</i> , 2005 , 20, 384-91	7.5	27
65	Sildenafil Decreases BACE1 and Cathepsin B Levels and Reduces APP Amyloidogenic Processing in the SAMP8 Mouse. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 675-85	6.4	26
64	Age-related expression of adenosine receptors in brain from the senescence-accelerated mouse. <i>Experimental Gerontology</i> , 2009 , 44, 453-61	4.5	25
63	Lactacystin requires reactive oxygen species and Bax redistribution to induce mitochondria-mediated cell death. <i>British Journal of Pharmacology</i> , 2009 , 158, 1121-30	8.6	25
62	Altered phosphorylation but no neurodegeneration in a mouse model of tau hyperphosphorylation. <i>Neurobiology of Aging</i> , 2011 , 32, 991-1006	5.6	24
61	The senescence-accelerated mouse (SAM-P8) as a model for the study of vascular functional alterations during aging. <i>Biogerontology</i> , 2007 , 8, 663-72	4.5	22
60	Mitochondria: the headquarters in ischemia-induced neuronal death. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2011 , 11, 98-106	1.8	21
59	Influence of the perioperative administration of magnesium sulfate on the total dose of anesthetics during general anesthesia. A systematic review and meta-analysis. <i>Journal of Clinical Anesthesia</i> , 2017 , 39, 129-138	1.9	20
58	Advances in the understanding of retinal drug disposition and the role of blood-ocular barrier transporters. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013 , 9, 1181-92	5.5	20
57	Latrepirdine is a potent activator of AMP-activated protein kinase and reduces neuronal excitability. <i>Translational Psychiatry</i> , 2013 , 3, e317	8.6	20
56	Minoxidil prevents 3,4-methylenedioxymethamphetamine-induced serotonin depletions: role of mitochondrial ATP-sensitive potassium channels, Akt and ERK. <i>Journal of Neurochemistry</i> , 2008 , 104, 914-25	6	20
55	Activation of ataxia telangiectasia muted under experimental models and human Parkinson's disease. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 3865-82	10.3	19
54	Rasagiline in Parkinson's disease: a review based on meta-analysis of clinical data. <i>Pharmacological Research</i> , 2013 , 74, 78-86	10.2	18
53	Minocycline blocks asthma-associated inflammation in part by interfering with the T cell receptor-nuclear factor B-GATA-3-IL-4 axis without a prominent effect on poly(ADP-ribose) polymerase. <i>Journal of Biological Chemistry</i> , 2013 , 288, 1458-68	5.4	18
52	A molecular study of pathways involved in the inhibition of cell proliferation in neuroblastoma B65 cells by the GSK-3 inhibitors lithium and SB-415286. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3906-17	5.6	18
51	Mitochondrial dynamics and mitophagy in the 6-hydroxydopamine preclinical model of Parkinson's disease. <i>Parkinson's Disease</i> , 2012 , 2012, 131058	2.6	17

50	Inhibition of calpain-regulated p35/cdk5 plays a central role in sildenafil-induced protection against chemical hypoxia produced by malonate. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 705-17	6.9	17
49	Activation of p53 and the pro-apoptotic p53 target gene PUMA during depolarization-induced apoptosis of chromaffin cells. <i>Experimental Neurology</i> , 2005 , 196, 96-103	5.7	16
48	Minocycline mediated mitochondrial cytoprotection: premises for therapy of cerebrovascular and neurodegenerative diseases. <i>Current Drug Targets</i> , 2013 , 14, 47-55	3	14
47	Interaction between magnesium sulfate and neuromuscular blockers during the perioperative period. A systematic review and meta-analysis. <i>Journal of Clinical Anesthesia</i> , 2016 , 34, 524-34	1.9	14
46	The senescence-accelerated mouse prone-8 (SAM-P8) oxidative stress is associated with upregulation of renal NADPH oxidase system. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 927-35	5	13
45	Rasagiline meta-analysis: a spotlight on clinical safety and adverse events when treating Parkinson's disease. <i>Expert Opinion on Drug Safety</i> , 2013 , 12, 479-86	4.1	13
44	Minocycline exerts uncoupling and inhibiting effects on mitochondrial respiration through adenine nucleotide translocase inhibition. <i>Pharmacological Research</i> , 2012 , 65, 120-8	10.2	13
43	Methadone induces CAD degradation and AIF-mediated necrotic-like cell death in neuroblastoma cells. <i>Pharmacological Research</i> , 2011 , 63, 352-60	10.2	13
42	BAX and BAK proteins are required for cyclin-dependent kinase inhibitory drugs to cause apoptosis. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 3800-6	6.1	13
41	In vivo studies on the protective role of minocycline against excitotoxicity caused by malonate or N-methyl-d-aspartate. <i>Experimental Neurology</i> , 2005 , 191, 326-30	5.7	13
40	Cytoprotective activity of minocycline includes improvement of mitochondrial coupling: the importance of minocycline concentration and the presence of VDAC. <i>Journal of Bioenergetics and Biomembranes</i> , 2012 , 44, 297-307	3.7	12
39	Alterations on monoamines concentration in rat hippocampus produced by lipoic acid. <i>Arquivos De Neuro-Psiquiatria</i> , 2010 , 68, 362-6	1.6	12
38	Lipoic acid blocks seizures induced by pilocarpine via increases in delta-aminolevulinic dehydratase and Na ⁺ , K ⁺ -ATPase activity in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 95, 88-91	3.9	12
37	Cholinesterase activity in brain of senescence-accelerated-resistant mouse SAMR1 and its variation in brain of senescence-accelerated-prone mouse SAMP8. <i>Journal of Neuroscience Research</i> , 2010 , 88, 155-66	4.4	12
36	Human VDAC isoforms differ in their capability to interact with minocycline and to contribute to its cytoprotective activity. <i>Mitochondrion</i> , 2016 , 28, 38-48	4.9	11
35	Stroke pathophysiology: management challenges and new treatment advances. <i>Journal of Physiology and Biochemistry</i> , 2007 , 63, 261-77	5	11
34	Long-lasting neuroprotective effect of sildenafil against 3,4-methylenedioxymethamphetamine-induced 5-hydroxytryptamine deficits in the rat brain. <i>Journal of Neuroscience Research</i> , 2012 , 90, 518-28	4.4	10
33	VDAC-Targeted Drugs Affecting Cytoprotection and Mitochondrial Physiology in Cerebrovascular and Cardiovascular Diseases. <i>Current Medicinal Chemistry</i> , 2017 , 24, 4419-4434	4.3	10

32	Effects of MPP+ on the molecular pathways involved in cell cycle control in B65 neuroblastoma cells. <i>Pharmacological Research</i> , 2010 , 61, 391-9	10.2	9
31	The UCP2-866G/A Polymorphism Could be Considered as a Genetic Marker of Different Functional Prognosis in Ischemic Stroke After Recanalization. <i>NeuroMolecular Medicine</i> , 2017 , 19, 571-578	4.6	8
30	Bcl-xL-mediated antioxidant function abrogates the disruption of mitochondrial dynamics induced by LRRK2 inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 20-31	6.9	8
29	Viability of <i>Saccharomyces cerevisiae</i> cells following exposure to H2O2 and protective effect of minocycline depend on the presence of VDAC. <i>European Journal of Pharmacology</i> , 2010 , 643, 42-7	5.3	8
28	ATM is involved in cell-cycle control through the regulation of retinoblastoma protein phosphorylation. <i>Journal of Cellular Biochemistry</i> , 2010 , 110, 210-8	4.7	8
27	Defects in subventricular zone pigmented epithelium-derived factor niche signaling in the senescence-accelerated mouse prone-8. <i>FASEB Journal</i> , 2015 , 29, 1480-92	0.9	6
26	Delayed pre-conditioning by 3-nitropropionic acid prevents 3,4-methylenedioxymetamphetamine-induced 5-HT deficits. <i>Journal of Neurochemistry</i> , 2010 , 114, 843-52	6	6
25	A systematic review on the efficacy and safety of IL-6 modulatory drugs in the treatment of COVID-19 patients. <i>European Review for Medical and Pharmacological Sciences</i> , 2020 , 24, 7475-7484	2.9	6
24	Minocycline inhibits peritoneal macrophages but activates alveolar macrophages in acute pancreatitis. <i>Journal of Physiology and Biochemistry</i> , 2015 , 71, 839-46	5	5
23	The level of butyrylcholinesterase activity increases and the content of the mRNA remains unaffected in brain of senescence-accelerated mouse SAMP8. <i>Chemico-Biological Interactions</i> , 2008 , 175, 332-5	5	5
22	Systematic review and meta-analysis on the safety of dalbavancin. <i>Expert Opinion on Drug Safety</i> , 2021 , 20, 1095-1107	4.1	5
21	Neuropharmacological effects of lipoic acid and ubiquinone on α -aminolevulinic dehydratase, Na(+), K(+) -ATPase, and Mg(2+) -ATPase activities in rat hippocampus after pilocarpine-induced seizures. <i>Fundamental and Clinical Pharmacology</i> , 2011 , 25, 211-6	3.1	4
20	Lipoic acid alters amino acid neurotransmitters content in rat hippocampus after pilocarpine-induced seizures. <i>Fundamental and Clinical Pharmacology</i> , 2011 , 25, 485-92	3.1	4
19	Automatic quantification of the subcellular localization of chimeric GFP protein supported by a two-level Naive Bayes classifier. <i>Expert Systems With Applications</i> , 2015 , 42, 1531-1537	7.8	3
18	Calidad de vida y adherencia al tratamiento en pacientes con enfermedad de Parkinson. <i>Duazary</i> , 2015 , 12, 133	0.2	3
17	Acute Bacterial Skin and Skin-Structure Infections, efficacy of Dalbavancin: a systematic review and meta-analysis. <i>Expert Review of Anti-Infective Therapy</i> , 2020 , 1-13	5.5	3
16	A bibliometric evaluation of the top 100 cited natalizumab articles. <i>Journal of Neuroimmunology</i> , 2020 , 349, 577379	3.5	3
15	Use of Symmetry Assessment Methods in the Context of Breast Surgery. <i>Aesthetic Plastic Surgery</i> , 2020 , 44, 1440-1451	2	2

14	Pharmacological Characterization of the Mechanisms Involved in Delayed Calcium Deregulation in SH-SY5Y Cells Challenged with Methadone. <i>International Journal of Cell Biology</i> , 2012 , 2012, 642482	2.6	2
13	On the clinical evidence leading to tetrazepam withdrawal. <i>Expert Opinion on Drug Safety</i> , 2014 , 13, 705-11	1.2	2
12	6-Hydroxydopamine as Preclinical Model of Parkinson's Disease 2014 , 639-651		1
11	Lipoic acid effects on monoaminergic system after pilocarpine-induced seizures. <i>Neuroscience Letters</i> , 2010 , 477, 129-33	3.3	1
10	Visual Breast Asymmetry Assessment with Optical-Flow Algorithm. <i>Journal of Medical Systems</i> , 2020 , 44, 155	5.1	1
9	A Free Tool for Breast Aesthetic Scale Computation. <i>Annals of Plastic Surgery</i> , 2021 , 86, 458-462	1.7	1
8	Pharmacology and Pathology of Superoxide Dismutases (SOD) 2014 , 457-474		0
7	Autophagy as a Neuroprotective Mechanism Against 3-Nitropropionic Acid-Induced Cell Death. <i>Current Topics in Neurotoxicity</i> , 2015 , 143-157		
6	Mitochondrial Alterations and Mitophagy in Response to 6-Hydroxydopamine 2014 , 201-209		
5	Role of Mitochondrial Fission and Mitophagy in Parkinson's Disease 2014 , 213-225		
4	Modulation of Apoptosis in Acute Ischemic Stroke as Treatment Challenges. <i>Current Immunology Reviews</i> , 2012 , 8, 39-49	1.3	
3	Mecanismos reparadores neuronales en la enfermedad de Alzheimer. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2006 , 41, 74-80	1.7	
2	Stroke and Ischemic Insults 2004 , 527-535		
1	MINOCYCLINE BLOCKS ALLERGEN-INDUCED EOSINOPHILIA AND PRODUCTION OF TH2 CYTOKINES AND IGE BY INTERFERING WITH THE T CELL RECEPTOR-NF-kB-GATA-3-INTERLEUKIN (IL)-4 AXIS IN A MURINE ASTHMA MODEL WITHOUT AN EFFECT ON PARP. <i>FASEB Journal</i> , 2013 , 27, 254.2	0.9	