

Arsenio Fernandez-Lopez

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64 papers	4,526 citations	15 h-index	66 g-index
66 ext. papers	5,121 ext. citations	4.5 avg, IF	3.55 L-index

#	Paper	IF	Citations
64	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
63	Ischemic insults induce necroptotic cell death in hippocampal neurons through the up-regulation of endogenous RIP3. <i>Neurobiology of Disease</i> , 2014 , 68, 26-36	7.5	89
62	Salubrinal and robenacoxib treatment after global cerebral ischemia. Exploring the interactions between ER stress and inflammation. <i>Biochemical Pharmacology</i> , 2018 , 151, 26-37	6	29
61	Transient global ischemia in rat brain promotes different NMDA receptor regulation depending on the brain structure studied. <i>Neurochemistry International</i> , 2009 , 54, 180-5	4.4	29
60	Post-ischemic salubrinal treatment results in a neuroprotective role in global cerebral ischemia. <i>Journal of Neurochemistry</i> , 2016 , 138, 295-306	6	29
59	Effects of chronic treatment with ethanol and withdrawal of ethanol on levels of dopamine, 3,4-dihydroxyphenylacetic acid and homovanillic acid in the striatum of the rat. Influence of benzodiazepines, barbiturate and somatostatin. <i>Neuropharmacology</i> , 1992 , 31, 1151-6	5.5	24
58	Global ischemia-induced modifications in the expression of AMPA receptors and inflammation in rat brain. <i>Brain Research</i> , 2009 , 1287, 20-7	3.7	22
57	Distribution of the GABAA receptor complex beta 2/3 subunits in the brain of the frog <i>Rana pipiens</i> . <i>Neuroscience Letters</i> , 1997 , 225, 65-8	3.3	22
56	Unfolded protein response to global ischemia following 48h of reperfusion in the rat brain: the effect of age and meloxicam. <i>Journal of Neurochemistry</i> , 2013 , 127, 701-10	6	20
55	Neuroprotective effect of 2-hydroxy arachidonic acid in a rat model of transient middle cerebral artery occlusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1648-1656	3.8	17
54	Age and meloxicam attenuate the ischemia/reperfusion-induced down-regulation in the NMDA receptor genes. <i>Neurochemistry International</i> , 2010 , 56, 878-85	4.4	17
53	Autoradiographic localization of alpha 2-adrenoceptors in chick brain. <i>Neuroscience Letters</i> , 1990 , 120, 97-100	3.3	17
52	Age and meloxicam modify the response of the glutamate vesicular transporters (VGLUTs) after transient global cerebral ischemia in the rat brain. <i>Brain Research Bulletin</i> , 2013 , 94, 90-7	3.9	16
51	Post-ischemic salubrinal administration reduces necroptosis in a rat model of global cerebral ischemia. <i>Journal of Neurochemistry</i> , 2019 , 151, 777-794	6	15
50	Hippocampus and cerebral cortex present a different autophagic response after oxygen and glucose deprivation in an ex vivo rat brain slice model. <i>Neuropathology and Applied Neurobiology</i> , 2015 , 41, e68-79	5.2	15
49	Early modifications in N-methyl-D-aspartate receptor subunit mRNA levels in an oxygen and glucose deprivation model using rat hippocampal brain slices. <i>Neuroscience</i> , 2009 , 164, 1119-26	3.9	15
48	Age-dependent modifications in vascular adhesion molecules and apoptosis after 48-h reperfusion in a rat global cerebral ischemia model. <i>Age</i> , 2014 , 36, 9703		14

47	The autoradiographic perspective of central benzodiazepine receptors; a short review. <i>General Pharmacology</i> , 1997 , 29, 173-80		14
46	Pre- and post-hatching developmental changes in beta-adrenoceptor subtypes in chick brain. <i>Developmental Brain Research</i> , 1998 , 111, 159-67		13
45	Pharmacological characterization and autoradiographic distribution of alpha2-adrenoceptor antagonist [3H]RX 821002 binding sites in the chicken brain. <i>Neuroscience</i> , 2006 , 141, 357-69	3.9	13
44	Effect of chronic ethanol treatment on the gamma-aminobutyric acid-mediated enhancement of [3H]flunitrazepam binding in rat cortex and hippocampus. <i>Journal of Neurochemistry</i> , 1992 , 58, 1916-22	6	13
43	Glutamate receptor and transporter modifications in rat organotypic hippocampal slice cultures exposed to oxygen-glucose deprivation: the contribution of cyclooxygenase-2. <i>Neuroscience</i> , 2015 , 292, 118-28	3.9	12
42	AMPA receptor downregulation induced by ischaemia/reperfusion is attenuated by age and blocked by meloxicam. <i>Neuropathology and Applied Neurobiology</i> , 2010 , 36, 436-47	5.2	12
41	Effect of vitamin E treatment on N-methyl-D-aspartate receptor at different ages in the rat brain. <i>Brain Research</i> , 2004 , 1028, 148-55	3.7	12
40	Differential expression of the alpha 1c adrenergic receptor subtype in rat tissues. <i>NeuroReport</i> , 1993 , 4, 1266-8	1.7	12
39	Seizure-refractory period after a single stimulation and inhibition of seizures after repetitive stimulation in the gerbil: effects on blood cortisol levels. <i>Epilepsia</i> , 1999 , 40, 1-4	6.4	11
38	Celecoxib Treatment Improves Neurologic Deficit and Reduces Selective Neuronal Loss and Glial Response in Rats after Transient Middle Cerebral Artery Occlusion. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018 , 367, 528-542	4.7	11
37	Age-dependent modifications in the mRNA levels of the rat excitatory amino acid transporters (EAATs) at 48hour reperfusion following global ischemia. <i>Brain Research</i> , 2010 , 1358, 11-9	3.7	10
36	Norepinephrine, epinephrine and MHPG levels in chick brain development. <i>Neuropharmacology</i> , 2001 , 41, 480-5	5.5	10
35	Quantitative gene expression analysis in a brain slice model: influence of temperature and incubation media. <i>Analytical Biochemistry</i> , 2008 , 378, 99-101	3.1	9
34	An autoradiographical saturation kinetic study of the different benzodiazepine binding sites in rat brain by using [3H] flunitrazepam as a radioligand. <i>Biochemical Pharmacology</i> , 1995 , 50, 1619-25	6	8
33	Differential effect of chronic ethanol treatment on barbiturate and steroid modulation of muscimol-binding to rat brain cortex. <i>Neuroscience Letters</i> , 1993 , 158, 83-6	3.3	8
32	GABA(A) receptor chloride channels are involved in the neuroprotective role of GABA following oxygen and glucose deprivation in the rat cerebral cortex but not in the hippocampus. <i>Brain Research</i> , 2013 , 1533, 141-51	3.7	7
31	The transcription factor CREB is phosphorylated in neurons of the piriform cortex of blind mice in response to illumination of the retina. <i>Neuroscience Letters</i> , 2004 , 357, 223-6	3.3	7
30	Effect of delta-aminolevulinic acid treatment on N-methyl-D-aspartate receptor at different ages in the rat brain. <i>Brain Research</i> , 2005 , 1061, 80-7	3.7	7

29	Autoradiographical study of types 1 and 2 of benzodiazepine receptors in rat brain after chronic ethanol treatment and its withdrawal. <i>Neuropharmacology</i> , 1995 , 34, 1177-82	5.5	7
28	Identification of alpha 2-adrenoceptors in rat lymph nodes and spleen: an autoradiographic study. <i>European Journal of Pharmacology</i> , 1994 , 252, 333-6	5.3	7
27	Differential effect of transient global ischaemia on the levels of gamma-aminobutyric acid type A (GABA(A)) receptor subunit mRNAs in young and older rats. <i>Neuropathology and Applied Neurobiology</i> , 2012 , 38, 710-22	5.2	6
26	Neuroprotection by salubrin treatment in global cerebral ischemia. <i>Neural Regeneration Research</i> , 2016 , 11, 1744-1745	4.5	6
25	Muscarinic receptor changes in the gerbil thalamus during aging. <i>Brain Research</i> , 2008 , 1243, 38-46	3.7	5
24	Effect of delta-aminolevulinic acid and vitamin E treatments on the N-methyl-D-aspartate receptor at different ages in the striatum of rat brain. <i>Brain Research</i> , 2006 , 1114, 19-23	3.7	5
23	The GABA(A) receptor complex in the chicken brain: immunocytochemical distribution of alpha 1- and gamma 2-subunits and autoradiographic distribution of BZ1 and BZ2 binding sites. <i>Journal of Chemical Neuroanatomy</i> , 2003 , 25, 1-18	3.2	5
22	Autoradiographic characterisation of beta-adrenoceptors in chick brain using [3H]CGP 12177. <i>Brain Research Protocols</i> , 2000 , 5, 140-5		5
21	Identification of beta-adrenoceptors in rat lymph nodes and spleen: an autoradiographic study. <i>European Journal of Pharmacology</i> , 1994 , 262, 283-6	5.3	5
20	Effect of chronic treatment with ethanol and withdrawal of ethanol on binding of [3H]SCH23390 to D1 dopamine receptor in rat visual cortex and hippocampus. An autoradiographic study. <i>Neuropharmacology</i> , 1994 , 33, 1203-9	5.5	5
19	[3H]-flunitrazepam binding after morphine treatment and under abstinence syndrome. <i>Brain Research Bulletin</i> , 1991 , 27, 611-5	3.9	5
18	Necroptosis in global cerebral ischemia: a role for endoplasmic reticulum stress. <i>Neural Regeneration Research</i> , 2020 , 15, 455-456	4.5	5
17	Brain-derived neurotrophic factor alleviates the oxidative stress induced by oxygen and glucose deprivation in an ex vivo brain slice model. <i>Journal of Cellular Physiology</i> , 2019 , 234, 9592-9604	7	5
16	Differential effects on [35S]GTPgammaS binding using muscarinic agonists and antagonists in the gerbil brain. <i>Journal of Chemical Neuroanatomy</i> , 2005 , 30, 119-28	3.2	4
15	Bicuculline Reverts the Neuroprotective Effects of Meloxicam in an Oxygen and Glucose Deprivation (OGD) Model of Organotypic Hippocampal Slice Cultures. <i>Neuroscience</i> , 2018 , 386, 68-78	3.9	3
14	Distribution of the gamma-aminobutyric acid(A) receptor complex alpha 5 subunit in chick brain. An immunocytochemical and autoradiographic study. <i>Neuroscience Letters</i> , 2000 , 291, 49-53	3.3	3
13	The subcommissural organ of the frog <i>Rana perezi</i> is innervated by nerve fibres containing GABA. <i>Cell and Tissue Research</i> , 2000 , 299, 253-62	4.2	3
12	A comparative study of the beta-adrenoceptors in higher song nuclei of birds. <i>Neuroscience Letters</i> , 1999 , 271, 9-12	3.3	3

11	Effects of chronic treatment with ethanol and withdrawal on levels of monoamines in rat cerebral cortex and striatum. Influence of midazolam, thiopental and somatostatin. <i>International Journal of Biochemistry and Cell Biology</i> , 1995 , 27, 1267-76	5.6	3
10	Effects of an acute dose of ethanol on dopaminergic and serotonergic systems from rat cerebral cortex and striatum. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996 , 113, 399-402		3
9	A role for lipids as agents to alleviate stroke damage: the neuroprotective effect of 2-hydroxy arachidonic acid. <i>Neural Regeneration Research</i> , 2017 , 12, 1273-1275	4.5	3
8	A comparative study of the beta-adrenoceptors in higher visual centres of birds. <i>Neuroscience Letters</i> , 1998 , 256, 81-4	3.3	2
7	Effect of surgical stress on benzodiazepine receptors as a consequence of placebo pellet implantation in rat: an autoradiographic study. <i>Brain Research Bulletin</i> , 1999 , 49, 413-8	3.9	2
6	Effect of morphine and abstinence syndrome on [3H]bromoxidine binding to alpha 2-adrenoceptors in rat brain. <i>Neurochemical Research</i> , 1994 , 19, 445-9	4.6	2
5	Celecoxib-Dependent Neuroprotection in a Rat Model of Transient Middle Cerebral Artery Occlusion (tMCAO) Involves Modifications in Unfolded Protein Response (UPR) and Proteasome. <i>Molecular Neurobiology</i> , 2021 , 58, 1404-1417	6.2	2
4	Functional autoradiography and gene expression analysis applied to the characterization of the alpha2-adrenergic system in the chicken brain. <i>Journal of Chemical Neuroanatomy</i> , 2009 , 38, 282-91	3.2	1
3	Using organotypic hippocampal slice cultures to gain insight into mechanisms responsible for the neuroprotective effects of meloxicam: a role for gamma aminobutyric and endoplasmic reticulum stress. <i>Neural Regeneration Research</i> , 2019 , 14, 65-66	4.5	1
2	Combining anti-inflammatory and unfolding protein responses to fight stroke. <i>Neural Regeneration Research</i> , 2019 , 14, 450-451	4.5	0
1	Celeboxib-mediated neuroprotection in focal cerebral ischemia: an interplay between unfolded protein response and inflammation. <i>Neural Regeneration Research</i> , 2022 , 17, 302-303	4.5	