

Gabriel Olmos

List of Publications by Year in descending order

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61
papers

2,983
citations

136950

32
h-index

161849

54
g-index

61
all docs

61
docs citations

61
times ranked

3176
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor Necrosis Factor Alpha: A Link between Neuroinflammation and Excitotoxicity. Mediators of Inflammation, 2014, 2014, 1-12.	3.0	513
2	Synaptic remodeling in the rat arcuate nucleus during the estrous cycle. Neuroscience, 1989, 32, 663-667.	2.3	197
3	Protection by imidazol(ine) drugs and agmatine of glutamate-induced neurotoxicity in cultured cerebellar granule cells through blockade of NMDA receptor. British Journal of Pharmacology, 1999, 127, 1317-1326.	5.4	154
4	Discrimination and pharmacological characterization of I2-imidazoline sites with [3H]idazoxan and alpha-2 adrenoceptors with [3H]RX821002 (2-methoxy idazoxan) in the human and rat brains. Journal of Pharmacology and Experimental Therapeutics, 1993, 264, 1187-97.	2.5	102
5	Vascular endothelial growth factor protects spinal cord motoneurons against glutamate-induced excitotoxicity via phosphatidylinositol 3-kinase. Journal of Neurochemistry, 2008, 105, 1080-1090.	3.9	99
6	The distribution of glial fibrillary acidic protein in the adult rat brain is influenced by the neonatal levels of sex steroids. Brain Research, 1988, 456, 357-363.	2.2	98
7	Estradiol induced redistribution of glial fibrillary acidic protein immunoreactivity in the rat brain. Brain Research, 1987, 406, 348-351.	2.2	95
8	Activation of I2-imidazoline receptors enhances supraspinal morphine analgesia in mice: a model to detect agonist and antagonist activities at these receptors. British Journal of Pharmacology, 2000, 130, 146-152.	5.4	83
9	TNF- α potentiates glutamate-induced spinal cord motoneuron death via NF- κ B. Molecular and Cellular Neurosciences, 2011, 46, 176-186.	2.2	83
10	Attenuation of tolerance to opioid-induced antinociception and protection against morphine-induced decrease of neurofilament proteins by idazoxan and other I2-imidazoline ligands. British Journal of Pharmacology, 1998, 125, 175-185.	5.4	81
11	Inhibition of monoamine oxidase A and B activities by imidazol(ine)/guanidine drugs, nature of the interaction and distinction from I2-imidazoline receptors in rat liver. British Journal of Pharmacology, 1997, 121, 901-912.	5.4	79
12	Chronic treatment with the monoamine oxidase inhibitors clorgyline and pargyline down-regulates non-adrenoceptor [³ H]idazoxan binding sites in the rat brain. British Journal of Pharmacology, 1993, 108, 597-603.	5.4	72
13	μ -opioid receptor activation prevents apoptosis following serum withdrawal in differentiated SH-SY5Y cells and cortical neurons via phosphatidylinositol 3-kinase. Neuropharmacology, 2003, 44, 482-492.	4.1	70
14	The effects of chronic imidazoline drug treatment on glial fibrillary acidic protein concentrations in rat brain. British Journal of Pharmacology, 1994, 111, 997-1002.	5.4	65
15	Rapid effects of gonadal steroids upon hypothalamic neuronal membrane ultrastructure. The Journal of Steroid Biochemistry, 1987, 27, 615-623.	1.1	64
16	Tumor necrosis factor alpha and interferon gamma cooperatively induce oxidative stress and motoneuron death in rat spinal cord embryonic explants. Neuroscience, 2009, 162, 959-971.	2.3	62
17	Mechanisms Involved in Spinal Cord Central Synapse Loss in a Mouse Model of Spinal Muscular Atrophy. Journal of Neuropathology and Experimental Neurology, 2014, 73, 519-535.	1.7	57
18	Complementary roles of tumor necrosis factor alpha and interferon gamma in inducible microglial nitric oxide generation. Journal of Neuroimmunology, 2008, 204, 101-109.	2.3	56

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19	The effects of phenelzine and other monoamine oxidase inhibitor antidepressants on brain and liver α -imidazoline-preferring receptors. <i>British Journal of Pharmacology</i> , 1995, 114, 837-845.	5.4	54
20	Estrogen-induced synaptic remodelling in adult rat brain is accompanied by the reorganization of neuronal membranes. <i>Brain Research</i> , 1987, 425, 57-64.	2.2	53
21	IFN- γ prevents TNF- α -induced apoptosis in C2C12 myotubes through down-regulation of TNF-R2 and increased NF- κ B activity. <i>Cellular Signalling</i> , 2005, 17, 1333-1342.	3.6	47
22	Labelling of I2B-imidazoline receptors by [3 H]-2-(2-benzofuranyl)-2-imidazoline (2-BFI) in rat brain and liver: characterization, regulation and relation to monoamine oxidase enzymes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1997, 356, 39-47.	3.0	46
23	Imidazoli(di)ne compounds interact with the phencyclidine site of NMDA receptors in the rat brain. <i>European Journal of Pharmacology</i> , 1996, 310, 273-276.	3.5	43
24	Vascular endothelial growth factor protects motoneurons from serum deprivation-induced cell death through phosphatidylinositol 3-kinase-mediated p38 mitogen-activated protein kinase inhibition. <i>Neuroscience</i> , 2009, 158, 1348-1355.	2.3	43
25	Neuronal membrane remodelling during the oestrus cycle: a freeze-fracture study in the arcuate nucleus of the rat hypothalamus. <i>Journal of Neurocytology</i> , 1988, 17, 377-383.	1.5	42
26	Imidazolines stimulate release of insulin from RIN-5AH cells independently from imidazoline I1 and I2 receptors. <i>European Journal of Pharmacology</i> , 1994, 262, 41-48.	3.5	38
27	Disrupted in schizophrenia 1 (DISC1) is a constituent of the mammalian mitochondrial contact site and cristae organizing system (MICOS) complex, and is essential for oxidative phosphorylation. <i>Human Molecular Genetics</i> , 2016, 25, 4157-4169.	2.9	38
28	Characterization of brain imidazoline receptors in normotensive and hypertensive rats: differential regulation by chronic imidazoline drug treatment. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1992, 260, 1000-7.	2.5	37
29	Pharmacological modulation of immunoreactive imidazoline receptor proteins in rat brain: relationship with non-adrenoceptor [3 H]-imidazoxan binding sites. <i>British Journal of Pharmacology</i> , 1996, 118, 2029-2036.	5.4	35
30	Efficient gene expression from integration-deficient lentiviral vectors in the spinal cord. <i>Gene Therapy</i> , 2013, 20, 645-657.	4.5	35
31	Cellular and molecular mechanisms involved in the neuroprotective effects of VEGF on motoneurons. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 181.	3.7	34
32	LSL 60101, a selective ligand for imidazoline I2 receptors, on glial fibrillary acidic protein concentration. <i>European Journal of Pharmacology</i> , 1995, 280, 205-210.	3.5	33
33	Estradiol induces rapid remodelling of plasma membranes in developing rat cerebrocortical neurons in culture. <i>Brain Research</i> , 1989, 498, 339-343.	2.2	31
34	Postnatal development of glial fibrillary acidic protein immunoreactivity in the hamster arcuate nucleus. <i>Developmental Brain Research</i> , 1987, 37, 89-95.	1.7	30
35	Induction of reactive astrogliosis and prevention of motoneuron cell death by the I2-imidazoline receptor ligand LSL 60101. <i>British Journal of Pharmacology</i> , 2000, 130, 1767-1776.	5.4	28
36	Differential Effects of the Alkylating Agent N-Ethoxycarbonyl-2-Ethoxy-1,2-Dihydroquinoline on Brain α -Adrenoceptors and I2-Imidazoline Sites In Vitro and In Vivo. <i>Journal of Neurochemistry</i> , 1993, 61, 1602-1610.	3.9	26

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37	Sex differences in plasma membrane concanavalin A binding in the rat arcuate neurons. <i>Brain Research Bulletin</i> , 1989, 22, 651-655.	3.0	24
38	Pharmacologic and Molecular Discrimination of I2-Imidazoline Receptor Subtypesa. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 144-160.	3.8	23
39	SMN deficiency attenuates migration of U87MG astrogloma cells through the activation of RhoA. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 282-289.	2.2	23
40	Decreased density and sensitivity of $\hat{1}\pm 2$ -adrenoceptors in the of spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 1991, 205, 93-96.	3.5	21
41	Sexual differentiation of the neuronal plasma membrane: Neonatal levels of sex steroids modulate the number of exo-endocytotic images in the developing rat arcuate neurons. <i>Neuroscience Letters</i> , 1988, 91, 19-23.	2.1	20
42	Neuroprotective Effects of Estradiol on Motoneurons in a Model of Rat Spinal Cord Embryonic Explants. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 421-432.	3.3	18
43	Acute and chronic effects of reserpine on biochemical and functional parameters of central and peripheral $\hat{1}\pm 2$ -adrenoceptors. <i>European Journal of Pharmacology</i> , 1993, 239, 149-157.	3.5	16
44	Nuclear pores in rat hypothalamic arcuate neurons: Sex differences and changes during the oestrous cycle. <i>Journal of Neurocytology</i> , 1987, 16, 469-475.	1.5	15
45	Pharmacological and molecular discrimination of brain I2-imidazoline receptor subtypes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996, 354, 709-716.	3.0	15
46	Notch Signaling Pathway Is Activated in Motoneurons of Spinal Muscular Atrophy. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11424-11437.	4.1	14
47	Attenuation of Tolerance to Opioid-Induced Antinociception by Idazoxan and Other I2-Ligandsa. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 359-363.	3.8	12
48	I2-Imidazoline Receptors in the Healthy and Pathologic Human Brain. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 178-193.	3.8	10
49	Isothiocyanatobenzyl imidazoline is an alkylating agent for I2-imidazoline binding sites in rat and rabbit tissues. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998, 357, 351-355.	3.0	10
50	Repeated Idazoxan Increases Brain Imidazoline Receptors in Normotensive (WKY) but Not in Hypertensive (SHR) Rats. <i>Journal of Neurochemistry</i> , 1991, 57, 1811-1813.	3.9	8
51	Acute and chronic effects of cholinesterase inhibitors and pilocarpine on the density and sensitivity of central and peripheral $\hat{1}\pm 2$ -adrenoceptors. <i>European Journal of Pharmacology</i> , 1993, 236, 467-476.	3.5	5
52	Ontogeny of binding sites for [3H]kainic acid in chick and rat cerebellar membranes: A comparative study. <i>Neurochemical Research</i> , 1990, 15, 47-52.	3.3	4
53	Endogenous substrates and functional role of eukaryotic mono(ADP-ribosyl)transferases. <i>Biochemical Pharmacology</i> , 1994, 48, 1669-1675.	4.4	4
54	Chronic Treatment with Phenzelzine and Other Irreversible Monoamine Oxidase Inhibitors Downregulates I2-Imidazoline Receptors in the Brain and Liver. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 506-509.	3.8	4

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55	Imidazolines Stimulate Release of Insulin from RIN-5AH Cells Independently from I1- and I2-Imidazoline Receptors. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 374-376.	3.8	3
56	Familial Psychosis Associated With a Missense Mutation at MACF1 Gene Combined With the Rare Duplications DUP3p26.3 and DUP16q23.3, Affecting the CNTN6 and CDH13 Genes. <i>Frontiers in Genetics</i> , 2021, 12, 622886.	2.3	3
57	[3H]kainic acid binding sites in chick cerebellar membranes. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1989, 93, 321-325.	0.2	2
58	No effect of genetic obesity and mazindol on imidazoline I2 binding sites in the brain of Zucker rats. <i>European Journal of Pharmacology</i> , 1993, 243, 305-308.	3.5	2
59	Chronic Imidazoline Drug Treatment Increases the Immunoreactivity of Glial Fibrillary Acidic Protein in Rat Brain.. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 486-489.	3.8	2
60	Protection by Imidazol(ine) Compounds of l-Glutamate Neurotoxicity Through NMDA Receptor Blockade. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 452-452.	3.8	2
61	Identification of Novel Genes Associated to Major Mental Disease by Whole Exome Sequencing in Families with High Prevalence. <i>European Psychiatry</i> , 2017, 41, S98-S99.	0.2	0