

Jos L Gngora-Alfaro

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33
papers

577
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h-index

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35
ext. papers

629
ext. citations

4.5
avg, IF

2.78
L-index

#	Paper	IF	Citations
33	NMDA receptor mediates dopamine release in the striatum of unanesthetized rats as measured by brain microdialysis. <i>Brain Research</i> , 1992 , 595, 309-15	3.7	82
32	Reciprocal interaction between glutamate and dopamine in the pars reticulata of the rat substantia nigra: a microdialysis study. <i>Neuroscience</i> , 1997 , 80, 803-10	3.9	69
31	Chronic caffeine consumption prevents cognitive decline from young to middle age in rats, and is associated with increased length, branching, and spine density of basal dendrites in CA1 hippocampal neurons. <i>Neuroscience</i> , 2012 , 202, 384-95	3.9	52
30	Caffeine and muscarinic antagonists act in synergy to inhibit haloperidol-induced catalepsy. <i>Neuropharmacology</i> , 2003 , 45, 493-503	5.5	44
29	Neurotensin-polyplex-mediated brain-derived neurotrophic factor gene delivery into nigral dopamine neurons prevents nigrostriatal degeneration in a rat model of early Parkinson's disease. <i>Journal of Biomedical Science</i> , 2015 , 22, 59	13.3	36
28	A cholinergic input to the substantia nigra pars compacta increases striatal dopamine metabolism measured by in vivo voltammetry. <i>Brain Research</i> , 1992 , 598, 114-20	3.7	35
27	5-HT _{1A} , 5-HT ₂ , and GABAB receptors interact to modulate neurotransmitter release probability in layer 2/3 somatosensory rat cortex as evaluated by the paired pulse protocol. <i>Journal of Neuroscience Research</i> , 2004 , 78, 268-78	4.4	30
26	Treatment of Parkinson's disease: nanostructured sol-gel silica-dopamine reservoirs for controlled drug release in the central nervous system. <i>International Journal of Nanomedicine</i> , 2010 , 6, 19-31	7.3	24
25	Differential effects of caffeine on the antidepressant-like effect of amitriptyline in female rat subpopulations with low and high immobility in the forced swimming test. <i>Physiology and Behavior</i> , 2008 , 94, 501-9	3.5	24
24	Firing frequency modulation of substantia nigra reticulata neurons by 5-hydroxytryptamine. <i>Neuroscience Research</i> , 1997 , 29, 225-31	2.9	17
23	Selective A _{2A} , but not A ₁ adenosine antagonists enhance the anticataleptic action of trihexyphenidyl in rats. <i>Neuroscience Letters</i> , 2003 , 346, 1-4	3.3	15
22	Quinolinic acid lesions of the pedunculopontine nucleus impair sleep architecture, but not locomotion, exploration, emotionality or working memory in the rat. <i>Behavioural Brain Research</i> , 2011 , 225, 482-90	3.4	14
21	Circling behavior elicited by cholinergic transmission in the substantia nigra pars compacta: involvement of nicotinic and muscarinic receptors. <i>Neuroscience</i> , 1996 , 71, 729-34	3.9	13
20	A novel automated rat catalepsy bar test system based on a RISC microcontroller. <i>Journal of Neuroscience Methods</i> , 2005 , 146, 76-83	3	12
19	Clinical doses of citalopram or reboxetine differentially modulate passive and active behaviors of female Wistar rats with high or low immobility time in the forced swimming test. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 110, 89-97	3.9	11
18	Sustained improvement of motor function in hemiparkinsonian rats chronically treated with low doses of caffeine or trihexyphenidyl. <i>Pharmacology Biochemistry and Behavior</i> , 2007 , 86, 68-78	3.9	11
17	Capsaicin produces antidepressant-like effects in the forced swimming test and enhances the response of a sub-effective dose of amitriptyline in rats. <i>Physiology and Behavior</i> , 2018 , 195, 158-166	3.5	10

16	The potency and efficacy of anticholinergics to inhibit haloperidol-induced catalepsy in rats correlates with their rank order of affinities for the muscarinic receptor subtypes. <i>Neuropharmacology</i> , 2014 , 81, 176-87	5.5	10
15	Treatment with subthreshold doses of caffeine plus trihexyphenidyl fully restores locomotion and exploratory activity in reserpinized rats. <i>Neuroscience Letters</i> , 2004 , 367, 327-31	3.3	10
14	Circling behavior induced by microinjection of serotonin reuptake inhibitors in the substantia nigra. <i>Pharmacology Biochemistry and Behavior</i> , 2002 , 71, 353-63	3.9	9
13	Sleep and memory deficits in the rat produced by experimental infection with <i>Trypanosoma cruzi</i> . <i>Neuroscience Letters</i> , 2001 , 306, 65-8	3.3	8
12	An automated Y-maze based on a reduced instruction set computer (RISC) microcontroller for the assessment of continuous spontaneous alternation in rats. <i>Behavior Research Methods</i> , 2016 , 48, 1631-1643	6.1	8
11	Synergism of theophylline and anticholinergics to inhibit haloperidol-induced catalepsy: a potential treatment for extrapyramidal syndromes. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010 , 34, 1465-71	5.5	7
10	Long-lasting resistance to haloperidol-induced catalepsy in male rats chronically treated with caffeine. <i>Neuroscience Letters</i> , 2009 , 463, 210-4	3.3	7
9	Caffeine has greater potency and efficacy than theophylline to reverse the motor impairment caused by chronic but not acute interruption of striatal dopaminergic transmission in rats. <i>Neuropharmacology</i> , 2013 , 70, 51-62	5.5	6
8	Adrenergic blockade protects BALB/c mice against infection with a small inoculum of <i>Leishmania mexicana mexicana</i> (LV4). <i>International Immunopharmacology</i> , 2015 , 24, 59-67	5.8	5
7	A system for automatic recording and analysis of motor activity in rats. <i>Behavior Research Methods</i> , 2013 , 45, 183-90	6.1	3
6	Synergistic antidepressant-like effect of capsaicin and citalopram reduces the side effects of citalopram on anxiety and working memory in rats. <i>Psychopharmacology</i> , 2020 , 237, 2173-2185	4.7	2
5	A digital programmable telemetric system for recording extracellular action potentials. <i>Behavior Research Methods</i> , 2009 , 41, 352-8	6.1	1
4	Cross-Modulation Between GABAB and 5-HT Receptors: A Link Between Anxiety and Depression? 2007 , 103-111		1
3	Chronic feeding with 3% dried raw blueberries (<i>V. corymbosum</i>) reduces apomorphine-induced rotations and striatal dopaminergic loss in hemiparkinsonian rats. <i>Food Research International</i> , 2021 , 140, 110066	7	1
2	Light stimulation during postnatal development is not determinant for glutamatergic neurotransmission from the retinohypothalamic tract to the suprachiasmatic nucleus in rats. <i>European Journal of Neuroscience</i> , 2021 , 54, 4497-4513	3.5	0
1	Caffeine Consumption and Prevention of Cognitive Decline: A Focus on Mechanisms 2015 , 879-889		