

Juan J Canales

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

2,912

citations

30

h-index

53

g-index

73

ext. papers

3,145

ext. citations

5

avg, IF

5.14

L-index

#	Paper	IF	Citations
66	A measure of striatal function predicts motor stereotypy. <i>Nature Neuroscience</i> , 2000 , 3, 377-83	25.5	346
65	A Rap guanine nucleotide exchange factor enriched highly in the basal ganglia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 13278-83	11.5	308
64	Levodopa-induced dyskinesias and dopamine-dependent stereotypies: a new hypothesis. <i>Trends in Neurosciences</i> , 2000 , 23, S71-7	13.3	184
63	Trace amine-associated receptor 1 partial agonism reveals novel paradigm for neuropsychiatric therapeutics. <i>Biological Psychiatry</i> , 2012 , 72, 934-42	7.9	115
62	Inhibition of adult hippocampal neurogenesis disrupts contextual learning but spares spatial working memory, long-term conditional rule retention and spatial reversal. <i>Neuroscience</i> , 2009 , 159, 59-68	3.9	108
61	Chronic cocaine exposure impairs progenitor proliferation but spares survival and maturation of neural precursors in adult rat dentate gyrus. <i>European Journal of Neuroscience</i> , 2006 , 24, 586-94	3.5	91
60	Concurrent activation of dopamine D1 and D2 receptors is required to evoke neural and behavioral phenotypes of cocaine sensitization. <i>Journal of Neuroscience</i> , 2002 , 22, 6218-27	6.6	90
59	The hippocampal dentate gyrus is essential for generating contextual memories of fear and drug-induced reward. <i>Neurobiology of Learning and Memory</i> , 2008 , 90, 553-9	3.1	88
58	Stimulant-induced adaptations in neostriatal matrix and striosome systems: transiting from instrumental responding to habitual behavior in drug addiction. <i>Neurobiology of Learning and Memory</i> , 2005 , 83, 93-103	3.1	84
57	Enhanced habit-based learning and decreased neurogenesis in the adult hippocampus in a murine model of chronic social stress. <i>Behavioural Brain Research</i> , 2010 , 210, 134-9	3.4	77
56	Trace Amines and the Trace Amine-Associated Receptor 1: Pharmacology, Neurochemistry, and Clinical Implications. <i>Frontiers in Neuroscience</i> , 2016 , 10, 148	5.1	76
55	Adult neurogenesis and the memories of drug addiction. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2007 , 257, 261-70	5.1	74
54	Molecular mechanism of acute ammonia toxicity: role of NMDA receptors. <i>Neurochemistry International</i> , 2002 , 41, 95-102	4.4	73
53	Environmental enrichment reduces the function of D1 dopamine receptors in the prefrontal cortex of the rat. <i>Journal of Neural Transmission</i> , 2007 , 114, 43-8	4.3	62
52	Activation of the trace amine-associated receptor 1 prevents relapse to cocaine seeking. <i>Neuropsychopharmacology</i> , 2014 , 39, 2299-308	8.7	61
51	The trace amine-associated receptor 1 modulates methamphetamine's neurochemical and behavioral effects. <i>Frontiers in Neuroscience</i> , 2015 , 9, 39	5.1	49
50	Aluminium impairs the glutamate-nitric oxide-cGMP pathway in cultured neurons and in rat brain in vivo: molecular mechanisms and implications for neuropathology. <i>Journal of Inorganic Biochemistry</i> , 2001 , 87, 63-9	4.2	47

49	Selective activation of the trace amine-associated receptor 1 decreases cocaine's reinforcing efficacy and prevents cocaine-induced changes in brain reward thresholds. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015 , 63, 70-5	5.5	43
48	Chronic ethanol exposure alters the levels, assembly, and cellular organization of the actin cytoskeleton and microtubules in hippocampal neurons in primary culture. <i>Toxicological Sciences</i> , 2010 , 118, 602-12	4.4	41
47	Chronic hyperammonemia alters motor and neurochemical responses to activation of group I metabotropic glutamate receptors in the nucleus accumbens in rats in vivo. <i>Neurobiology of Disease</i> , 2003 , 14, 380-90	7.5	41
46	The neurobiology of repetitive behaviors: clues to the neurobiology of Tourette syndrome. <i>Advances in Neurology</i> , 2001 , 85, 123-31		41
45	Binge administration of 3,4-methylenedioxymethamphetamine ("ecstasy") impairs the survival of neural precursors in adult rat dentate gyrus. <i>Neuropharmacology</i> , 2006 , 51, 967-73	5.5	38
44	Patterns of gene expression and behavior induced by chronic dopamine treatments. <i>Annals of Neurology</i> , 2000 , 47, S53-9	9.4	37
43	Shifts in striatal responsivity evoked by chronic stimulation of dopamine and glutamate systems. <i>Brain</i> , 2002 , 125, 2353-63	11.2	36
42	Neurotoxicity and persistent cognitive deficits induced by combined MDMA and alcohol exposure in adolescent rats. <i>Addiction Biology</i> , 2010 , 15, 413-23	4.6	35
41	Comparative neuroscience of stimulant-induced memory dysfunction: role for neurogenesis in the adult hippocampus. <i>Behavioural Pharmacology</i> , 2010 , 21, 379-93	2.4	35
40	Monoamine transporters: vulnerable and vital doorkeepers. <i>Progress in Molecular Biology and Translational Science</i> , 2011 , 98, 1-46	4	34
39	A partial trace amine-associated receptor 1 agonist exhibits properties consistent with a methamphetamine substitution treatment. <i>Addiction Biology</i> , 2017 , 22, 1246-1256	4.6	32
38	Trace amine-associated receptor 1: a multimodal therapeutic target for neuropsychiatric diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 513-526	6.4	32
37	A dopamine transport inhibitor with markedly low abuse liability suppresses cocaine self-administration in the rat. <i>Psychopharmacology</i> , 2009 , 207, 281-9	4.7	30
36	The high affinity dopamine uptake inhibitor, JHW 007, blocks cocaine-induced reward, locomotor stimulation and sensitization. <i>European Neuropsychopharmacology</i> , 2010 , 20, 501-8	1.2	29
35	Spared place and object-place learning but limited spatial working memory capacity in rats with selective lesions of the dentate gyrus. <i>Brain Research Bulletin</i> , 2007 , 72, 315-23	3.9	29
34	Chronic unilateral stimulation of the nucleus accumbens at high or low frequencies attenuates relapse to cocaine seeking in an animal model. <i>Brain Stimulation</i> , 2015 , 8, 57-63	5.1	27
33	The dopamine uptake inhibitor 3 alpha-[bis(4Zfluorophenyl)metoxy]-tropane reduces cocaine-induced early-gene expression, locomotor activity, and conditioned reward. <i>Neuropsychopharmacology</i> , 2009 , 34, 2497-507	8.7	27
32	Deficient plasticity in the hippocampus and the spiral of addiction: focus on adult neurogenesis. <i>Current Topics in Behavioral Neurosciences</i> , 2013 , 15, 293-312	3.4	25

31	Prevention of in vivo excitotoxicity by a family of trialkylglycines, a novel class of neuroprotectants. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 301, 29-36	4.7	25
30	Dynamic dopamine receptor interactions in the core and shell of nucleus accumbens differentially coordinate the expression of unconditioned motor behaviors. <i>Synapse</i> , 2000 , 36, 297-306	2.4	25
29	The role of nigral and thalamic output pathways in the expression of oral stereotypies induced by amphetamine injections into the striatum. <i>Brain Research</i> , 2000 , 856, 176-83	3.7	25
28	Endocytosis in cultured neurons is altered by chronic alcohol exposure. <i>Toxicological Sciences</i> , 2010 , 115, 202-13	4.4	24
27	Long-term cognitive, emotional and neurogenic alterations induced by alcohol and methamphetamine exposure in adolescent rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 74, 1-8	5.5	22
26	Interaction Between the Trace Amine-Associated Receptor 1 and the Dopamine D Receptor Controls Cocaine's Neurochemical Actions. <i>Scientific Reports</i> , 2017 , 7, 13901	4.9	21
25	Exposure to N-ethyl-N-nitrosourea in adult mice alters structural and functional integrity of neurogenic sites. <i>PLoS ONE</i> , 2012 , 7, e29891	3.7	21
24	Behavioural topography in the striatum: differential effects of quinpirole and D-amphetamine microinjections. <i>European Journal of Pharmacology</i> , 1998 , 362, 111-9	5.3	21
23	Psychomotor-activating effects mediated by dopamine D(2) and D(3) receptors in the nucleus accumbens. <i>Pharmacology Biochemistry and Behavior</i> , 2000 , 67, 161-8	3.9	17
22	Modulation of methamphetamine's locomotor stimulation and self-administration by JHW 007, an atypical dopamine reuptake blocker. <i>European Journal of Pharmacology</i> , 2014 , 731, 73-9	5.3	16
21	Therapeutic-like properties of a dopamine uptake inhibitor in animal models of amphetamine addiction. <i>International Journal of Neuropsychopharmacology</i> , 2011 , 14, 655-65	5.8	16
20	Catalase-independent early-gene expression in rat brain following acute ethanol exposure. <i>Brain Research</i> , 2004 , 1016, 96-101	3.7	14
19	Prenatal exposure to alcohol and 3,4-methylenedioxymethamphetamine (ecstasy) alters adult hippocampal neurogenesis and causes enduring memory deficits. <i>Developmental Neuroscience</i> , 2014 , 36, 10-7	2.2	13
18	Substituting a long-acting dopamine uptake inhibitor for cocaine prevents relapse to cocaine seeking. <i>Addiction Biology</i> , 2013 , 18, 633-43	4.6	13
17	The atypical dopamine transport inhibitor, JHW 007, prevents amphetamine-induced sensitization and synaptic reorganization within the nucleus accumbens. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013 , 44, 73-80	5.5	13
16	Influence of Peer-Based Needle Exchange Programs on Mental Health Status in People Who Inject Drugs: A Nationwide New Zealand Study. <i>Frontiers in Psychiatry</i> , 2016 , 7, 211	5	12
15	Chronic exposure to 2,5-hexanedione impairs the glutamate-nitric oxide-cyclic GMP pathway in cerebellar neurons in culture and in rat brain in vivo. <i>Neurochemistry International</i> , 2003 , 42, 525-33	4.4	11
14	Influence of massed and distributed context preexposure on contextual fear and Egr-1 expression in the basolateral amygdala. <i>Physiology and Behavior</i> , 2008 , 93, 206-14	3.5	10

13	Rewarding effects of 3,4-methylenedioxymethamphetamine ("Ecstasy") in dominant and subordinate OF-1 mice in the place preference conditioning paradigm. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 191-9	5.5	10
12	Intermittent cortical stimulation evokes sensitization to cocaine and enduring changes in matrix and striosome neuron responsiveness. <i>Synapse</i> , 2005 , 57, 56-60	2.4	10
11	Amelioration of age-related brain function decline by Bruton's tyrosine kinase inhibition. <i>Aging Cell</i> , 2020 , 19, e13079	9.9	8
10	Protein Traffic Is an Intracellular Target in Alcohol Toxicity. <i>Pharmaceuticals</i> , 2011 , 4, 741-757	5.2	6
9	Relapse to cocaine seeking in an invertebrate. <i>Pharmacology Biochemistry and Behavior</i> , 2017 , 157, 41-46	3.9	5
8	A Neurophysiological and Behavioral Assessment of Interventions Targeting Attention Bias and Sense of Control in Binge Drinking. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 538	3.3	2
7	Replacement treatment during extinction training with the atypical dopamine uptake inhibitor, JHW-007, reduces relapse to methamphetamine seeking. <i>Neuroscience Letters</i> , 2018 , 671, 88-92	3.3	2
6	Asperuloside Enhances Taste Perception and Prevents Weight Gain in High-Fat Fed Mice. <i>Frontiers in Endocrinology</i> , 2021 , 12, 615446	5.7	2
5	Intensive longitudinal modelling predicts diurnal activity of salivary alpha-amylase. <i>PLoS ONE</i> , 2019 , 14, e0209475	3.7	1
4	Pooled Time Series Modeling Reveals Smoking Habit Memory Pattern. <i>Frontiers in Psychiatry</i> , 2020 , 11, 49	5	1
3	Effects of propranolol on the modification of trauma memory reconsolidation in PTSD patients: A systematic review and meta-analysis.. <i>Journal of Psychiatric Research</i> , 2022 , 150, 246-256	5.2	0
2	Diverse therapeutic developments for post-traumatic stress disorder (PTSD) indicate common mechanisms of memory modulation. 2022 , 108195		0
1	Asperuloside reduces food intake and body weight via downregulation of orexigenic hypothalamic signalling in a mouse model of metabolic syndrome.. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	