

Juan Carlos Leza

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.

58 papers	1,823 citations	24 h-index	41 g-index
64 ext. papers	2,281 ext. citations	5.8 avg, IF	4.68 L-index

#	Paper	IF	Citations
58	Glucocorticoid receptor gene (NR3C1) methylation processes as mediators of early adversity in stress-related disorders causality: A critical review. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 55, 520-35	9	184
57	Stress-induced neuroinflammation: role of the Toll-like receptor-4 pathway. <i>Biological Psychiatry</i> , 2013 , 73, 32-43	7.9	136
56	Inflammation in schizophrenia: A question of balance. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 55, 612-26	9	122
55	Pro-/anti-inflammatory dysregulation in patients with first episode of psychosis: toward an integrative inflammatory hypothesis of schizophrenia. <i>Schizophrenia Bulletin</i> , 2014 , 40, 376-87	1.3	116
54	Origin and consequences of brain Toll-like receptor 4 pathway stimulation in an experimental model of depression. <i>Journal of Neuroinflammation</i> , 2011 , 8, 151	10.1	109
53	Cognitive impairment is related to oxidative stress and chemokine levels in first psychotic episodes. <i>Schizophrenia Research</i> , 2012 , 137, 66-72	3.6	79
52	Toll-like 4 receptor inhibitor TAK-242 decreases neuroinflammation in rat brain frontal cortex after stress. <i>Journal of Neuroinflammation</i> , 2014 , 11, 8	10.1	78
51	Stress mediators regulate brain prostaglandin synthesis and peroxisome proliferator-activated receptor-gamma activation after stress in rats. <i>Endocrinology</i> , 2008 , 149, 1969-78	4.8	77
50	Risperidone normalizes increased inflammatory parameters and restores anti-inflammatory pathways in a model of neuroinflammation. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 121-35	5.8	64
49	Lipopolysaccharide enters the rat brain by a lipoprotein-mediated transport mechanism in physiological conditions. <i>Scientific Reports</i> , 2017 , 7, 13113	4.9	62
48	Oleylethanolamide prevents neuroimmune HMGB1/TLR4/NF-kB danger signaling in rat frontal cortex and depressive-like behavior induced by ethanol binge administration. <i>Addiction Biology</i> , 2017 , 22, 724-741	4.6	55
47	Systemic administration of oleylethanolamide protects from neuroinflammation and anhedonia induced by LPS in rats. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	48
46	Decreased glutathione levels predict loss of brain volume in children and adolescents with first-episode psychosis in a two-year longitudinal study. <i>Schizophrenia Research</i> , 2012 , 137, 58-65	3.6	41
45	Evidence of activation of the Toll-like receptor-4 proinflammatory pathway in patients with schizophrenia. <i>Journal of Psychiatry and Neuroscience</i> , 2016 , 41, E46-55	4.5	41
44	Endogenous cannabinoid system regulates intestinal barrier function in vivo through cannabinoid type 1 receptor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, G565-71	5.1	34
43	Toward Omics-Based, Systems Biomedicine, and Path and Drug Discovery Methodologies for Depression-Inflammation Research. <i>Molecular Neurobiology</i> , 2016 , 53, 2927-2935	6.2	30
42	Basal low antioxidant capacity correlates with cognitive deficits in early onset psychosis. A 2-year follow-up study. <i>Schizophrenia Research</i> , 2014 , 156, 23-9	3.6	30

41	Chronic Mild Stress Alters Kynurenine Pathways Changing the Glutamate Neurotransmission in Frontal Cortex of Rats. <i>Molecular Neurobiology</i> , 2019 , 56, 490-501	6.2	29
40	Severe mental illness and European COVID-19 vaccination strategies. <i>Lancet Psychiatry</i> , 2021 , 8, 356-359	3.5	28
39	The Atypical Antipsychotic Paliperidone Regulates Endogenous Antioxidant/Anti-Inflammatory Pathways in Rat Models of Acute and Chronic Restraint Stress. <i>Neurotherapeutics</i> , 2016 , 13, 833-843	6.4	28
38	Modulation of the antioxidant nuclear factor (erythroid 2-derived)-like 2 pathway by antidepressants in rats. <i>Neuropharmacology</i> , 2016 , 103, 79-91	5.5	27
37	Bacterial translocation affects intracellular neuroinflammatory pathways in a depression-like model in rats. <i>Neuropharmacology</i> , 2016 , 103, 122-33	5.5	27
36	Group B Streptococcus and E. coli LPS-induced NO-dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets. <i>British Journal of Pharmacology</i> , 1995 , 115, 261-6	8.6	25
35	Paliperidone reverts Toll-like receptor 3 signaling pathway activation and cognitive deficits in a maternal immune activation mouse model of schizophrenia. <i>Neuropharmacology</i> , 2017 , 116, 196-207	5.5	23
34	Comparison of the anti-inflammatory effect of aripiprazole and risperidone in 75 drug-naïve first episode psychosis individuals: A 3 months randomized study. <i>Schizophrenia Research</i> , 2018 , 202, 226-233	3.6	21
33	Discrimination between Alzheimer's Disease and Late Onset Bipolar Disorder Using Multivariate Analysis. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 231	5.3	20
32	Pro-/antiinflammatory dysregulation in early psychosis: results from a 1-year follow-up study. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	18
31	Differential regulation of the TLR4 signalling pathway in post-mortem prefrontal cortex and cerebellum in chronic schizophrenia: Relationship with SP transcription factors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 79, 481-492	5.5	17
30	Reboxetine Treatment Reduces Neuroinflammation and Neurodegeneration in the 5xFAD Mouse Model of Alzheimer's Disease: Role of CCL2. <i>Molecular Neurobiology</i> , 2019 , 56, 8628-8642	6.2	16
29	Risperidone Ameliorates Prefrontal Cortex Neural Atrophy and Oxidative/Nitrosative Stress in Brain and Peripheral Blood of Rats with Neonatal Ventral Hippocampus Lesion. <i>Journal of Neuroscience</i> , 2019 , 39, 8584-8599	6.6	16
28	Dysregulated peripheral endocannabinoid system signaling is associated with cognitive deficits in first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2016 , 75, 14-21	5.2	14
27	Risperidone administered during adolescence induced metabolic, anatomical and inflammatory/oxidative changes in adult brain: A PET and MRI study in the maternal immune stimulation animal model. <i>European Neuropsychopharmacology</i> , 2019 , 29, 880-896	1.2	13
26	Birth weight, working memory and epigenetic signatures in IGF2 and related genes: a MZ twin study. <i>PLoS ONE</i> , 2014 , 9, e103639	3.7	13
25	Dysfunction of inflammatory pathways in adolescent female patients with anorexia nervosa. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020 , 96, 109727	5.5	13
24	Viewpoint European COVID-19 exit strategy for people with severe mental disorders: Too little, but not yet too late. <i>Brain, Behavior, and Immunity</i> , 2021 , 94, 15-17	16.6	11

23	Cardiovascular Risk in Early Psychosis: Relationship with Inflammation and Clinical Features 6 Months after Diagnosis. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 410-422	5.8	10
22	Repeated Restraint Stress Decreases Na,K-ATPase Activity via Oxidative and Nitrosative Damage in the Frontal Cortex of Rats. <i>Neuroscience</i> , 2018 , 393, 273-283	3.9	10
21	Noradrenaline induces CX3CL1 production and release by neurons. <i>Neuropharmacology</i> , 2017 , 114, 146-155	5.5	9
20	Stress induced by the socially evaluated cold-pressor test cause equivalent deficiencies of sensory gating in male subjects with schizophrenia and healthy controls. <i>Psychiatry Research</i> , 2015 , 228, 283-8	9.9	9
19	Gut microbiota, innate immune pathways, and inflammatory control mechanisms in patients with major depressive disorder.. <i>Translational Psychiatry</i> , 2021 , 11, 645	8.6	9
18	Microglial CX3CR1 production increases in Alzheimer's disease and is regulated by noradrenaline. <i>Glia</i> , 2021 , 69, 73-90	9	9
17	Modulation of Monoaminergic Systems by Antidepressants in the Frontal Cortex of Rats After Chronic Mild Stress Exposure. <i>Molecular Neurobiology</i> , 2019 , 56, 7522-7533	6.2	8
16	Inflammatory and antioxidant pathway dysfunction in borderline personality disorder. <i>Psychiatry Research</i> , 2020 , 284, 112782	9.9	8
15	Alternative Method to Detect Neuronal Degeneration and Amyloid Accumulation in Free-Floating Brain Sections With Fluoro-Jade. <i>ASN Neuro</i> , 2018 , 10, 1759091418784357	5.3	8
14	Toll-like receptor 4 agonist and antagonist lipopolysaccharides modify innate immune response in rat brain circumventricular organs. <i>Journal of Neuroinflammation</i> , 2020 , 17, 6	10.1	8
13	The prefrontal cortex as a target for atypical antipsychotics in schizophrenia, lessons of neurodevelopmental animal models. <i>Progress in Neurobiology</i> , 2021 , 199, 101967	10.9	8
12	Effects of the antipsychotic paliperidone on stress-induced changes in the endocannabinoid system in rat prefrontal cortex. <i>World Journal of Biological Psychiatry</i> , 2017 , 18, 457-470	3.8	4
11	Omega-3 fatty acids during adolescence prevent schizophrenia-related behavioural deficits: Neurophysiological evidences from the prenatal viral infection with PolyI:C. <i>European Neuropsychopharmacology</i> , 2021 , 46, 14-27	1.2	3
10	Paliperidone Reversion of Maternal Immune Activation-Induced Changes on Brain Serotonin and Kynurenine Pathways. <i>Frontiers in Pharmacology</i> , 2021 , 12, 682602	5.6	3
9	Neuroplasticity and inflammatory alterations in the nucleus accumbens are corrected after risperidone treatment in a schizophrenia-related developmental model in rats. <i>Schizophrenia Research</i> , 2021 , 235, 17-28	3.6	3
8	Depletion of brain perivascular macrophages regulates acute restraint stress-induced neuroinflammation and oxidative/nitrosative stress in rat frontal cortex. <i>European Neuropsychopharmacology</i> , 2020 , 34, 50-64	1.2	2
7	Expression and Functionality Study of 9 Toll-Like Receptors in 33 Drug-Naïve Non-Affective First Episode Psychosis Individuals: A 3-Month Study. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
6	The Role of the Oral Microbiota Related to Periodontal Diseases in Anxiety, Mood and Trauma- and Stress-Related Disorders.. <i>Frontiers in Psychiatry</i> , 2021 , 12, 814177	5	1

5	Kynurenine pathway in post-mortem prefrontal cortex and cerebellum in schizophrenia: relationship with monoamines and symptomatology. <i>Journal of Neuroinflammation</i> , 2021 , 18, 198	10.1	1
4	Preclinical animal models of mental illnesses to translate findings from the bench to the bedside: Molecular brain mechanisms and peripheral biomarkers associated to early life stress or immune challenges.. <i>European Neuropsychopharmacology</i> , 2022 , 58, 55-79	1.2	1
3	Dysfunction of Inflammatory Pathways and Their Relationship With Psychological Factors in Adult Female Patients With Eating Disorders.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 846172	5.6	0
2	Sphk2 deletion is involved in structural abnormalities and Th17 response but does not aggravate colon inflammation induced by sub-chronic stress.. <i>Scientific Reports</i> , 2022 , 12, 4073	4.9	
1	The role of BDNF and NGF plasma levels in first-episode schizophrenia: A longitudinal study.. <i>European Neuropsychopharmacology</i> , 2022 , 57, 105-117	1.2	