

Juan C Piñón-Crespo

List of Publications by Year in descending order

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31
papers

2,046
citations

430874

18
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

3646
citing authors

#	ARTICLE	IF	CITATIONS
1	A β induces astrocytic glutamate release, extrasynaptic NMDA receptor activation, and synaptic loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2518-27.	7.1	495
2	TREM2 Is a Receptor for β -Amyloid that Mediates Microglial Function. <i>Neuron</i> , 2018, 97, 1023-1031.e7.	8.1	462
3	Astrocytes contribute to gamma oscillations and recognition memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3343-52.	7.1	203
4	Restoring Wnt/ β -catenin signaling is a promising therapeutic strategy for Alzheimer's disease. <i>Molecular Brain</i> , 2019, 12, 104.	2.6	172
5	Excitatory Glycine Responses of CNS Myelin Mediated by NR1/NR3 α -NMDA Receptor Subunits. <i>Journal of Neuroscience</i> , 2010, 30, 11501-11505.	3.6	86
6	β -Synuclein Oligomers Induce Glutamate Release from Astrocytes and Excessive Extrasynaptic NMDAR Activity in Neurons, Thus Contributing to Synapse Loss. <i>Journal of Neuroscience</i> , 2021, 41, 2264-2273.	3.6	66
7	Exocytic Trafficking Is Required for Nicotine-induced Up-regulation of β -4 β 2 Nicotinic Acetylcholine Receptors. <i>Journal of Biological Chemistry</i> , 2005, 280, 18311-18320.	3.4	65
8	Differential Effects of Synaptic and Extrasynaptic NMDA Receptors on β -Induced Nitric Oxide Production in Cerebrocortical Neurons. <i>Journal of Neuroscience</i> , 2014, 34, 5023-5028.	3.6	51
9	Tau-mediated Neurodegeneration and Potential Implications in Diagnosis and Treatment of Alzheimer's Disease. <i>Chinese Medical Journal</i> , 2017, 130, 2978-2990.	2.3	49
10	Pharmacologically targeted NMDA receptor antagonism by NitroMemantine for cerebrovascular disease. <i>Scientific Reports</i> , 2015, 5, 14781.	3.3	47
11	Combination of methamphetamine and HIV-1 gp120 causes distinct long-term alterations of behavior, gene expression, and injury in the central nervous system. <i>Experimental Neurology</i> , 2015, 263, 221-234.	4.1	47
12	Localization of glutamate receptors to distal dendrites depends on subunit composition and the kinesin motor protein KIF17. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 219-230.	2.2	46
13	Subtypes of NMDA receptors in newborn rat hippocampal granule cells. <i>Journal of Physiology</i> , 2002, 541, 41-64.	2.9	41
14	SORLA attenuates EphA4 signaling and amyloid β -induced neurodegeneration. <i>Journal of Experimental Medicine</i> , 2017, 214, 3669-3685.	8.5	35
15	High-Frequency Hippocampal Oscillations Activated by Optogenetic Stimulation of Transplanted Human ESC-Derived Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 15837-15842.	3.6	32
16	MEF2D haploinsufficiency downregulates the NRF2 pathway and renders photoreceptors susceptible to light-induced oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4048-E4056.	7.1	27
17	Membralin deficiency dysregulates astrocytic glutamate homeostasis, leading to ALS-like impairment. <i>Journal of Clinical Investigation</i> , 2019, 129, 3103-3120.	8.2	27
18	Levetiracetam inhibits oligomeric β -induced glutamate release from human astrocytes. <i>NeuroReport</i> , 2016, 27, 705-709.	1.2	23

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19	SCH23390 Reduces Methamphetamine Self-Administration and Prevents Methamphetamine-Induced Striatal LTD. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6491.	4.1	16
20	Low doses of urethane effectively inhibit spinal seizures evoked by sudden cooling of toad isolated spinal cord. <i>Life Sciences</i> , 1992, 51, 461-465.	4.3	8
21	NitroSynapsin for the treatment of neurological manifestations of tuberous sclerosis complex in a rodent model. <i>Neurobiology of Disease</i> , 2019, 127, 390-397.	4.4	8
22	Concept of Excitotoxicity via Glutamate Receptors. , 2014, , 1015-1038.		8
23	Molecular Pathway to Protection From Age-Dependent Photoreceptor Degeneration in Mef2 Deficiency. , 2017, 58, 3741.		6
24	Motor impairment and neuronal damage following hypothermia in tropical amphibians. <i>International Journal of Experimental Pathology</i> , 2006, 88, 1-7.	1.3	5
25	Activity of common anticonvulsant drugs on spinal seizure-induced by sudden cooling. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006, 30, 1202-1208.	4.8	4
26	Acute Ethanol Exposure Enhances Synaptic Plasticity in the Dorsal Striatum in Adult Male and Female Rats. <i>Brain Plasticity</i> , 2020, 6, 113-122.	3.5	3
27	Sexually dimorphic prelimbic cortex mechanisms play a role in alcohol dependence: protection by endostatin. <i>Neuropsychopharmacology</i> , 2021, 46, 1937-1949.	5.4	3
28	Caveolin-1 Expression in the Dorsal Striatum Drives Methamphetamine Addiction-Like Behavior. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8219.	4.1	2
29	Ketamine abolishes the tonic phase of the seizures evoked by sudden cooling of toad isolated spinal cords. <i>Neuropharmacology</i> , 1992, 31, 509-512.	4.1	1
30	Initial Biphasic Fractional Anisotropy Response to Blast-Induced Mild Traumatic Brain Injury in a Mouse Model. <i>Military Medicine</i> , 2020, 185, 243-247.	0.8	1
31	Differential Effects of Synaptic and Extrasynaptic NMDA Receptors on Al^{2+} -Induced Nitric Oxide Production in Cerebrocortical Neurons. <i>Biophysical Journal</i> , 2014, 106, 152a.	0.5	0