

Diego Ruano

List of Publications by Year in descending order

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47
papers

7,318
citations

218677

26
h-index

214800

47
g-index

48
all docs

48
docs citations

48
times ranked

16597
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Inflammatory Response in the Hippocampus of PS1 ^{M146L} /APP ^{751SL} Mouse Model of Alzheimer's Disease: Age-Dependent Switch in the Microglial Phenotype from Alternative to Classic. <i>Journal of Neuroscience</i> , 2008, 28, 11650-11661.	3.6	340
3	Cellular environment facilitates protein accumulation in aged rat hippocampus. <i>Neurobiology of Aging</i> , 2006, 27, 973-982.	3.1	179
4	Abnormal accumulation of autophagic vesicles correlates with axonal and synaptic pathology in young Alzheimer's mice hippocampus. <i>Acta Neuropathologica</i> , 2012, 123, 53-70.	7.7	179
5	Early neuropathology of somatostatin/NPY GABAergic cells in the hippocampus of a PS1 ^{ΔE} -APP transgenic model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006, 27, 1658-1672.	3.1	175
6	Age-dependent Accumulation of Soluble Amyloid A ² (A ²) Oligomers Reverses the Neuroprotective Effect of Soluble Amyloid Precursor Protein-1 [±] (sAPP ^{1±}) by Modulating Phosphatidylinositol 3-Kinase (PI3K)/Akt-GSK-3 ^β Pathway in Alzheimer Mouse Model. <i>Journal of Biological Chemistry</i> , 2011, 286, 18414-18425.	3.4	164
7	Kainate receptor subunits expressed in single cultured hippocampal neurons: Molecular and functional variants by RNA editing. <i>Neuron</i> , 1995, 14, 1009-1017.	8.1	138
8	Comparative autoradiographic distribution of central A ¹ (benzodiazepine) modulatory site subtypes with high, intermediate and low affinity for zolpidem and alpidem. <i>Brain Research</i> , 1993, 604, 240-250.	2.2	92
9	Anti-inflammatory Activity of a Honey Flavonoid Extract on Lipopolysaccharide-Activated N13 Microglial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 12304-12311.	5.2	90
10	Rat hippocampal GABAergic molecular markers are differentially affected by ageing. <i>Journal of Neurochemistry</i> , 2003, 85, 368-377.	3.9	86
11	Calretinin Interneurons are Early Targets of Extracellular Amyloid- β Pathology in PS1/A ² PP Alzheimer Mice Hippocampus. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 119-132.	2.6	81
12	Nucleus-Specific Abnormalities of GABAergic Synaptic Transmission in a Genetic Model of Absence Seizures. <i>Journal of Neurophysiology</i> , 2006, 96, 3074-3081.	1.8	72
13	Heterogeneity in the Allosteric Interaction Between the γ -Aminobutyric Acid (GABA) Binding Site and Three Different Benzodiazepine Binding Sites of the GABAA/Benzodiazepine Receptor Complex in the Rat Nervous System. <i>Journal of Neurochemistry</i> , 1992, 58, 485-493.	3.9	67
14	Molecular and cellular characterization of the age-related neuroinflammatory processes occurring in normal rat hippocampus: potential relation with the loss of somatostatin GABAergic neurons. <i>Journal of Neurochemistry</i> , 2007, 103, 984-996.	3.9	67
15	Age-related increase in the immunoproteasome content in rat hippocampus: molecular and functional aspects. <i>Journal of Neurochemistry</i> , 2009, 108, 260-272.	3.9	58
16	Lipopolysaccharide-induced neuroinflammation leads to the accumulation of ubiquitinated proteins and increases susceptibility to neurodegeneration induced by proteasome inhibition in rat hippocampus. <i>Journal of Neuroinflammation</i> , 2012, 9, 87.	7.2	54
17	Molecular and Pharmacological Characterization of Native Cortical β -Aminobutyric Acid A Receptors Containing Both β 1 and β 3 Subunits. <i>Journal of Biological Chemistry</i> , 1996, 271, 27902-27911.	3.4	51
18	Dysfunction of the unfolded protein response increases neurodegeneration in aged rat hippocampus following proteasome inhibition. <i>Aging Cell</i> , 2009, 8, 654-665.	6.7	50

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19	GABAA receptor subunit expression changes in the rat cerebellum and cerebral cortex during aging. <i>Molecular Brain Research</i> , 1997, 45, 59-70.	2.3	49
20	Absence of association between $\hat{\Gamma}$ and $\hat{\Gamma}2$ subunits in native GABAA receptors from rat brain. <i>European Journal of Pharmacology</i> , 1998, 347, 347-353.	3.5	46
21	Extracellular Amyloid- $\hat{\Gamma}2$ and Cytotoxic Glial Activation Induce Significant Entorhinal Neuron Loss in Young PS1M146L/APP751SL Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 18, 755-776.	2.6	40
22	GABAA and $\hat{\Gamma}$ -Amino-3-hydroxy-5-methylisoxazole-4-propionate Receptors Are Differentially Affected by Aging in the Rat Hippocampus. <i>Journal of Biological Chemistry</i> , 2000, 275, 19585-19593.	3.4	33
23	Expression of $\hat{\Gamma}5$ GABAA receptor subunit in developing rat hippocampus. <i>Developmental Brain Research</i> , 2004, 151, 87-98.	1.7	31
24	Age-related dysfunctions of the autophagy lysosomal pathway in hippocampal pyramidal neurons under proteasome stress. <i>Neurobiology of Aging</i> , 2015, 36, 1953-1963.	3.1	30
25	Aging-Associated Changes in the Pharmacological Properties of the Benzodiazepine ($\hat{\Gamma}$) Receptor Isoforms in the Rat Hippocampus. <i>Journal of Neurochemistry</i> , 1995, 64, 867-873.	3.9	29
26	Molecular characterization of Type I GABAA receptor complex from rat cerebral cortex and hippocampus. <i>Molecular Brain Research</i> , 1994, 25, 225-233.	2.3	28
27	Postnatal development of the $\hat{\Gamma}1$ containing GABAA receptor subunit in rat hippocampus. <i>Developmental Brain Research</i> , 2004, 148, 129-141.	1.7	27
28	Autophagic receptor p62 protects against glycation-derived toxicity and enhances viability. <i>Aging Cell</i> , 2020, 19, e13257.	6.7	27
29	Learning improvement after PI3K activation correlates with de novo formation of functional small spines. <i>Frontiers in Molecular Neuroscience</i> , 2014, 6, 54.	2.9	26
30	SIRT1 activation with neuroheal is neuroprotective but SIRT2 inhibition with AK7 is detrimental for disconnected motoneurons. <i>Cell Death and Disease</i> , 2018, 9, 531.	6.3	26
31	Expression of GABA Receptor Subunit mRNAs by Layer V Pyramidal Cells of the Rat Primary Visual Cortex. <i>European Journal of Neuroscience</i> , 1997, 9, 857-862.	2.6	24
32	Regional difference in inflammatory response to LPS-injection in the brain: Role of microglia cell density. <i>Journal of Neuroimmunology</i> , 2011, 238, 44-51.	2.3	24
33	Molecular heterogeneity of the type I GABAA/benzodiazepine receptor complex. <i>European Journal of Pharmacology</i> , 1994, 267, 123-128.	2.6	22
34	Prevalence between different $\hat{\Gamma}$ -subunits performing the benzodiazepine binding sites in native heterologous GABAA receptors containing the $\hat{\Gamma}2$ subunit. <i>Journal of Neurochemistry</i> , 2008, 79, 183-191.	3.9	21
35	Distribution of NADPH-diaphorase and nitric oxide synthase reactivity in the central nervous system of the goldfish (<i>Carassius auratus</i>). <i>Journal of Chemical Neuroanatomy</i> , 2008, 35, 12-32.	2.1	21
36	Neuroinflammation alters cellular proteostasis by producing endoplasmic reticulum stress, autophagy activation and disrupting ERAD activation. <i>Scientific Reports</i> , 2017, 7, 8100.	3.3	21

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37	Absence of modifications of the pharmacological properties of the GABAA receptor complex during aging, as assessed in 3- and 24-month-old rat cerebral cortex. <i>European Journal of Pharmacology</i> , 1993, 246, 81-87.	2.6	19
38	Breast cancer cell line MCF7 escapes from G1/S arrest induced by proteasome inhibition through a GSK-3 β dependent mechanism. <i>Scientific Reports</i> , 2015, 5, 10027.	3.3	19
39	Age-related modifications on the GABAA receptor binding properties from Wistar rat prefrontal cortex. <i>Brain Research</i> , 1996, 738, 103-108.	2.2	18
40	Age and meloxicam attenuate the ischemia/reperfusion-induced down-regulation in the NMDA receptor genes. <i>Neurochemistry International</i> , 2010, 56, 878-885.	3.8	18
41	Proteostasis Dysfunction in Aged Mammalian Cells. The Stressful Role of Inflammation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 658742.	3.5	16
42	Pharmacological properties of the GABAA receptor complex from brain regions of (hypoemotional) Roman high- and (hyperemotional) low-avoidance rats. <i>European Journal of Pharmacology</i> , 1998, 354, 91-97.	3.5	15
43	Centrosomal aggregates and Golgi fragmentation disrupt vesicular trafficking of DAT. <i>Neurobiology of Aging</i> , 2012, 33, 2462-2477.	3.1	11
44	Subunit composition of rat ventral spinal cord GABAA receptors, assessed by single cell RT-multiplex PCR. <i>NeuroReport</i> , 2000, 11, 3169-3173.	1.2	9
45	Rapid PCR-mediated synthesis of competitor molecules for accurate quantification of β 2 GABAA receptor subunit mRNA. <i>Brain Research Protocols</i> , 2001, 8, 184-190.	1.6	9
46	Inter-individual variability in the expression of the mutated form of hPS1M146L determined the production of A β peptides in the PS1xAPP transgenic mice. <i>Journal of Neuroscience Research</i> , 2007, 85, 787-797.	2.9	9
47	Age-related differences in the dynamics of hippocampal proteasome recovery. <i>Journal of Neurochemistry</i> , 2012, 123, 635-644.	3.9	6