

Antonia Gutierrez Prez

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.

81
papers

3,516
citations

32
h-index

58
g-index

92
ext. papers

4,560
ext. citations

7.4
avg, IF

4.8
L-index

#	Paper	IF	Citations
81	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021 , 24, 312-325	32.5	298
80	Inflammatory response in the hippocampus of PS1M146L/APP751SL mouse model of Alzheimer's disease: age-dependent switch in the microglial phenotype from alternative to classic. <i>Journal of Neuroscience</i> , 2008 , 28, 11650-61	6.6	295
79	Prominence of the dopamine D2 short isoform in dopaminergic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 7731-6	11.5	225
78	Differential regional and cellular distribution of dopamine D2-like receptors: an immunocytochemical study of subtype-specific antibodies in rat and human brain. <i>Journal of Comparative Neurology</i> , 1998 , 402, 353-71	3.4	215
77	Age-dependent accumulation of soluble amyloid beta (A β) oligomers reverses the neuroprotective effect of soluble amyloid precursor protein-alpha (sAPP(alpha)) by modulating phosphatidylinositol 3-kinase (PI3K)/Akt-GSK-3 β pathway in Alzheimer mouse model. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18414-25	5.4	141
76	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	14.3	138
75	Early neuropathology of somatostatin/NPY GABAergic cells in the hippocampus of a PS1xAPP transgenic model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006 , 27, 1658-72	5.6	136
74	Microglia in Alzheimer's Disease: Activated, Dysfunctional or Degenerative. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 140	5.3	92
73	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2019 , 138, 251-273	14.3	91
72	Phagocytic clearance of presynaptic dystrophies by reactive astrocytes in Alzheimer's disease. <i>Glia</i> , 2018 , 66, 637-653	9	87
71	Soluble phospho-tau from Alzheimer's disease hippocampus drives microglial degeneration. <i>Acta Neuropathologica</i> , 2016 , 132, 897-916	14.3	85
70	Rat hippocampal GABAergic molecular markers are differentially affected by ageing. <i>Journal of Neurochemistry</i> , 2003 , 85, 368-77	6	81
69	The subunit composition of a GABA α /benzodiazepine receptor from rat cerebellum. <i>Journal of Neurochemistry</i> , 1994 , 63, 371-4	6	77
68	Calretinin interneurons are early targets of extracellular amyloid-beta pathology in PS1/A β PP Alzheimer mice hippocampus. <i>Journal of Alzheimer's Disease</i> , 2010 , 21, 119-32	4.3	74
67	Nuclear localization of L-type glutaminase in mammalian brain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 38939-44	5.4	73
66	Defective lysosomal proteolysis and axonal transport are early pathogenic events that worsen with age leading to increased APP metabolism and synaptic A β in transgenic APP/PS1 hippocampus. <i>Molecular Neurodegeneration</i> , 2012 , 7, 59	19	72
65	The alpha 1 and alpha 6 subunits can coexist in the same cerebellar GABA α receptor maintaining their individual benzodiazepine-binding specificities. <i>Journal of Neurochemistry</i> , 1996 , 66, 685-91	6	72

64	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, 984-96	6	58
63	Role of layer 6 of V2 visual cortex in object-recognition memory. <i>Science</i> , 2009 , 325, 87-9	33.3	57
62	Short and long form gamma 2 subunits of the GABAA/benzodiazepine receptors. <i>Journal of Neurochemistry</i> , 1994 , 63, 1466-76	6	56
61	N370S-GBA1 mutation causes lysosomal cholesterol accumulation in Parkinson's disease. <i>Movement Disorders</i> , 2017 , 32, 1409-1422	7	48
60	Impaired AMPA signaling and cytoskeletal alterations induce early synaptic dysfunction in a mouse model of Alzheimer's disease. <i>Aging Cell</i> , 2018 , 17, e12791	9.9	45
59	GABAA receptor subunit expression changes in the rat cerebellum and cerebral cortex during aging. <i>Molecular Brain Research</i> , 1997 , 45, 59-70		44
58	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	10.1	43
57	Immunocytochemical localization of the alpha 6 subunit of the gamma-aminobutyric acidA receptor in the rat nervous system. <i>Journal of Comparative Neurology</i> , 1996 , 365, 504-10	3.4	41
56	Attenuation of cocaine-induced conditioned locomotion is associated with altered expression of hippocampal glutamate receptors in mice lacking LPA1 receptors. <i>Psychopharmacology</i> , 2012 , 220, 27-42	4.7	39
55	Expression of the scaffolding PDZ protein glutaminase-interacting protein in mammalian brain. <i>Journal of Neuroscience Research</i> , 2008 , 86, 281-92	4.4	39
54	Cellular localization and distribution of dopamine D(4) receptors in the rat cerebral cortex and their relationship with the cortical dopaminergic and noradrenergic nerve terminal networks. <i>Neuroscience</i> , 2008 , 155, 997-1010	3.9	38
53	Early neuronal loss and axonal/presynaptic damage is associated with accelerated amyloid- β accumulation in APP/PS1 Alzheimer's disease mice subiculum. <i>Journal of Alzheimer's Disease</i> , 2014 , 42, 521-41	4.3	36
52	Distribution of neuropeptide Y (NPY) in the cerebral cortex of the lizards <i>Psammotromus algirus</i> and <i>Podarcis hispanica</i> : co-localization of NPY, somatostatin, and GABA. <i>Journal of Comparative Neurology</i> , 1991 , 308, 397-408	3.4	36
51	Differential expression of the short and long forms of the gamma 2 subunit of the GABAA/benzodiazepine receptors. <i>Molecular Brain Research</i> , 1994 , 24, 129-39		35
50	Extracellular amyloid-beta and cytotoxic glial activation induce significant entorhinal neuron loss in young PS1(M146L)/APP(751SL) mice. <i>Journal of Alzheimer's Disease</i> , 2009 , 18, 755-76	4.3	32
49	Asp32 and Asp228 determine the selective inhibition of BACE1 as shown by docking and molecular dynamics simulations. <i>European Journal of Medicinal Chemistry</i> , 2016 , 124, 1142-1154	6.8	30
48	Expression of Gls and Gls2 glutaminase isoforms in astrocytes. <i>Glia</i> , 2015 , 63, 365-82	9	29
47	Amyloid- β reduces the expression of neuronal FAIM-L, thereby shifting the inflammatory response mediated by TNF from neuronal protection to death. <i>Cell Death and Disease</i> , 2015 , 6, e1639	9.8	27

46	Activity-dependent neuroprotective protein (ADNP) expression in the amyloid precursor protein/presenilin 1 mouse model of Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 2010 , 41, 114-20	3.3	27
45	Altered expression of gamma 2L and gamma 2S GABAA receptor subunits in the aging rat brain. <i>Molecular Brain Research</i> , 1996 , 35, 91-102		27
44	Expression of alpha 5 GABAA receptor subunit in developing rat hippocampus. <i>Developmental Brain Research</i> , 2004 , 151, 87-98		26
43	Dual roles of Aβ in proliferative processes in an amyloidogenic model of Alzheimer's disease. <i>Scientific Reports</i> , 2017 , 7, 10085	4.9	22
42	Postnatal development of the alpha1 containing GABAA receptor subunit in rat hippocampus. <i>Developmental Brain Research</i> , 2004 , 148, 129-41		22
41	Distinct disease-sensitive GABAergic neurons in the perirhinal cortex of Alzheimer's mice and patients. <i>Brain Pathology</i> , 2020 , 30, 345-363	6	21
40	Localization of the GoLoco motif carrier regulator of G-protein signalling 12 and 14 proteins in monkey and rat brain. <i>European Journal of Neuroscience</i> , 2006 , 23, 2971-82	3.5	20
39	Toward a New Concept of Alzheimer's Disease Models: A Perspective from Neuroinflammation. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, S329-S338	4.3	18
38	In vivo modification of Aβ plaque toxicity as a novel neuroprotective lithium-mediated therapy for Alzheimer's disease pathology. <i>Acta Neuropathologica Communications</i> , 2013 , 1, 73	7.3	18
37	Disruption of amyloid plaques integrity affects the soluble oligomers content from Alzheimer disease brains. <i>PLoS ONE</i> , 2014 , 9, e114041	3.7	17
36	Use of human pluripotent stem cell-derived cells for neurodegenerative disease modeling and drug screening platform. <i>Future Medicinal Chemistry</i> , 2019 , 11, 1305-1322	4.1	16
35	Amyloid-beta impairs TOM1-mediated IL-1R1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21198-21206	11.5	16
34	Increased levels of tumour necrosis factor alpha (TNFα) but not transforming growth factor-beta 1 (TGFβ1) are associated with the severity of congenital hydrocephalus in the hyh mouse. <i>Neuropathology and Applied Neurobiology</i> , 2014 , 40, 911-32	5.2	16
33	Regulatory cross-talk of mouse liver polyamine and methionine metabolic pathways: a systemic approach to its physiopathological consequences. <i>Amino Acids</i> , 2012 , 42, 577-95	3.5	15
32	Distribution of C-terminal splice variant of G alpha i2 in rat and monkey brain. <i>Neuroscience</i> , 2004 , 127, 833-43	3.9	14
31	Segregation of two glutaminase isoforms in islets of Langerhans. <i>Biochemical Journal</i> , 2004 , 381, 483-7	3.8	14
30	A tangential neuronal migration in the olfactory bulbs of adult lizards. <i>NeuroReport</i> , 1996 , 7, 1257-60	1.7	14
29	Distinct Microglial Responses in Two Transgenic Murine Models of TAU Pathology. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 421	6.1	14

28	The gamma subunits of the native GABAA/benzodiazepine receptors. <i>Neurochemical Research</i> , 1996 , 21, 147-59	4.6	13
27	Astrocytes: From the Physiology to the Disease. <i>Current Alzheimer Research</i> , 2019 , 16, 675-698	3	13
26	Nuclear Translocation of Glutaminase GLS2 in Human Cancer Cells Associates with Proliferation Arrest and Differentiation. <i>Scientific Reports</i> , 2020 , 10, 2259	4.9	13
25	Generation of a humanized A β -expressing mouse demonstrating aspects of Alzheimer's disease-like pathology. <i>Nature Communications</i> , 2021 , 12, 2421	17.4	13
24	Sex-dependent calcium hyperactivity due to lysosomal-related dysfunction in astrocytes from APOE4 versus APOE3 gene targeted replacement mice. <i>Molecular Neurodegeneration</i> , 2020 , 15, 35	19	12
23	Glutaminase and MMP-9 Downregulation in Cortex and Hippocampus of LPA Receptor Null Mice Correlate with Altered Dendritic Spine Plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 278	6.1	11
22	Generation of oligodendrocytes and establishment of an all-human myelinating platform from human pluripotent stem cells. <i>Nature Protocols</i> , 2020 , 15, 3716-3744	18.8	11
21	Human Pluripotent Stem Cell-Derived Neural Cells as a Relevant Platform for Drug Screening in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
20	Enhancing microtubule stabilization rescues cognitive deficits and ameliorates pathological phenotype in an amyloidogenic Alzheimer's disease model. <i>Scientific Reports</i> , 2020 , 10, 14776	4.9	10
19	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, 787-97	4.4	9
18	Serotonin innervation of the cerebral cortex in lizards. <i>Brain Research</i> , 1989 , 488, 213-20	3.7	9
17	Hypoxia compromises the mitochondrial metabolism of Alzheimer's disease microglia via HIF1. <i>Nature Aging</i> , 2021 , 1, 385-399		9
16	Non-productive angiogenesis disassembles A β -plaque-associated blood vessels. <i>Nature Communications</i> , 2021 , 12, 3098	17.4	8
15	Amyloid- β impairs the phagocytosis of dystrophic synapses by astrocytes in Alzheimer's disease. <i>Glia</i> , 2021 , 69, 997-1011	9	8
14	Role of a Galphai2 protein splice variant in the formation of an intracellular dopamine D2 receptor pool. <i>Journal of Cell Science</i> , 2007 , 120, 2171-8	5.3	7
13	Glutaminase activity is confined to the mantle of the islets of Langerhans. <i>Biochimie</i> , 2007 , 89, 1366-71	4.6	7
12	Plaque-Associated Oligomeric Amyloid-Beta Drives Early Synaptotoxicity in APP/PS1 Mice Hippocampus: Ultrastructural Pathology Analysis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 752594	5.1	5
11	Animal and Cellular Models of Alzheimer's Disease: Progress, Promise, and Future Approaches. <i>Neuroscientist</i> , 2021 , 10738584211001753	7.6	5

10	Age-related immune alterations and cerebrovascular inflammation. <i>Molecular Psychiatry</i> , 2021 ,	15.1	4
9	Neocortical tissue recovery in severe congenital obstructive hydrocephalus after intraventricular administration of bone marrow-derived mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 121	8.3	3
8	A Distinct Metabolite Profile Correlates with Neurodegenerative Conditions and the Severity of Congenital Hydrocephalus. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018 , 77, 1122-1136	3.1	3
7	Aβ oligomers trigger necroptosis-mediated neurodegeneration via microglia activation in Alzheimer's disease.. <i>Acta Neuropathologica Communications</i> , 2022 , 10, 31	7.3	3
6	Should We Open Fire on Microglia? Depletion Models as Tools to Elucidate Microglial Role in Health and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
5	Transgenic Mouse Models of Alzheimer's Disease: An Integrative Analysis. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5404	6.3	2
4	Longitudinal Assessment of Tau-Associated Pathology by F-THK5351 PET Imaging: A Histological, Biochemical, and Behavioral Study. <i>Diagnostics</i> , 2021 , 11,	3.8	1
3	The Insulin Receptor in Astrocytes is Involved in the Entrance of Circulating Insulin into the Brain		1
2	Amyloid propagation in a sporadic model of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045657	1.2	
1	P1-103: LITHIUM AMELIORATES THE NEURONAL PATHOLOGY IN A PS1/APP ALZHEIMER'S MODEL BY CHANGING PLAQUE TOXICITY 2014 , 10, P339-P339		