

# Angel Cedazo-Minguez

## List of Publications by Year in descending order

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89  
papers

6,252  
citations

76326

40  
h-index

69250

77  
g-index

96  
all docs

96  
docs citations

96  
times ranked

10293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defeating Alzheimer's disease and other dementias: a priority for European science and society. <i>Lancet Neurology</i> , 2016, 15, 455-532.	10.2	1,242
2	DJ-1 acts in parallel to the PINK1/parkin pathway to control mitochondrial function and autophagy. <i>Human Molecular Genetics</i> , 2011, 20, 40-50.	2.9	407
3	Apolipoprotein E $\epsilon$ 4 magnifies lifestyle risks for dementia: a population-based study. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2762-2771.	3.6	287
4	Oxysterols and neurodegenerative diseases. <i>Molecular Aspects of Medicine</i> , 2009, 30, 171-179.	6.4	250
5	Oxidative Stress in Alzheimer's Disease: Why Did Antioxidant Therapy Fail?. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-11.	4.0	232
6	Mitochondrial Alterations in PINK1 Deficient Cells Are Influenced by Calcineurin-Dependent Dephosphorylation of Dynamin-Related Protein 1. <i>PLoS ONE</i> , 2009, 4, e5701.	2.5	164
7	Involvement of glutaredoxin-1 and thioredoxin-1 in $\beta$ -amyloid toxicity and Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2006, 13, 1454-1465.	11.2	159
8	Pathways to Alzheimer's disease. <i>Journal of Internal Medicine</i> , 2014, 275, 296-303.	6.0	159
9	Toward a Predictive Model of Alzheimer's Disease Progression Using Capillary Electrophoresis-Mass Spectrometry Metabolomics. <i>Analytical Chemistry</i> , 2012, 84, 8532-8540.	6.5	152
10	Successful therapies for Alzheimer's disease: why so many in animal models and none in humans?. <i>Frontiers in Pharmacology</i> , 2014, 5, 146.	3.5	138
11	Biomarkers for Alzheimer's disease and other forms of dementia: Clinical needs, limitations and future aspects. <i>Experimental Gerontology</i> , 2010, 45, 5-14.	2.8	131
12	Synaptic proteins predict cognitive decline in Alzheimer's disease and Lewy body dementia. <i>Alzheimer's and Dementia</i> , 2016, 12, 1149-1158.	0.8	126
13	Apolipoprotein E and Alzheimer's disease: molecular mechanisms and therapeutic opportunities. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 1227-1238.	3.6	123
14	Apolipoprotein E: a major piece in the Alzheimer's disease puzzle. <i>Journal of Cellular and Molecular Medicine</i> , 2001, 5, 254-266.	3.6	101
15	Decreased levels of guanosine 3',5'-cyclic monophosphate (cGMP) in cerebrospinal fluid (CSF) are associated with cognitive decline and amyloid pathology in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 471-482.	3.2	84
16	A new metabolomic workflow for early detection of Alzheimer's disease. <i>Journal of Chromatography A</i> , 2013, 1302, 65-71.	3.7	83
17	Apolipoprotein E and $\beta$ -amyloid (1-42) regulation of glycogen synthase kinase-3 $\beta$ . <i>Journal of Neurochemistry</i> , 2003, 87, 1152-1164.	3.9	82
18	Activity-Regulated Cytoskeleton-Associated Protein in Rodent Brain is Down-Regulated by High Fat Diet <i>in vivo</i> and by 27-Hydroxycholesterol <i>in vitro</i> . <i>Brain Pathology</i> , 2009, 19, 69-80.	4.1	78

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19	Tau hyperphosphorylation induces oligomeric insulin accumulation and insulin resistance in neurons. <i>Brain</i> , 2017, 140, 3269-3285.	7.6	75
20	HPA Axis Dysregulation Associated to Apolipoprotein E4 Genotype in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 829-838.	2.6	73
21	Macroautophagy-generated increase of lysosomal amyloid $\beta$ -protein mediates oxidant-induced apoptosis of cultured neuroblastoma cells. <i>Autophagy</i> , 2011, 7, 1528-1545.	9.1	72
22	Upregulation of Brain Renin Angiotensin System by 27-Hydroxycholesterol in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 669-679.	2.6	71
23	Androgen Induction of Prostate Cancer Cell Invasion Is Mediated by Ezrin. <i>Journal of Biological Chemistry</i> , 2006, 281, 29938-29948.	3.4	68
24	Insulin Levels are Decreased in the Cerebrospinal Fluid of Women with Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 405-413.	2.6	68
25	Vitamin D in Relation to Cognitive Impairment, Cerebrospinal Fluid Biomarkers, and Brain Volumes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1132-1138.	3.6	68
26	Cross-disease analysis of Alzheimer's disease and type-2 Diabetes highlights the role of autophagy in the pathophysiology of two highly comorbid diseases. <i>Scientific Reports</i> , 2019, 9, 3965.	3.3	66
27	27-Hydroxycholesterol impairs neuronal glucose uptake through an IRAP/GLUT4 system dysregulation. <i>Journal of Experimental Medicine</i> , 2017, 214, 699-717.	8.5	64
28	High cholesterol diet induces tau hyperphosphorylation in apolipoprotein E deficient mice. <i>FEBS Letters</i> , 2005, 579, 6411-6416.	2.8	62
29	Analysis of chiral amino acids in cerebrospinal fluid samples linked to different stages of Alzheimer disease. <i>Electrophoresis</i> , 2011, 32, 2757-2764.	2.4	61
30	Intracellular distribution of amyloid beta peptide and its relationship to the lysosomal system. <i>Translational Neurodegeneration</i> , 2012, 1, 19.	8.0	61
31	Is It Possible to Improve Memory Function by Upregulation of the Cholesterol 24S-Hydroxylase (CYP46A1) in the Brain?. <i>PLoS ONE</i> , 2013, 8, e68534.	2.5	58
32	Alterations in brain leptin signalling in spite of unchanged CSF leptin levels in Alzheimer's disease. <i>Aging Cell</i> , 2015, 14, 122-129.	6.7	56
33	Impaired long term memory consolidation in transgenic mice overexpressing the human soluble form of IL-1ra in the brain. <i>Journal of Neuroimmunology</i> , 2009, 208, 46-53.	2.3	55
34	27-Hydroxycholesterol mediates negative effects of dietary cholesterol on cognition in mice. <i>Behavioural Brain Research</i> , 2015, 278, 356-359.	2.2	55
35	Side Chain-oxidized Oxysterols Regulate the Brain Renin-Angiotensin System through a Liver X Receptor-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2011, 286, 25574-25585.	3.4	47
36	Cholinergic hypofunction impairs memory acquisition possibly through hippocampal Arc and BDNF downregulation. <i>Hippocampus</i> , 2011, 21, 999-1009.	1.9	46

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37	The Presenilin 1 $\Delta$ E9 Mutation Gives Enhanced Basal Phospholipase C Activity and a Resultant Increase in Intracellular Calcium Concentrations. <i>Journal of Biological Chemistry</i> , 2002, 277, 36646-36655.	3.4	45
38	Thioredoxin $\beta$ is a product of alpha $\beta$ secretase cleavage that inhibits amyloid $\beta$ aggregation and is decreased in Alzheimer's disease brain. <i>EMBO Molecular Medicine</i> , 2012, 4, 1097-1111.	6.9	45
39	27-Hydroxycholesterol Induces Aberrant Morphology and Synaptic Dysfunction in Hippocampal Neurons. <i>Cerebral Cortex</i> , 2019, 29, 429-446.	2.9	45
40	Parkin deficiency disrupts calcium homeostasis by modulating phospholipase $\epsilon$ C signalling. <i>FEBS Journal</i> , 2009, 276, 5041-5052.	4.7	44
41	Prospective analysis of carotid arterial wall structure in pediatric renal transplants with ambulatory normotension and in treated hypertensive recipients*. <i>Pediatric Transplantation</i> , 2008, 12, 412-419.	1.0	38
42	Combination of Apolipoprotein E4 and High Carbohydrate Diet Reduces Hippocampal BDNF and Arc Levels and Impairs Memory in Young Mice. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 341-355.	2.6	38
43	Aggregation of the Inflammatory S100A8 Precedes A $\beta$ 2 Plaque Formation in Transgenic APP Mice: Positive Feedback for S100A8 and A $\beta$ 2 Productions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw073.	3.6	34
44	Reduction of PINK1 or DJ-1 impair mitochondrial motility in neurites and alter ER $\alpha$ mitochondria contacts. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5439-5449.	3.6	34
45	Influence of Residue 22 on the Folding, Aggregation Profile, and Toxicity of the Alzheimer's Amyloid $\beta$ 2 Peptide. <i>Biophysical Journal</i> , 2009, 97, 277-285.	0.5	31
46	Apolipoprotein E4 Elicits Lysosomal Cathepsin D Release, Decreased Thioredoxin-1 Levels, and Apoptosis. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 601-617.	2.6	31
47	Sildenafil Decreases BACE1 and Cathepsin B Levels and Reduces APP Amyloidogenic Processing in the SAMP8 Mouse. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 675-685.	3.6	30
48	24(S),25-Epoxycholesterol and cholesterol 24S-hydroxylase (CYP46A1) overexpression promote midbrain dopaminergic neurogenesis in vivo. <i>Journal of Biological Chemistry</i> , 2019, 294, 4169-4176.	3.4	30
49	Loss of glutathione redox homeostasis impairs proteostasis by inhibiting autophagy-dependent protein degradation. <i>Cell Death and Differentiation</i> , 2019, 26, 1545-1565.	11.2	30
50	Anthocyanins protect from complex I inhibition and APP <sup>swe</sup> mutation through modulation of the mitochondrial fission/fusion pathways. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 2110-2118.	3.8	29
51	Neuronal cholesterol metabolism increases dendritic outgrowth and synaptic markers via a concerted action of GGTase-I and Trk. <i>Scientific Reports</i> , 2016, 6, 30928.	3.3	29
52	Age-dependent pharmacokinetics and effect of roscovitine on Cdk5 and Erk1/2 in the rat brain. <i>Pharmacological Research</i> , 2008, 58, 32-37.	7.1	28
53	Intracellular Localization of Amyloid- $\beta$ 2 Peptide in SH-SY5Y Neuroblastoma Cells. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 713-733.	2.6	28
54	Presenilin-mediated signal transduction. <i>Physiology and Behavior</i> , 2007, 92, 93-97.	2.1	27

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55	Estrogen protects against amyloid- $\beta$ toxicity by estrogen receptor $\beta$ -mediated inhibition of Daxx translocation. <i>Neuroscience Letters</i> , 2012, 506, 245-250.	2.1	26
56	Autoantibodies Toward the Angiotensin 2 Type 1 Receptor: A Novel Autoantibody in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 523-529.	2.6	25
57	Lithium treatment reverses irradiation-induced changes in rodent neural progenitors and rescues cognition. <i>Molecular Psychiatry</i> , 2021, 26, 322-340.	7.9	25
58	$\beta$ -VLDL protects against $A\beta$ (1-42) and apoE toxicity in human SH-SY5Y neuroblastoma cells. <i>NeuroReport</i> , 2001, 12, 201-206.	1.2	24
59	Cholesterol 24S-Hydroxylase Overexpression Inhibits the Liver X Receptor (LXR) Pathway by Activating Small Guanosine Triphosphate-Binding Proteins (sGTPases) in Neuronal Cells. <i>Molecular Neurobiology</i> , 2015, 51, 1489-1503.	4.0	24
60	$\beta$ -Secretase Activity of Presenilin 1 Regulates Acetylcholine Muscarinic Receptor-mediated Signal Transduction. <i>Journal of Biological Chemistry</i> , 2004, 279, 6455-6464.	3.4	23
61	Toward common mechanisms for risk factors in Alzheimer's syndrome. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 571-578.	3.7	23
62	Caspase cleavage of exon 9 deleted presenilin-1 is an early event in apoptosis induced by calcium ionophore A 23187 in SH-SY5Y neuroblastoma cells. <i>Journal of Neuroscience Research</i> , 2001, 66, 122-134.	2.9	21
63	Hypercholesterolemia and 27-Hydroxycholesterol Increase S100A8 and RAGE Expression in the Brain: a Link Between Cholesterol, Alarmins, and Neurodegeneration. <i>Molecular Neurobiology</i> , 2021, 58, 6063-6076.	4.0	20
64	Chronic airway-induced allergy in mice modifies gene expression in the brain toward insulin resistance and inflammatory responses. <i>Journal of Neuroinflammation</i> , 2013, 10, 99.	7.2	19
65	Insufficient Resolution Response in the Hippocampus of a Senescence-Accelerated Mouse Model "SAMP8". <i>Journal of Molecular Neuroscience</i> , 2015, 55, 396-405.	2.3	19
66	Association of Platelet Serotonin Levels in Alzheimer's Disease with Clinical and Cerebrospinal Fluid Markers. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 621-630.	2.6	19
67	High levels of 27-hydroxycholesterol results in synaptic plasticity alterations in the hippocampus. <i>Scientific Reports</i> , 2021, 11, 3736.	3.3	19
68	Presenilin regulates extracellular regulated kinase (Erk) activity by a protein kinase C alpha dependent mechanism. <i>Neuroscience Letters</i> , 2008, 436, 77-80.	2.1	18
69	27-Hydroxycholesterol, cognition, and brain imaging markers in the FINGER randomized controlled trial. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 56.	6.2	18
70	Presenilin dependence of phospholipase C and protein kinase C signaling. <i>Journal of Neurochemistry</i> , 2007, 102, 848-857.	3.9	16
71	Plasma cholesterol and risk for late-onset Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2011, 11, 495-498.	2.8	16
72	5-HT1B and other related serotonergic proteins are altered in APPswe mutation. <i>Neuroscience Letters</i> , 2015, 594, 137-143.	2.1	14

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73	Thioredoxin-80 protects against amyloid-beta pathology through autophagic-lysosomal pathway regulation. <i>Molecular Psychiatry</i> , 2021, 26, 1410-1423.	7.9	14
74	Apolipoprotein E and A $\beta$ -amyloid: signals and effects. <i>Biochemical Society Symposia</i> , 2001, 67, 121-129.	2.7	14
75	Chronic polypharmacy impairs explorative behavior and reduces synaptic functions in young adult mice. <i>Aging</i> , 2020, 12, 10147-10161.	3.1	14
76	Caspase cleaved presenilin-1 is part of active $\beta$ -secretase complexes. <i>Journal of Neurochemistry</i> , 2006, 97, 356-364.	3.9	13
77	Decreased Cerebrospinal Fluid Levels of L-Carnitine in Non-Apolipoprotein E4 Carriers at Early Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 223-232.	2.6	13
78	Serum Thioredoxin-80 is associated with age, ApoE4, and neuropathological biomarkers in Alzheimer's disease: a potential early sign of AD. <i>Alzheimer's Research and Therapy</i> , 2022, 14, 37.	6.2	12
79	Parkin-mediated ubiquitination regulates phospholipase C $\beta$ 1. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3061-3068.	3.6	11
80	Lack of insulin results in reduced seladin-1 expression in primary cultured neurons and in cerebral cortex of STZ-induced diabetic rats. <i>Neuroscience Letters</i> , 2016, 633, 174-181.	2.1	10
81	Pharmacological Modulations of the Serotonergic System in a Cell-Model of Familial Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 349-361.	2.6	9
82	Side-Chain-Oxidized Oxysterols Upregulate ACE2 and Mas Receptor in Rat Primary Neurons. <i>Neurodegenerative Diseases</i> , 2012, 10, 313-316.	1.4	8
83	Sex difference in flux of 27 $\alpha$ -hydroxycholesterol into the brain. <i>British Journal of Pharmacology</i> , 2021, 178, 3194-3204.	5.4	8
84	Long-term exposure to polypharmacy impairs cognitive functions in young adult female mice. <i>Aging</i> , 2021, 13, 14729-14744.	3.1	7
85	Insulin deprivation decreases insulin degrading enzyme levels in primary cultured cortical neurons and in the cerebral cortex of rats with streptozotocin-induced diabetes. <i>Pharmacological Reports</i> , 2018, 70, 677-683.	3.3	4
86	Grey Matter and Cognitive Patterns in Cognitive Impaired Subjects Using CSF Biomarker Cut-Offs. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 741-749.	2.6	1
87	P4-175 The proteasome regulates presenilin 1 levels during apoptosis. <i>Neurobiology of Aging</i> , 2004, 25, S525.	3.1	0
88	S9.4 Altered mitochondrial dynamics caused by loss of PTEN-induced kinase 1 function, associated with recessive parkinsonism, are reversed by downregulation of Dynamin-related protein 1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S55.	1.0	0
89	Chronic Airway Allergy Induces Pro-Inflammatory Responses in the Brain of Wildtype Mice but Not 3xTgAD Mice. <i>Neuroscience</i> , 2020, 448, 14-27.	2.3	0