

Miguel A Pappolla

List of Publications by Year in descending order

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78
papers

8,101
citations

66234

42
h-index

71532

76
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80
all docs

80
docs citations

80
times ranked

7941
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypercholesterolemia Accelerates the Alzheimer's Amyloid Pathology in a Transgenic Mouse Model. <i>Neurobiology of Disease</i> , 2000, 7, 321-331.	2.1	964
2	RNA Oxidation Is a Prominent Feature of Vulnerable Neurons in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 1999, 19, 1959-1964.	1.7	708
3	A Cholesterol-Lowering Drug Reduces β -Amyloid Pathology in a Transgenic Mouse Model of Alzheimer's Disease. <i>Neurobiology of Disease</i> , 2001, 8, 890-899.	2.1	505
4	Amyloid- β Deposition in Alzheimer Transgenic Mice Is Associated with Oxidative Stress. <i>Journal of Neurochemistry</i> , 1998, 70, 2212-2215.	2.1	499
5	Melatonin Prevents Death of Neuroblastoma Cells Exposed to the Alzheimer Amyloid Peptide. <i>Journal of Neuroscience</i> , 1997, 17, 1683-1690.	1.7	324
6	Potent Neuroprotective Properties against the Alzheimer β -Amyloid by an Endogenous Melatonin-related Indole Structure, Indole-3-propionic Acid. <i>Journal of Biological Chemistry</i> , 1999, 274, 21937-21942.	1.6	317
7	Inhibition of Alzheimer β -Fibrillogenesis by Melatonin. <i>Journal of Biological Chemistry</i> , 1998, 273, 7185-7188.	1.6	309
8	Neuronal Oxidative Stress Precedes Amyloid- β Deposition in Down Syndrome. <i>Journal of Neuropathology and Experimental Neurology</i> , 2000, 59, 1011-1017.	0.9	307
9	Melatonin increases survival and inhibits oxidative and amyloid pathology in a transgenic model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2003, 85, 1101-1108.	2.1	295
10	Detection of Alzheimer's amyloid in transgenic mice using magnetic resonance microimaging. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 293-302.	1.9	267
11	Amyloid-Beta Protein Clearance and Degradation (ABCD) Pathways and their Role in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015, 12, 32-46.	0.7	255
12	An assessment of the antioxidant and the antiamyloidogenic properties of melatonin: implications for Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2000, 107, 203-231.	1.4	229
13	Luteinizing hormone modulates cognition and amyloid- β deposition in Alzheimer APP transgenic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 447-452.	1.8	165
14	Statin therapy for Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 155-161.	1.1	152
15	Evidence for intracellular cleavage of the Alzheimer's amyloid precursor in PC12 cells. <i>Journal of Neuroscience Research</i> , 1992, 33, 319-329.	1.3	149
16	Melatonin Reverses the Profibrillogenic Activity of Apolipoprotein E4 on the Alzheimer Amyloid β Peptide. <i>Biochemistry</i> , 2001, 40, 14995-15001.	1.2	147
17	Development of indole-3-propionic acid (OXIGON [®]) for Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 213-217.	1.1	136
18	Increased Expression but Reduced Activity of Antioxidant Enzymes in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 1999, 1, 139-145.	1.2	134

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19	Bradykinin induces superoxide anion release from human endothelial cells. <i>Journal of Cellular Physiology</i> , 1990, 143, 21-25.	2.0	132
20	Hyperhomocysteinemic Alzheimer's mouse model of amyloidosis shows increased brain amyloid β peptide levels. <i>Neurobiology of Disease</i> , 2006, 22, 651-656.	2.1	108
21	Higher Incidence of Mild Cognitive Impairment in Familial Hypercholesterolemia. <i>American Journal of Medicine</i> , 2010, 123, 267-274.	0.6	102
22	The Amyloid β Protein Induces Oxidative Damage of Mitochondrial DNA. <i>Journal of Neuropathology and Experimental Neurology</i> , 1997, 56, 1356-1362.	0.9	94
23	Beta-Secretase: Structure, Function, and Evolution. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 278-294.	0.8	93
24	Indole-3-propionate: a potent hydroxyl radical scavenger in rat brain. <i>Brain Research</i> , 1999, 815, 382-388.	1.1	84
25	The neuroprotective activities of melatonin against the Alzheimer β -protein are not mediated by melatonin membrane receptors. <i>Journal of Pineal Research</i> , 2002, 32, 135-142.	3.4	83
26	Leptin and the skin: a new frontier. <i>Experimental Dermatology</i> , 2010, 19, 12-18.	1.4	82
27	β -Secretase Processing of the Alzheimer's Amyloid Protein Precursor (APP). <i>Journal of Molecular Neuroscience</i> , 2003, 20, 233-240.	1.1	81
28	Prophylactic Actions of Melatonin in Oxidative Neurotoxicity. <i>Annals of the New York Academy of Sciences</i> , 1997, 825, 70-78.	1.8	78
29	Melatonin Relieves the Neural Oxidative Burden that Contributes to Dementias. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 179-196.	1.8	75
30	Oxygen free radicals as inducers of heat shock protein synthesis in cultured human neuroblastoma cells: Relevance to neurodegenerative disease. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1993, 242, 262-267.	1.8	71
31	Cholesterol, oxidative stress, and Alzheimer's disease: expanding the horizons of pathogenesis1 1This article is part of a series of reviews on "Causes and Consequences of Oxidative Stress in Alzheimer's Disease."The full list of papers may be found on the homepage of the journal.. <i>Free Radical Biology and Medicine</i> , 2002, 33, 173-181.	1.3	70
32	Chronic antioxidant therapy reduces oxidative stress in a mouse model of Alzheimer's disease. <i>Free Radical Research</i> , 2009, 43, 156-164.	1.5	65
33	Evidence that secretase cleavage of cell surface Alzheimer amyloid precursor occurs after normal endocytic internalization. <i>Journal of Neuroscience Research</i> , 1995, 40, 694-706.	1.3	60
34	Targets for AD treatment: conflicting messages from β -secretase inhibitors. <i>Journal of Neurochemistry</i> , 2011, 117, 359-374.	2.1	59
35	Differential Accumulation of Secreted β PP Metabolites in Ocular Fluids1. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 1243-1253.	1.2	52
36	Complement depletion affects demyelination and inflammation in experimental allergic neuritis. <i>Journal of Neuroimmunology</i> , 1995, 58, 157-165.	1.1	48

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37	Evidence for lymphatic A β clearance in Alzheimer's transgenic mice. <i>Neurobiology of Disease</i> , 2014, 71, 215-219.	2.1	48
38	Changes in Apolipoprotein E Expression in Response to Dietary and Pharmacological Modulation of Cholesterol. <i>Journal of Molecular Neuroscience</i> , 2003, 20, 395-406.	1.1	47
39	Carbon disulfide axonopathy. Another experimental model characterized by acceleration of neurofilament transport and distinct changes of axonal size. <i>Brain Research</i> , 1987, 424, 272-280.	1.1	45
40	Fluorinated Amphiphilic Amino Acid Derivatives as Antioxidant Carriers: A New Class of Protective Agents. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2812-2820.	2.9	44
41	Alzheimer's Disease A Dysfunction in Cholesterol and Lipid Metabolism. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 475-483.	1.7	43
42	Oral administration of human or murine interferon alpha suppresses relapses and modifies adoptive transfer in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 1995, 58, 61-69.	1.1	42
43	Mitochondrial medicine: neuroprotection and life extension by the new amphiphilic nitron LPBNAH1 acting as a highly potent antioxidant agent. <i>Journal of Neurochemistry</i> , 2005, 95, 962-973.	2.1	41
44	Indoles as essential mediators in the gut-brain axis. Their role in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2021, 156, 105403.	2.1	39
45	Do Regenerative Medicine Therapies Provide Long-Term Relief in Chronic Low Back Pain: A Systematic Review and Metaanalysis. <i>Pain Physician</i> , 2018, 21, 515-540.	0.3	39
46	A Novel Endogenous Indole Protects Rodent Mitochondria and Extends Rotifer Lifespan. <i>PLoS ONE</i> , 2010, 5, e10206.	1.1	38
47	The heat shock/oxidative stress connection. <i>Molecular and Chemical Neuropathology</i> , 1996, 28, 21-34.	1.0	31
48	The Alzheimer's Amyloid Precursor Is Cleaved Intracellularly in the Trans-Golgi Network or in a Post-Golgi Compartment. <i>Annals of the New York Academy of Sciences</i> , 1992, 674, 118-128.	1.8	26
49	Systemic complement depletion reduces inflammation and demyelination in adoptive transfer experimental allergic neuritis. <i>Acta Neuropathologica</i> , 1998, 95, 297-301.	3.9	23
50	Serum protein leakage in aged human brain and inhibition of ligand binding at alpha2- adrenergic and cholinergic binding sites. <i>Synapse</i> , 1987, 1, 82-89.	0.6	22
51	Oral Administration of Type I Interferon Modulates the Course of Experimental Allergic Neuritis. <i>Autoimmunity</i> , 1996, 24, 157-165.	1.2	22
52	Catecholamines inhibit lipid peroxidation in young, aged, and Alzheimer's disease brain. <i>Free Radical Biology and Medicine</i> , 2001, 31, 315-320.	1.3	22
53	Insulysin Cleaves the APP Cytoplasmic Fragment at Multiple Sites. <i>Neurochemical Research</i> , 2007, 32, 2225-2234.	1.6	21
54	Amphiphilic Amide Nitrones: A New Class of Protective Agents Acting as Modifiers of Mitochondrial Metabolism. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4849-4861.	2.9	21

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55	Fine-Tuning the Amphiphilicity: A Crucial Parameter in the Design of Potent β -Phenyl- <i>N</i> - <i>tert</i> -butylnitrone Analogues. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3976-3979.	2.9	19
56	Evidence of a Novel Mechanism for Partial β -Secretase Inhibition Induced Paradoxical Increase in Secreted Amyloid β Protein. <i>PLoS ONE</i> , 2014, 9, e91531.	1.1	19
57	Reinduction of Experimental Autoimmune Encephalomyelitis in Mice. <i>Cellular Immunology</i> , 1995, 162, 235-240.	1.4	17
58	Induction of NADPH cytochrome P450 reductase by the Alzheimer β -protein. Amyloid as a "foreign body". <i>Journal of Neurochemistry</i> , 2001, 78, 121-128.	2.1	17
59	Deficiency of chaperonin 60 in Down's syndrome. <i>Journal of Alzheimer's Disease</i> , 2002, 4, 479-486.	1.2	14
60	β -spectrins are major ubiquitinated proteins in rat hippocampal neurons and components of ubiquitinated inclusions in neurodegenerative disorders. <i>Brain Research Bulletin</i> , 2001, 54, 405-411.	1.4	13
61	Ultrastructural evidence that insoluble microtubules are components of the neurofibrillary tangle. <i>European Archives of Psychiatry and Neurological Sciences</i> , 1990, 239, 314-319.	0.9	12
62	Major Carboxyl Terminal Fragments Generated by β -Secretase Processing of the Alzheimer Amyloid Precursor Are 50 and 51 Amino Acids Long. <i>American Journal of Geriatric Psychiatry</i> , 2013, 21, 474-483.	0.6	12
63	Oxygen-free radicals and amyloidosis in alzheimer's disease: Is there a connection?. <i>Neurobiology of Aging</i> , 1994, 15, 457-459.	1.5	10
64	Heat-shock induces abnormalities in the cellular distribution of amyloid precursor protein (APP) and APP fusion proteins. <i>Neuroscience Letters</i> , 1995, 192, 105-108.	1.0	10
65	Is insulin resistance the cause of fibromyalgia? A preliminary report. <i>PLoS ONE</i> , 2019, 14, e0216079.	1.1	6
66	A unique case of limb-girdle muscular dystrophy type 2A carrying novel compound heterozygous mutations in the human CAPN3 gene. <i>European Journal of Neurology</i> , 2007, 14, 819-822.	1.7	5
67	Tryptophan in Nutrition and Health. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5455.	1.8	5
68	Methodology for Evidence Synthesis and Development of Comprehensive Evidence-Based Guidelines for Interventional Techniques in Chronic Spinal Pain. <i>Pain Physician</i> , 2021, 24, S1-S26.	0.3	4
69	Oxidative Stress and the Amyloid Conundrum. What is the Connection?. <i>Journal of Alzheimer's Disease</i> , 2000, 2, 79-82.	1.2	3
70	Value in Development of a TAPIR-Like Mouse Monoclonal Antibody to $A\beta$. <i>Journal of Alzheimer's Disease</i> , 2008, 14, 175-177.	1.2	3
71	Frontiers in the pathogenesis of Alzheimer's disease. <i>Indian Journal of Psychiatry</i> , 2009, 51 Suppl 1, S56-60.	0.4	3
72	Heat Shock Protein Response in Alcoholic Liver Disease. <i>Laboratory Medicine</i> , 1990, 21, 811-814.	0.8	2

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73	HIV-Related Neuropathy: Pathophysiology, Treatment and Challenges. Journal of Neurology and Experimental Neuroscience, 2021, 7, 15-24.	0.2	2
74	Insulin Resistance is Associated with Central Pain in Patients with Fibromyalgia. Pain Physician, 2021, 24, 175-184.	0.3	2
75	Permanent Alterations in the Hypothalamic-Pituitary-Thyroid Axis in the Rat Following Phenytoin Exposure In Utero. Hormone and Metabolic Research, 1990, 22, 521-523.	0.7	1
76	Amyloid Deposition in Diffuse Plaques May Or May Not Start at the Neuronal Cell Surface Membrane. Journal of Neuropathology and Experimental Neurology, 2001, 60, 105.1-105.	0.9	1
77	Aging of the neuroendocrine system: Impaired neuropeptide control of thyroid stimulating hormone. Age, 1990, 13, 37-38.	3.0	0
78	Cholesterol, β -amyloid, and Alzheimer's disease. Advances in Cell Aging and Gerontology, 2003, 12, 163-175.	0.1	0