Maria Victoria SÃ¡nchez-GÃ³mez

List of Publications by Year
in descending order

48 papers	4,302 citations	136950 32 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	5122 citing authors

#	Article	IF	Citations
1	P2X₇Receptor Blockade Prevents ATP Excitotoxicity in Oligodendrocytes and Ameliorates Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2007, 27, 9525-9533.	3.6	356
2	Glutamate receptor-mediated toxicity in optic nerveâ€‰oligodendrocytes. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8830-8835.	7.1	329
3	The link between excitotoxic oligodendroglial death and demyelinating diseases. Trends in Neurosciences, 2001, 24, 224-230.	8.6	320
4	Amyloid Î² oligomers induce Ca2+ dysregulation and neuronal death through activation of ionotropic glutamate receptors. Cell Calcium, 2010, 47, 264-272.	2.4	318
5	Glutamate-mediated glial injury: Mechanisms and clinical importance. Glia, 2006, 53, 212-224.	4.9	308
6	Excitotoxic damage to white matter. Journal of Anatomy, 2007, 210, 693-702.	1.5	216
7	Molecular mechanisms of neuroprotection by two natural antioxidant polyphenols. Cell Calcium, 2009, 45, 358-368.	2.4	169
8	Ca²⁺â€dependent endoplasmic reticulum stress correlates with astrogliosis in oligomeric amyloid Î²â€treated astrocytes and in a model of <scp>A</scp>lzheimer's disease. Aging Cell, 2013, 12, 292-302.	6.7	160
9	System xcâ» and Glutamate Transporter Inhibition Mediates Microglial Toxicity to Oligodendrocytes. Journal of Immunology, 2007, 178, 6549-6556.	0.8	147
10	Neuroprotection by two polyphenols following excitotoxicity and experimental ischemia. Neurobiology of Disease, 2006, 23, 374-386.	4.4	145
11	AMPA and Kainate Receptors Each Mediate Excitotoxicity in Oligodendroglial Cultures. Neurobiology of Disease, 1999, 6, 475-485.	4.4	142
12	Caspase-Dependent and Caspase-Independent Oligodendrocyte Death Mediated by AMPA and Kainate Receptors. Journal of Neuroscience, 2003, 23, 9519-9528.	3.6	134
13	Excitotoxicity in glial cells. European Journal of Pharmacology, 2002, 447, 239-246.	3.5	117
14	Expression of glutamate transporters in rat optic nerve oligodendrocytes. European Journal of Neuroscience, 1999, 11, 2226-2236.	2.6	116
15	Ca2+ Influx through AMPA or Kainate Receptors Alone Is Sufficient to Initiate Excitotoxicity in Cultured Oligodendrocytes. Neurobiology of Disease, 2002, 9, 234-243.	4.4	110
16	Activation of Kainate Receptors Sensitizes Oligodendrocytes to Complement Attack. Journal of Neuroscience, 2006, 26, 3220-3228.	3.6	87
17	Blockade of monoacylglycerol lipase inhibits oligodendrocyte excitotoxicity and prevents demyelinationin vivo. Glia, 2015, 63, 163-176.	4.9	74
18	Differential oxidative stress in oligodendrocytes and neurons after excitotoxic insults and protection by natural polyphenols. Glia, 2006, 53, 201-211.	4.9	72

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19	Calcium and glial cell death. Cell Calcium, 2005, 38, 417-425.	2.4	68
20	Cannabidiol induces intracellular calcium elevation and cytotoxicity in oligodendrocytes. Glia, 2010, 58, 1739-1747.	4.9	62
21	Mangiferin and Morin Attenuate Oxidative Stress, Mitochondrial Dysfunction, and Neurocytotoxicity, Induced by Amyloid Beta Oligomers. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	4.0	62
22	PÃo del RÃo Hortega and the discovery of the oligodendrocytes. Frontiers in Neuroanatomy, 2015, 9, 92.	1.7	61
23	Bax and Calpain Mediate Excitotoxic Oligodendrocyte Death Induced by Activation of Both AMPA and Kainate Receptors. Journal of Neuroscience, 2011, 31, 2996-3006.	3.6	55
24	The link of inflammation and neurodegeneration in progressive multiple sclerosis. Multiple Sclerosis and Demyelinating Disorders, 2016, 1, .	1.1	50
25	Mangifera indica L. extract attenuates glutamate-induced neurotoxicity on rat cortical neurons. NeuroToxicology, 2009, 30, 1053-1058.	3.0	49
26	AÎ² oligomers promote oligodendrocyte differentiation and maturation via integrin Î²1 and Fyn kinase signaling. Cell Death and Disease, 2019, 10, 445.	6.3	49
27	Differential Molecular Targets for Neuroprotective Effect of Chlorogenic Acid and its Related Compounds Against Glutamate Induced Excitotoxicity and Oxidative Stress in Rat Cortical Neurons. Neurochemical Research, 2017, 42, 3559-3572.	3.3	48
28	Dual-specific Phosphatase-6 (Dusp6) and ERK Mediate AMPA Receptor-induced Oligodendrocyte Death. Journal of Biological Chemistry, 2011, 286, 11825-11836.	3.4	46
29	Axon-to-Glia Interaction Regulates GABA_AReceptor Expression in Oligodendrocytes. Molecular Pharmacology, 2016, 89, 63-74.	2.3	43
30	Multiple angiotensin receptor subtypes in normal and tumor astrocytes in vitro. Glia, 2002, 39, 304-313.	4.9	41
31	A₃ Adenosine receptors mediate oligodendrocyte death and ischemic damage to optic nerve. Glia, 2014, 62, 199-216.	4.9	41
32	Oligodendrocyte Differentiation and Myelination Is Potentiated via GABAB Receptor Activation. Neuroscience, 2020, 439, 163-180.	2.3	39
33	Zn²⁺â€induced ERK activation mediates PARPâ€1â€dependent ischemicâ€reoxygenation damage to oligodendrocytes. Glia, 2013, 61, 383-393.	4.9	36
34	Deregulation of the endocannabinoid system and therapeutic potential of ABHD6 blockade in the cuprizone model of demyelination. Biochemical Pharmacology, 2018, 157, 189-201.	4.4	33
35	Expression and Function of GABA Receptors in Myelinating Cells. Frontiers in Cellular Neuroscience, 2020, 14, 256.	3.7	31
36	Cytosolic zinc accumulation contributes to excitotoxic oligodendroglial death. Glia, 2013, 61, 750-764.	4.9	30

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37	Nâ€Methylâ€Dâ€Aspartate Receptor Antibodies in Autoimmune Encephalopathy Alter Oligodendrocyte Function. Annals of Neurology, 2020, 87, 670-676.	5.3	28
38	Mitochondrial division inhibitor 1 disrupts oligodendrocyte Ca²⁺ homeostasis and mitochondrial function. Glia, 2020, 68, 1743-1756.	4.9	23
39	GATâ€1 mediated GABA uptake in rat oligodendrocytes. Glia, 2017, 65, 514-522.	4.9	18
40	Inhibition of Casein Kinase 2 Protects Oligodendrocytes From Excitotoxicity by Attenuating JNK/p53 Signaling Cascade. Frontiers in Molecular Neuroscience, 2018, 11, 333.	2.9	13
41	Differential Neuroprotective Effects of 5â€²-Deoxy-5â€²-Methylthioadenosine. PLoS ONE, 2014, 9, e90671.	2.5	13
42	On How Altered Glutamate Homeostasis May Contribute to Demyelinating Diseases of the Cns. Advances in Experimental Medicine and Biology, 1999, , 98-107.	1.6	12
43	Isolation, Expansion, and Maturation of Oligodendrocyte Lineage Cells Obtained from Rat Neonatal Brain and Optic Nerve. Methods in Molecular Biology, 2018, 1791, 95-113.	0.9	11
44	Inwardly Rectifying K+ Currents in Cultured Oligodendrocytes from Rat Optic Nerve are Insensitive to pH. Neurochemical Research, 2017, 42, 2443-2455.	3.3	9
45	GABA_A Receptors Expressed in Oligodendrocytes Cultured from the Neonatal Rat Contain Î±3 and Î³1 Subunits and Present Differential Functional and Pharmacological Properties. Molecular Pharmacology, 2021, 99, 133-146.	2.3	6
46	Adenosine and Multiple Sclerosis. , 2013, , 435-457.		2
47	Polyphenols attenuate mitochondrial dysfunction induced by amyloid peptides. , 2021, , 317-337.		0
48	White Matter Damage in Multiple Sclerosis. , 2014, , 405-429.		0