Patrizia Longone

List of Publications by Year
in descending order

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61 papers	2,742 citations	147801 31 h-index	175258 52 g-index
62 all docs	62 docs citations	62 times ranked	3876 citing authors

#	Article	IF	Citations
1	Lithium delays progression of amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2052-2057.	7.1	508
2	Involvement of transient receptor potential-like channels in responses to mGluR-I activation in midbrain dopamine neurons. European Journal of Neuroscience, 2003, 18, 2133-2145.	2.6	123
3	Altered excitability of motor neurons in a transgenic mouse model of familial amyotrophic lateral sclerosis. Neuroscience Letters, 2003, 351, 153-156.	2.1	121
4	Agingâ€associated upâ€regulation of neuronal 5â€lipoxygenase expression: putative role in neuronal vulnerability. FASEB Journal, 1998, 12, 439-449.	0.5	114
5	MicroRNA-125b regulates microglia activation and motor neuron death in ALS. Cell Death and Differentiation, 2016, 23, 531-541.	11.2	109
6	Autophagy and amyotrophic lateral sclerosis: The multiple roles of lithium. Autophagy, 2008, 4, 527-530.	9.1	108
7	P2X₂R purinergic receptor subunit mRNA and protein are expressed by all hypothalamic hypocretin/orexin neurons. Journal of Comparative Neurology, 2006, 498, 58-67.	1.6	98
8	Modifications of gamma-aminobutyric acidA receptor subunit expression in rat neocortex during tolerance to diazepam. Molecular Pharmacology, 1996, 49, 822-31.	2.3	93
9	A systematic study of brainstem motor nuclei in a mouse model of ALS, the effects of lithium. Neurobiology of Disease, 2010, 37, 370-383.	4.4	79
10	Impaired Terminal Differentiation of Hippocampal Granule Neurons and Defective Contextual Memory in PC3/Tis21 Knockout Mice. PLoS ONE, 2009, 4, e8339.	2.5	74
11	Autophagy, lithium, and amyotrophic lateral sclerosis. Muscle and Nerve, 2009, 40, 173-194.	2.2	70
12	Cu/Zn-superoxide dismutase (GLY93â†'ALA) mutation alters AMPA receptor subunit expression and function and potentiates kainate-mediated toxicity in motor neurons in culture. Neurobiology of Disease, 2004, 15, 340-350.	4.4	67
13	Decreased plasma and cerebrospinal fluid content of neuroactive steroids in Parkinsonâ€™s disease. Neurological Sciences, 2003, 24, 172-173.	1.9	59
14	Role of the N-methyl-d-aspartate receptors complex in amyotrophic lateral sclerosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 312-322.	3.8	58
15	The complex roles of neurosteroids in depression and anxiety disorders. Neurochemistry International, 2008, 52, 596-601.	3.8	56
16	Neocortical Potassium Currents Are Enhanced by the Antiepileptic Drugâ€ƒLamotrigine. Epilepsia, 2002, 43, 685-690.	5.1	55
17	Cell death in amyotrophic lateral sclerosis: interplay between neuronal and glial cells. FASEB Journal, 2004, 18, 1261-1263.	0.5	55
18	Evidence of hydrogen sulfide involvement in amyotrophic lateral sclerosis. Annals of Neurology, 2015, 77, 697-709.	5.3	45

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19	Molecular and synaptic changes in the hippocampus underlying superior spatial abilities in pre-symptomatic G93A+/+ mice overexpressing the human Cu/Zn superoxide dismutase (Gly93Ââ†'ÂALA) mutation. Experimental Neurology, 2006, 197, 505-514.	4.1	43
20	Increased Hippocampal 5â€Lipoxygenase mRNA Content in Melatoninâ€Deficient, Pinealectomized Rats. Journal of Neurochemistry, 1997, 69, 2220-2223.	3.9	42
21	Reversible Modification of GABA A Receptor Subunit mRNA Expression During Tolerance to Diazepam-induced Cognition Dysfunction. Neuropharmacology, 1996, 35, 1465-1473.	4.1	40
22	Neurosteroid and neurotransmitter alterations in Parkinsonâ€™s disease. Frontiers in Neuroendocrinology, 2013, 34, 132-142.	5.2	39
23	Altered long-term corticostriatal synaptic plasticity in transgenic mice overexpressing human CU/ZN superoxide dismutase (GLY93â†'ALA) mutation. Neuroscience, 2003, 118, 399-408.	2.3	38
24	Neurosteroids as neuromodulators in the treatment of anxiety disorders. Frontiers in Endocrinology, 2011, 2, 55.	3.5	38
25	7-Chloro-3-methyl-3,4-dihydro-2H-1,2,4-benzothiadiazine S,S-dioxide: A partial modulator of AMPA receptor desensitization devoid of neurotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7053-7058.	7.1	36
26	Cellular localization of TRPC3 channel in rat brain: preferential distribution to oligodendrocytes. Neuroscience Letters, 2004, 365, 137-142.	2.1	34
27	Abnormal medial prefrontal cortex connectivity and defective fear extinction in the presymptomatic G93A SOD1 mouse model of ALS. Genes, Brain and Behavior, 2008, 7, 427-434.	2.2	34
28	Î±-amino-3-hydroxy-5-methyl-isoxazole-4-propionate receptors in spinal cord motor neurons are altered in transgenic mice overexpressing human Cu,Zn superoxide dismutase (Gly93â†'Ala) mutation. Neuroscience, 2003, 122, 47-58.	2.3	33
29	The Protective Role of Catalase against Cerebral Ischemia in Vitro and in Vivo. International Journal of Immunopathology and Pharmacology, 2011, 24, 735-747.	2.1	33
30	Postsynaptic Alteration of NR2A Subunit and Defective Autophosphorylation of alphaCaMKII at Threonine-286 Contribute to Abnormal Plasticity and Morphology of Upper Motor Neurons in Presymptomatic SOD1G93A Mice, a Murine Model for Amyotrophic Lateral Sclerosis. Cerebral Cortex, 2011, 21, 796-805.	2.9	33
31	Trace Amines Depress GABAB Response in Dopaminergic Neurons by Inhibiting G-Î²Î³-Gated Inwardly Rectifying Potassium Channels. Molecular Pharmacology, 2005, 67, 1283-1290.	2.3	31
32	Pharmacology of Neurosteroid Biosynthesis. Role of the Mitochondrial DBI Receptor (MDR) Complex. Annals of the New York Academy of Sciences, 1994, 746, 223-242.	3.8	31
33	A prolonged pharmacological blockade of type-5 metabotropic glutamate receptors protects cultured spinal cord motor neurons against excitotoxic death. Neurobiology of Disease, 2011, 42, 252-264.	4.4	31
34	CREB selectively controls learning-induced structural remodeling of neurons. Learning and Memory, 2012, 19, 330-336.	1.3	30
35	Zinc pre-treatment enhances NMDAR-mediated excitotoxicity in cultured cortical neurons from SOD1G93A mouse, a model of amyotrophic lateral sclerosis. Neuropharmacology, 2011, 60, 1200-1208.	4.1	25
36	Endothelin-1 is over-expressed in amyotrophic lateral sclerosis and induces motor neuron cell death. Neurobiology of Disease, 2014, 65, 160-171.	4.4	25

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37	Increased expression of the beta3 subunit of voltage-gated Na+ channels in the spinal cord of the SOD1G93A mouse. Molecular and Cellular Neurosciences, 2011, 47, 108-118.	2.2	23
38	Changes in AMPA Receptor-Spliced Variant Expression and Shift in AMPA Receptor Spontaneous Desensitization Pharmacology During Cerebellar Granule Cell Maturation In Vitro. Journal of Molecular Neuroscience, 1998, 11, 23-42.	2.3	21
39	Crosstalk Between Oxidative Stress and Mitochondrial Damage: Focus on Amyotrophic Lateral Sclerosis. Advances in Experimental Medicine and Biology, 2019, 1158, 71-82.	1.6	21
40	Cognitive impairment in amyotrophic lateral sclerosis, clues from the SOD1 mouse. Neuroscience and Biobehavioral Reviews, 2016, 60, 12-25.	6.1	16
41	Proteomics and Toxicity Analysis of Spinal-Cord Primary Cultures upon Hydrogen Sulfide Treatment. Antioxidants, 2018, 7, 87.	5.1	16
42	Impact of Pharmacological Inhibition of Hydrogen Sulphide Production in the SOD1G93A-ALS Mouse Model. International Journal of Molecular Sciences, 2019, 20, 2550.	4.1	16
43	The Regulation of Hippocampal Nicotinic Acetylcholine Receptors (nAChRs) After a Protracted Treatment with Selective or Nonselective nAChR Agonists. Journal of Molecular Neuroscience, 1999, 13, 31-46.	2.3	14
44	Altered vulnerability to kainate excitotoxicity of transgenic-Cu/Zn SOD1 neurones. NeuroReport, 2004, 15, 2477-2480.	1.2	12
45	Protein repertoire impact of Ubiquitinâ€“Proteasome System impairment: Insight into the protective role of beta-estradiol. Journal of Proteomics, 2012, 75, 1440-1453.	2.4	11
46	Retinoic acid inhibits phosphatidylinositol turnover only in RA-sensitive while not in RA-resistant human neuroblastoma cells. Biochemical and Biophysical Research Communications, 1989, 161, 284-289.	2.1	9
47	Tissue degeneration in ALS affected spinal cord evaluated by Raman spectroscopy. Scientific Reports, 2018, 8, 13110.	3.3	9
48	Identification of three transcriptional regulatory elements in the rat mitochondrial benzodiazepine receptor-encoding gene. Gene, 1995, 167, 255-260.	2.2	8
49	Full-length and N-terminally truncated chicken intestinal diazepam-binding inhibitor. Regulatory Peptides, 1997, 69, 63-68.	1.9	8
50	Correction for Fornai et al. , Lithium delays progression of amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16404-16407.	7.1	8
51	Investigating Different Forms of Hydrogen Sulfide in Cerebrospinal Fluid of Various Neurological Disorders. Metabolites, 2021, 11, 152.	2.9	8
52	Comparative non-radioactive RT-PCR assay: An approach to study the neurosteroids biosynthetic pathway in humans. Journal of Neuroscience Methods, 2006, 153, 290-298.	2.5	7
53	Very Early Involvement of Innate Immunity in Peripheral Nerve Degeneration in SOD1-G93A Mice. Frontiers in Immunology, 2020, 11, 575792.	4.8	7
54	NeuriTES. Monitoring neurite changes through transfer entropy and semantic segmentation in bright-field time-lapse microscopy. Patterns, 2021, 2, 100261.	5.9	6

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55	Activation of Phosphotyrosine-Mediated Signaling Pathways in the Cortex and Spinal Cord of SOD1^{G93A}, a Mouse Model of Familial Amyotrophic Lateral Sclerosis. Neural Plasticity, 2018, 2018, 1-10.	2.2	4
56	Commentary: Amyotrophic Lateral Sclerosis and Myasthenia Gravis Overlap Syndrome: A Review of Two Cases and the Associated Literature. Frontiers in Neurology, 2017, 8, 356.	2.4	3
57	Cerebrospinal fluid from frontotemporal dementia patients is toxic to neurons. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166122.	3.8	3
58	â€œIn situâ€•characterization of guanine nucleotide-binding properties of erythrocyte membranes. Biochemical and Biophysical Research Communications, 1989, 159, 41-47.	2.1	2
59	Glutamate in Amyotrophic Lateral Sclerosis: An Ageless Contestant. , 2019, , 61-71.		1
60	Comparisons between GABAB and Muscarinic m2 Receptors on Cerebellar Granule Neurons from Rat Using Antisense Oligodeoxynucleotides. Methods, 1993, 2, 59-65.	0.5	0
61	Trace Amines Cause More than One Effect on Dopaminergic Neurons. , 2005, , 161-175.		0