

# Susanna Amadio

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,684  
citations

186265

28  
h-index

189892

50  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Up-regulation of p2x2, p2x4 receptor and ischemic cell death: prevention by p2 antagonists. <i>Neuroscience</i> , 2003, 120, 85-98.	2.3	147
2	Extracellular ATP and Neurodegeneration. <i>CNS and Neurological Disorders</i> , 2003, 2, 403-412.	4.3	144
3	P2X7 Receptor Modulation on Microglial Cells and Reduction of Brain Infarct Caused by Middle Cerebral Artery Occlusion in Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 974-982.	4.3	141
4	P2 receptor modulation and cytotoxic function in cultured CNS neurons. <i>Neuropharmacology</i> , 2002, 42, 489-501.	4.1	131
5	Metabotropic P2 receptor activation regulates oligodendrocyte progenitor migration and development. <i>Glia</i> , 2005, 50, 132-144.	4.9	129
6	ATP regulates oligodendrocyte progenitor migration, proliferation, and differentiation: involvement of metabotropic P2 receptors. <i>Brain Research Reviews</i> , 2005, 48, 157-165.	9.0	125
7	MicroRNA-125b regulates microglia activation and motor neuron death in ALS. <i>Cell Death and Differentiation</i> , 2016, 23, 531-541.	11.2	109
8	P2 receptor web: Complexity and fine-tuning. , 2006, 112, 264-280.		101
9	Spinal cord pathology is ameliorated by P2X7 antagonism in SOD1-G93A mouse model of amyotrophic lateral sclerosis. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1101-9.	2.4	95
10	Interaction between ATP and nerve growth factor signalling in the survival and neuritic outgrowth from PC12 cells. <i>Neuroscience</i> , 2001, 108, 527-534.	2.3	89
11	Ablation of P2X7 receptor exacerbates gliosis and motoneuron death in the SOD1-G93A mouse model of amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2013, 22, 4102-4116.	2.9	88
12	Synaptic P2X7 and Oxygen/Glucose Deprivation in Organotypic Hippocampal Cultures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 392-398.	4.3	69
13	Mapping P2X and P2Y receptor proteins in striatum and substantia nigra: An immunohistological study. <i>Purinergic Signalling</i> , 2007, 3, 389-398.	2.2	69
14	P2X7 Receptor Activation Modulates Autophagy in SOD1-G93A Mouse Microglia. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 249.	3.7	67
15	P2Y <sub>12</sub> Receptor on the Verge of a Neuroinflammatory Breakdown. <i>Mediators of Inflammation</i> , 2014, 2014, 1-15.	3.0	65
16	P2Y <sub>12</sub> Receptor Protein in Cortical Gray Matter Lesions in Multiple Sclerosis. <i>Cerebral Cortex</i> , 2010, 20, 1263-1273.	2.9	64
17	Purinergic contribution to amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2016, 104, 180-193.	4.1	62
18	P2X3 receptor localizes into lipid rafts in neuronal cells. <i>Journal of Neuroscience Research</i> , 2004, 76, 653-661.	2.9	59

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19	Clemastine Confers Neuroprotection and Induces an Anti-Inflammatory Phenotype in SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2016, 53, 518-531.	4.0	58
20	Modulation of P2X7 Receptor during Inflammation in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2017, 8, 1529.	4.8	53
21	Actions of the antihistaminergic clemastine on presymptomatic SOD1-G93A mice ameliorate ALS disease progression. <i>Journal of Neuroinflammation</i> , 2016, 13, 191.	7.2	51
22	Oligodendrocytes express P2Y12 metabotropic receptor in adult rat brain. <i>Neuroscience</i> , 2006, 141, 1171-1180.	2.3	44
23	The metabotropic P2Y4 receptor participates in the commitment to differentiation and cell death of human neuroblastoma SH-SY5Y cells. <i>Neurobiology of Disease</i> , 2005, 18, 100-109.	4.4	39
24	Purinergic signalling at the plasma membrane: a multipurpose and multidirectional mode to deal with amyotrophic lateral sclerosis and multiple sclerosis. <i>Journal of Neurochemistry</i> , 2011, 116, 796-805.	3.9	38
25	Histamine Regulates the Inflammatory Profile of SOD1-G93A Microglia and the Histaminergic System Is Dysregulated in Amyotrophic Lateral Sclerosis. <i>Frontiers in Immunology</i> , 2017, 8, 1689.	4.8	37
26	Do ATP and NO interact in the CNS?. <i>Progress in Neurobiology</i> , 2008, 84, 40-56.	5.7	36
27	Membrane compartments and purinergic signalling: P2X receptors in neurodegenerative and neuroinflammatory events. <i>FEBS Journal</i> , 2009, 276, 354-364.	4.7	35
28	Role of the metabotropic P2Y4 receptor during hypoglycemia: cross talk with the ionotropic NMDAR1 receptor. <i>Experimental Cell Research</i> , 2004, 300, 149-158.	2.6	33
29	A novel pathway of cell growth regulation mediated by a PLA 2 $\beta$ -derived phosphoinositide metabolite. <i>FASEB Journal</i> , 2006, 20, 2567-2569.	0.5	32
30	Histaminergic transmission slows progression of amyotrophic lateral sclerosis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 872-893.	7.3	27
31	The S100B Inhibitor Pentamidine Ameliorates Clinical Score and Neuropathology of Relapsing-Remitting Multiple Sclerosis Mouse Model. <i>Cells</i> , 2020, 9, 748.	4.1	26
32	Differences in the neurotoxicity profile induced by ATP and ATP $\beta$ S in cultured cerebellar granule neurons. <i>Neurochemistry International</i> , 2005, 47, 334-342.	3.8	24
33	Drug Repurposing: A Network-based Approach to Amyotrophic Lateral Sclerosis. <i>Neurotherapeutics</i> , 2021, 18, 1678-1691.	4.4	24
34	The P2Y4 receptor forms homo-oligomeric complexes in several CNS and PNS neuronal cells. <i>Purinergic Signalling</i> , 2006, 2, 575-582.	2.2	23
35	Fly for ALS: <i>Drosophila</i> modeling on the route to amyotrophic lateral sclerosis modifiers. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6143-6160.	5.4	23
36	P2 Receptor Antagonist Trinitrophenyl-Adenosine-Triphosphate Protects Hippocampus from Oxygen and Glucose Deprivation Cell Death. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 70-77.	2.5	22

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37	Extracellular adenosine triphosphate induces glutamate transporter-1 expression in hippocampus. <i>Hippocampus</i> , 2007, 17, 305-315.	1.9	21
38	Plasticity of primary microglia on micropatterned geometries and spontaneous long-distance migration in microfluidic channels. <i>BMC Neuroscience</i> , 2013, 14, 121.	1.9	21
39	Repurposing of Trimetazidine for amyotrophic lateral sclerosis: A study in SOD1 <sup>G93A</sup> mice. <i>British Journal of Pharmacology</i> , 2022, 179, 1732-1752.	5.4	21
40	Activation of skeletal muscle-resident glial cells upon nerve injury. <i>JCI Insight</i> , 2021, 6, .	5.0	20
41	Where and Why Modeling Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3977.	4.1	20
42	Growing role of S100B protein as a putative therapeutic target for neurological- and nonneurological-disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 446-458.	6.1	20
43	Receptor webs: Can the chunking theory tell us more about it?. <i>Brain Research Reviews</i> , 2008, 59, 1-8.	9.0	18
44	P2Y1 receptor switches to neurons from glia in juvenile versus neonatal rat cerebellar cortex. <i>BMC Developmental Biology</i> , 2007, 7, 77.	2.1	17
45	Functional microglia neurotransmitters in amyotrophic lateral sclerosis. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 121-128.	5.0	17
46	Protein cooperation: From neurons to networks. <i>Progress in Neurobiology</i> , 2008, 86, 61-71.	5.7	16
47	Omics-based exploration and functional validation of neurotrophic factors and histamine as therapeutic targets in ALS. <i>Ageing Research Reviews</i> , 2020, 62, 101121.	10.9	16
48	N-Glycans mutations rule oligomeric assembly and functional expression of P2X3 receptor for extracellular ATP. <i>Glycobiology</i> , 2011, 21, 634-643.	2.5	15
49	S100B Protein as a Therapeutic Target in Multiple Sclerosis: The S100B Inhibitor Arundic Acid Protects from Chronic Experimental Autoimmune Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13558.	4.1	14
50	Duality of P2X7 Receptor in Amyotrophic Lateral Sclerosis. <i>Frontiers in Pharmacology</i> , 2020, 11, 1148.	3.5	13
51	Novel P2X7 Antagonist Ameliorates the Early Phase of ALS Disease and Decreases Inflammation and Autophagy in SOD1-G93A Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10649.	4.1	13
52	Histamine Is an Inducer of the Heat Shock Response in SOD1-G93A Models of ALS. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3793.	4.1	11
53	Partial resistance of ataxin-2-containing olivary and pontine neurons to axotomy-induced degeneration. <i>Brain Research Bulletin</i> , 2005, 66, 212-221.	3.0	10
54	Nerve Growth Factor Neutralization Promotes Oligodendrogenesis by Increasing miR-219a-5p Levels. <i>Cells</i> , 2021, 10, 405.	4.1	7

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55	Functional Inactivation of Drosophila GCK Orthologs Causes Genomic Instability and Oxidative Stress in a Fly Model of MODY-2. International Journal of Molecular Sciences, 2021, 22, 918.	4.1	5
56	Repurposing Histaminergic Drugs in Multiple Sclerosis. International Journal of Molecular Sciences, 2022, 23, 6347.	4.1	5
57	The Histamine and Multiple Sclerosis Alliance: Pleiotropic Actions and Functional Validation. Current Topics in Behavioral Neurosciences, 2021, , 217-239.	1.7	4
58	Commentary: (Research Highlights Inflammation, Demyelination and Neurodegeneration: Risky Buddies) Tj ETQq0 0 0 rgBT /Qverlock 10	1.4	1
59	Micropatterned Geometry Shape Oligodendrocyte and Microglia Plasticity. Methods in Molecular Biology, 2018, 1727, 139-154.	0.9	0