Larissa Daniele Bobermin

List of Publications by Year
in descending order

46 papers	1,257 citations	304743 22 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	1874 citing authors

#	Article	IF	Citations
1	Resveratrol Protects C6 Astrocyte Cell Line against Hydrogen Peroxide-Induced Oxidative Stress through Heme Oxygenase 1. PLoS ONE, 2013, 8, e64372.	2.5	114
2	Guanosine inhibits LPS-induced pro-inflammatory response and oxidative stress in hippocampal astrocytes through the heme oxygenase-1 pathway. Purinergic Signalling, 2015, 11, 571-580.	2.2	72
3	Oxidative stress mediated by NMDA, AMPA/KA channels in acute hippocampal slices: Neuroprotective effect of resveratrol. Toxicology in Vitro, 2014, 28, 544-551.	2.4	66
4	Resveratrol Prevents Ammonia Toxicity in Astroglial Cells. PLoS ONE, 2012, 7, e52164.	2.5	64
5	Guanosine protects C6 astroglial cells against azideâ€induced oxidative damage: a putative role of heme oxygenase 1. Journal of Neurochemistry, 2014, 130, 61-74.	3.9	57
6	Ammonia-induced oxidative damage in neurons is prevented by resveratrol and lipoic acid with participation of heme oxygenase 1. NeuroToxicology, 2015, 49, 28-35.	3.0	50
7	Systemic Inflammation as a Driver of Brain Injury: the Astrocyte as an Emerging Player. Molecular Neurobiology, 2018, 55, 2685-2695.	4.0	48
8	Fluctuations in glucose levels induce glial toxicity with glutamatergic, oxidative and inflammatory implications. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1-14.	3.8	45
9	The neuroprotective effect of two statins: simvastatin and pravastatin on a streptozotocin-induced model of Alzheimerâ€™s disease in rats. Journal of Neural Transmission, 2011, 118, 1641-1649.	2.8	44
10	Adenosine receptors as a new target for resveratrol-mediated glioprotection. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 634-647.	3.8	41
11	Resveratrol Protects Hippocampal Astrocytes Against LPS-Induced Neurotoxicity Through HO-1, p38 and ERK Pathways. Neurochemical Research, 2015, 40, 1600-1608.	3.3	37
12	Gap junction inhibitors modulate S100B secretion in astrocyte cultures and acute hippocampal slices. Journal of Neuroscience Research, 2009, 87, 2439-2446.	2.9	36
13	Effects of atypical (risperidone) and typical (haloperidol) antipsychotic agents on astroglial functions. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 475-481.	3.2	34
14	Giopreventive effects of guanosine against glucose deprivation in vitro. Purinergic Signalling, 2013, 9, 643-654.	2.2	34
15	Signaling mechanisms underlying the glioprotective effects of resveratrol against mitochondrial dysfunction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1827-1838.	3.8	34
16	Physical exercise reverses spatial memory deficit and induces hippocampal astrocyte plasticity in diabetic rats. Brain Research, 2017, 1655, 242-251.	2.2	31
17	Resveratrol modulates GSH system in C6 astroglial cells through heme oxygenase 1 pathway. Molecular and Cellular Biochemistry, 2017, 428, 67-77.	3.1	30
18	Ammonia-Induced Glial-Inflammaging. Molecular Neurobiology, 2020, 57, 3552-3567.	4.0	30

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19	Lipoic acid increases glutamate uptake, glutamine synthetase activity and glutathione content in C6 astrocyte cell line. International Journal of Developmental Neuroscience, 2013, 31, 165-170.	1.6	28
20	Homocysteine Induces Glial Reactivity in Adult Rat Astrocyte Cultures. Molecular Neurobiology, 2018, 55, 1966-1976.	4.0	26
21	Anti-aging effects of guanosine in glial cells. Purinergic Signalling, 2016, 12, 697-706.	2.2	24
22	Resveratrol prevents ammonia-induced mitochondrial dysfunction and cellular redox imbalance in C6 astroglial cells. Nutritional Neuroscience, 2018, 21, 276-285.	3.1	24
23	Atypical neuroleptic risperidone modulates glial functions in C6 astroglial cells. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2009, 33, 11-15.	4.8	23
24	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. Toxicology in Vitro, 2015, 29, 2022-2029.	2.4	23
25	Lipoic acid and N-acetylcysteine prevent ammonia-induced inflammatory response in C6 astroglial cells: The putative role of ERK and HO1 signaling pathways. Toxicology in Vitro, 2015, 29, 1350-1357.	2.4	20
26	Age-Dependent Neurochemical Remodeling of Hypothalamic Astrocytes. Molecular Neurobiology, 2018, 55, 5565-5579.	4.0	20
27	Leptin stimulates the release of pro-inflammatory cytokines in hypothalamic astrocyte cultures from adult and aged rats. Metabolic Brain Disease, 2018, 33, 2059-2063.	2.9	19
28	Bioenergetics dysfunction, mitochondrial permeability transition pore opening and lipid peroxidation induced by hydrogen sulfide as relevant pathomechanisms underlying the neurological dysfunction characteristic of ethylmalonic encephalopathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2192-2201.	3.8	17
29	Differential effects of typical and atypical antipsychotics on astroglial cells <i>in vitro</i>. International Journal of Developmental Neuroscience, 2018, 69, 1-9.	1.6	16
30	Gliotoxicity and Glioprotection: the Dual Role of Glial Cells. Molecular Neurobiology, 2021, 58, 6577-6592.	4.0	16
31	Methylglyoxal alters glucose metabolism and increases AGEs content in C6 glioma cells. Metabolic Brain Disease, 2012, 27, 531-539.	2.9	15
32	Zika virus exposure affects neuron-glia communication in the hippocampal slices of adult rats. Scientific Reports, 2020, 10, 21604.	3.3	15
33	Short-Term Alterations in Behavior and Astroglial Function After Intracerebroventricular Infusion of Methylglyoxal in Rats. Neurochemical Research, 2021, 46, 183-196.	3.3	14
34	Lipoic acid protects C6 cells against ammonia exposure through Na+-K+-Clâˆ’ co-transporter and PKC pathway. Toxicology in Vitro, 2013, 27, 2041-2048.	2.4	12
35	COVID-19 and hyperammonemia: Potential interplay between liver and brain dysfunctions. Brain, Behavior, & Immunity - Health, 2021, 14, 100257.	2.5	11
36	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. Neurotoxicity Research, 2016, 29, 314-324.	2.7	10

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37	Cross-talk between guanidinoacetate neurotoxicity, memory and possible neuroprotective role of creatine. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165529.	3.8	10
38	Sulforaphane Induces Glioprotection After LPS Challenge. Cellular and Molecular Neurobiology, 2022, 42, 829-846.	3.3	9
39	High-glucose medium induces cellular differentiation and changes in metabolic functionality of oligodendroglia. Molecular Biology Reports, 2019, 46, 4817-4826.	2.3	8
40	Homocysteine and Gliotoxicity. Neurotoxicity Research, 2021, 39, 966-974.	2.7	8
41	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol. Molecular Neurobiology, 2022, 59, 1419-1439.	4.0	8
42	Evidence that thiol group modification and reactive oxygen species are involved in hydrogen sulfide-induced mitochondrial permeability transition pore opening in rat cerebellum. Mitochondrion, 2019, 47, 141-150.	3.4	7
43	Potential Glioprotective Strategies Against Diabetes-Induced Brain Toxicity. Neurotoxicity Research, 2021, 39, 1651-1664.	2.7	2
44	Glioprotective Effects of Resveratrol Against BMAA-Induced Astroglial Dysfunctions. Neurotoxicity Research, 2022, 40, 530-541.	2.7	2
45	Systemic, Intrathecal, and Intracerebroventricular Antihyperalgesic Effects of the Calcium Channel Blocker CTK 01512â€“2 Toxin in Persistent Pain Models. Molecular Neurobiology, 2022, , .	4.0	2
46	Mild Hyperhomocysteinemia Causes Anxiety-like Behavior and Brain Hyperactivity in Rodents: Are ATPase and Excitotoxicity by NMDA Receptor Overstimulation Involved in this Effect?. Cellular and Molecular Neurobiology, 2021, , 1.	3.3	1