

AndrÃ© Quincozes-Santos

List of Publications by Year in descending order

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106
papers

3,188
citations

117625

34
h-index

197818

49
g-index

109
all docs

109
docs citations

109
times ranked

4615
citing authors

#	ARTICLE	IF	CITATIONS
1	Green tea (âˆ™)epigallocatechin-3-gallate reverses oxidative stress and reduces acetylcholinesterase activity in a streptozotocin-induced model of dementia. <i>Behavioural Brain Research</i> , 2013, 236, 186-193.	2.2	131
2	Resveratrol Protects C6 Astrocyte Cell Line against Hydrogen Peroxide-Induced Oxidative Stress through Heme Oxygenase 1. <i>PLoS ONE</i> , 2013, 8, e64372.	2.5	114
3	Hippocampal Astrocyte Cultures from Adult and Aged Rats Reproduce Changes in Glial Functionality Observed in the Aging Brain. <i>Molecular Neurobiology</i> , 2017, 54, 2969-2985.	4.0	96
4	Resveratrol increases antioxidant defenses and decreases proinflammatory cytokines in hippocampal astrocyte cultures from newborn, adult and aged Wistar rats. <i>Toxicology in Vitro</i> , 2014, 28, 479-484.	2.4	95
5	Animal model of autism induced by prenatal exposure to valproate: Altered glutamate metabolism in the hippocampus. <i>Brain Research</i> , 2013, 1495, 52-60.	2.2	73
6	Guanosine inhibits LPS-induced pro-inflammatory response and oxidative stress in hippocampal astrocytes through the heme oxygenase-1 pathway. <i>Purinergic Signalling</i> , 2015, 11, 571-580.	2.2	72
7	Resveratrol attenuates oxidative-induced DNA damage in C6 Glioma cells. <i>NeuroToxicology</i> , 2007, 28, 886-891.	3.0	71
8	Characterization of Adult Rat Astrocyte Cultures. <i>PLoS ONE</i> , 2013, 8, e60282.	2.5	67
9	Oxidative stress mediated by NMDA, AMPA/KA channels in acute hippocampal slices: Neuroprotective effect of resveratrol. <i>Toxicology in Vitro</i> , 2014, 28, 544-551.	2.4	66
10	Resveratrol modulates astroglial functions: neuroprotective hypothesis. <i>Annals of the New York Academy of Sciences</i> , 2011, 1215, 72-78.	3.8	65
11	Resveratrol Prevents Ammonia Toxicity in Astroglial Cells. <i>PLoS ONE</i> , 2012, 7, e52164.	2.5	64
12	S100B secretion is stimulated by IL-1 β in glial cultures and hippocampal slices of rats: Likely involvement of MAPK pathway. <i>Journal of Neuroimmunology</i> , 2009, 206, 52-57.	2.3	63
13	Epigallocatechin-3-gallate protects rat brain mitochondria against cadmium-induced damage. <i>Food and Chemical Toxicology</i> , 2011, 49, 2618-2623.	3.6	58
14	Guanosine protects C6 astroglial cells against azide-induced oxidative damage: a putative role of heme oxygenase 1. <i>Journal of Neurochemistry</i> , 2014, 130, 61-74.	3.9	57
15	Treadmill training restores spatial cognitive deficits and neurochemical alterations in the hippocampus of rats submitted to an intracerebroventricular administration of streptozotocin. <i>Journal of Neural Transmission</i> , 2010, 117, 1295-1305.	2.8	56
16	N-acetylcysteine Prevents Alcohol Related Neuroinflammation in Rats. <i>Neurochemical Research</i> , 2017, 42, 2135-2141.	3.3	55
17	Hippocampal Alterations in Rats Submitted to Streptozotocin-Induced Dementia Model are Prevented by Aminoguanidine. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 193-202.	2.6	53
18	S100B Secretion in Acute Brain Slices: Modulation by Extracellular Levels of Ca $^{2+}$ and K $^{+}$. <i>Neurochemical Research</i> , 2009, 34, 1603-1611.	3.3	51

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19	Ammonia-induced oxidative damage in neurons is prevented by resveratrol and lipoic acid with participation of heme oxygenase 1. <i>NeuroToxicology</i> , 2015, 49, 28-35.	3.0	50
20	Systemic Inflammation as a Driver of Brain Injury: the Astrocyte as an Emerging Player. <i>Molecular Neurobiology</i> , 2018, 55, 2685-2695.	4.0	48
21	Treadmill Exercise Induces Hippocampal Astroglial Alterations in Rats. <i>Neural Plasticity</i> , 2013, 2013, 1-10.	2.2	47
22	Glycolysis-Derived Compounds From Astrocytes That Modulate Synaptic Communication. <i>Frontiers in Neuroscience</i> , 2018, 12, 1035.	2.8	47
23	S100B content and secretion decrease in astrocytes cultured in high-glucose medium. <i>Neurochemistry International</i> , 2007, 50, 774-782.	3.8	46
24	Fluctuations in glucose levels induce glial toxicity with glutamatergic, oxidative and inflammatory implications. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1-14.	3.8	45
25	The Potential Therapeutic Effect of Guanosine after Cortical Focal Ischemia in Rats. <i>PLoS ONE</i> , 2014, 9, e90693.	2.5	45
26	Neuron-glia Interaction as a Possible Pathophysiological Mechanism of Bipolar Disorder. <i>Current Neuropharmacology</i> , 2018, 16, 519-532.	2.9	45
27	The Janus Face of Resveratrol in Astroglial Cells. <i>Neurotoxicity Research</i> , 2009, 16, 30-41.	2.7	44
28	The neuroprotective effect of two statins: simvastatin and pravastatin on a streptozotocin-induced model of Alzheimer's disease in rats. <i>Journal of Neural Transmission</i> , 2011, 118, 1641-1649.	2.8	44
29	Adenosine receptors as a new target for resveratrol-mediated glioprotection. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 634-647.	3.8	41
30	Differential effects of insulin on peripheral diabetes-related changes in mitochondrial bioenergetics: Involvement of advanced glycosylated end products. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1460-1471.	3.8	39
31	Congenital hypothyroidism alters the oxidative status, enzyme activities and morphological parameters in the hippocampus of developing rats. <i>Molecular and Cellular Endocrinology</i> , 2013, 375, 14-26.	3.2	39
32	Zika Virus Infection of Human Mesenchymal Stem Cells Promotes Differential Expression of Proteins Linked to Several Neurological Diseases. <i>Molecular Neurobiology</i> , 2019, 56, 4708-4717.	4.0	39
33	Effect of the atypical neuroleptic risperidone on morphology and S100B secretion in C6 astroglial lineage cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 314, 59-63.	3.1	38
34	Resveratrol Protects Hippocampal Astrocytes Against LPS-Induced Neurotoxicity Through HO-1, p38 and ERK Pathways. <i>Neurochemical Research</i> , 2015, 40, 1600-1608.	3.3	37
35	Astrocytes from adult Wistar rats aged in vitro show changes in glial functions. <i>Neurochemistry International</i> , 2015, 90, 93-97.	3.8	37
36	Moderate exercise training and chronic caloric restriction modulate redox status in rat hippocampus. <i>Brain Research</i> , 2011, 1421, 1-10.	2.2	35

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37	Effects of atypical (risperidone) and typical (haloperidol) antipsychotic agents on astroglial functions. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 475-481.	3.2	34
38	Gliopreventive effects of guanosine against glucose deprivation in vitro. <i>Purinergic Signalling</i> , 2013, 9, 643-654.	2.2	34
39	Signaling mechanisms underlying the glioprotective effects of resveratrol against mitochondrial dysfunction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1827-1838.	3.8	34
40	Transcranial direct current stimulation improves long-term memory deficits in an animal model of attention-deficit/hyperactivity disorder and modulates oxidative and inflammatory parameters. <i>Brain Stimulation</i> , 2018, 11, 743-751.	1.6	34
41	Resveratrol modulates GSH system in C6 astroglial cells through heme oxygenase 1 pathway. <i>Molecular and Cellular Biochemistry</i> , 2017, 428, 67-77.	3.1	30
42	Ammonia-Induced Glial-Inflammaging. <i>Molecular Neurobiology</i> , 2020, 57, 3552-3567.	4.0	30
43	Heat-induced extracellular HSP72 release is blunted in elderly diabetic people compared with healthy middle-aged and older adults, but it is partially restored by resistance training. <i>Experimental Gerontology</i> , 2018, 111, 180-187.	2.8	29
44	Lipoic acid increases glutamate uptake, glutamine synthetase activity and glutathione content in C6 astrocyte cell line. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 165-170.	1.6	28
45	Effect of a trans fatty acid-enriched diet on biochemical and inflammatory parameters in Wistar rats. <i>European Journal of Nutrition</i> , 2017, 56, 1003-1016.	3.9	28
46	Ketogenic diet-fed rats have increased fat mass and phosphoenolpyruvate carboxykinase activity. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1365-1371.	3.3	27
47	Riluzole increases glutamate uptake by cultured C6 astroglial cells. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 482-486.	1.6	26
48	Olfactory bulbectomy in mice triggers transient and long-lasting behavioral impairments and biochemical hippocampal disturbances. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 76, 1-11.	4.8	26
49	Increased Oxidative Parameters and Decreased Cytokine Levels in an Animal Model of Attention-Deficit/Hyperactivity Disorder. <i>Neurochemical Research</i> , 2017, 42, 3084-3092.	3.3	26
50	Homocysteine Induces Glial Reactivity in Adult Rat Astrocyte Cultures. <i>Molecular Neurobiology</i> , 2018, 55, 1966-1976.	4.0	26
51	Anti-aging effects of guanosine in glial cells. <i>Purinergic Signalling</i> , 2016, 12, 697-706.	2.2	24
52	Glioprotective Effect of Resveratrol: an Emerging Therapeutic Role for Oligodendroglial Cells. <i>Molecular Neurobiology</i> , 2018, 55, 2967-2978.	4.0	24
53	Resveratrol prevents ammonia-induced mitochondrial dysfunction and cellular redox imbalance in C6 astroglial cells. <i>Nutritional Neuroscience</i> , 2018, 21, 276-285.	3.1	24
54	Developmental changes in content of glial marker proteins in rats exposed to protein malnutrition. <i>Brain Research</i> , 2008, 1187, 33-41.	2.2	23

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55	Atypical neuroleptic risperidone modulates glial functions in C6 astroglial cells. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 11-15.	4.8	23
56	Caloric restriction increases hippocampal glutamate uptake and glutamine synthetase activity in Wistar rats. <i>Neuroscience Research</i> , 2009, 64, 330-334.	1.9	23
57	Ammonia impairs glutamatergic communication in astroglial cells: protective role of resveratrol. <i>Toxicology in Vitro</i> , 2015, 29, 2022-2029.	2.4	23
58	1,25-Dihydroxyvitamin D3 exerts neuroprotective effects in an <i>in vivo</i> model of mild hyperhomocysteinemia. <i>International Journal of Developmental Neuroscience</i> , 2016, 48, 71-79.	1.6	23
59	Epicatechin gallate increases glutamate uptake and S100B secretion in C6 cell lineage. <i>Molecular and Cellular Biochemistry</i> , 2008, 310, 153-158.	3.1	22
60	Actions of redox-active compound resveratrol under hydrogen peroxide insult in C6 astroglial cells. <i>Toxicology in Vitro</i> , 2010, 24, 916-920.	2.4	20
61	In vitro S100B secretion is reduced by apomorphine: Effects of antipsychotics and antioxidants. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1291-1296.	4.8	20
62	Lipoic acid and N-acetylcysteine prevent ammonia-induced inflammatory response in C6 astroglial cells: The putative role of ERK and HO1 signaling pathways. <i>Toxicology in Vitro</i> , 2015, 29, 1350-1357.	2.4	20
63	Age-Dependent Neurochemical Remodeling of Hypothalamic Astrocytes. <i>Molecular Neurobiology</i> , 2018, 55, 5565-5579.	4.0	20
64	Leptin stimulates the release of pro-inflammatory cytokines in hypothalamic astrocyte cultures from adult and aged rats. <i>Metabolic Brain Disease</i> , 2018, 33, 2059-2063.	2.9	19
65	Differential effects of typical and atypical antipsychotics on astroglial cells <i>in vitro</i> . <i>International Journal of Developmental Neuroscience</i> , 2018, 69, 1-9.	1.6	16
66	Effects of short-term resistance training on endothelial function and inflammation markers in elderly patients with type 2 diabetes: A randomized controlled trial. <i>Experimental Gerontology</i> , 2019, 118, 19-25.	2.8	16
67	Gliotoxicity and Glioprotection: the Dual Role of Glial Cells. <i>Molecular Neurobiology</i> , 2021, 58, 6577-6592.	4.0	16
68	Caloric restriction improves basal redox parameters in hippocampus and cerebral cortex of Wistar rats. <i>Brain Research</i> , 2012, 1472, 11-19.	2.2	15
69	High-Glucose and S100B Stimulate Glutamate Uptake in C6 Glioma Cells. <i>Neurochemical Research</i> , 2012, 37, 1399-1408.	3.3	15
70	Induction of a Proinflammatory Response in Cortical Astrocytes by the Major Metabolites Accumulating in HMG-CoA Lyase Deficiency: the Role of ERK Signaling Pathway in Cytokine Release. <i>Molecular Neurobiology</i> , 2016, 53, 3586-3595.	4.0	15
71	Zika virus exposure affects neuron-glia communication in the hippocampal slices of adult rats. <i>Scientific Reports</i> , 2020, 10, 21604.	3.3	15
72	Carbon Tetrachloride Increases the Pro-inflammatory Cytokines Levels in Different Brain Areas of Wistar Rats: The Protective Effect of Acai Frozen Pulp. <i>Neurochemical Research</i> , 2015, 40, 1976-1983.	3.3	14

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73	Ornithine and Homocitrulline Impair Mitochondrial Function, Decrease Antioxidant Defenses and Induce Cell Death in Menadione-Stressed Rat Cortical Astrocytes: Potential Mechanisms of Neurological Dysfunction in HHH Syndrome. <i>Neurochemical Research</i> , 2016, 41, 2190-2198.	3.3	14
74	Short-Term Alterations in Behavior and Astroglial Function After Intracerebroventricular Infusion of Methylglyoxal in Rats. <i>Neurochemical Research</i> , 2021, 46, 183-196.	3.3	14
75	COVID-19 impacts the expression of molecular markers associated with neuropsychiatric disorders. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 11, 100196.	2.5	14
76	Induction of S100B secretion in C6 astroglial cells by the major metabolites accumulating in glutaric acidemia type I. <i>Metabolic Brain Disease</i> , 2010, 25, 191-198.	2.9	13
77	Methylglyoxal Induces Changes in the Glyoxalase System and Impairs Glutamate Uptake Activity in Primary Astrocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-11.	4.0	13
78	Cortical Bilateral Adaptations in Rats Submitted to Focal Cerebral Ischemia: Emphasis on Glial Metabolism. <i>Molecular Neurobiology</i> , 2018, 55, 2025-2041.	4.0	13
79	Genoprotective Effects of the Green Tea-Derived Polyphenol/Epicatechin Gallate in C6 Astroglial Cells. <i>Journal of Medicinal Food</i> , 2010, 13, 1111-1115.	1.5	12
80	Lipoic acid protects C6 cells against ammonia exposure through Na ⁺ -K ⁺ -Cl ⁻ co-transporter and PKC pathway. <i>Toxicology in Vitro</i> , 2013, 27, 2041-2048.	2.4	12
81	Effect of a trans fatty acid-enriched diet on mitochondrial, inflammatory, and oxidative stress parameters in the cortex and hippocampus of Wistar rats. <i>European Journal of Nutrition</i> , 2018, 57, 1913-1924.	3.9	12
82	Neurodevelopment in Children Exposed to Zika in utero: Clinical and Molecular Aspects. <i>Frontiers in Genetics</i> , 2022, 13, 758715.	2.3	12
83	COVID-19 and hyperammonemia: Potential interplay between liver and brain dysfunctions. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 14, 100257.	2.5	11
84	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. <i>Neurotoxicity Research</i> , 2016, 29, 314-324.	2.7	10
85	Cross-talk between guanidinoacetate neurotoxicity, memory and possible neuroprotective role of creatine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 165529.	3.8	10
86	Combined Exposure to Alcohol and Tobacco Smoke Changes Oxidative, Inflammatory, and Neurotrophic Parameters in Different Areas of the Brains of Rats. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1336-1346.	3.5	10
87	Environmental exposure to mineral coal and by-products: Influence on human health and genomic instability. <i>Environmental Pollution</i> , 2021, 287, 117346.	7.5	10
88	Sulforaphane Induces Glioprotection After LPS Challenge. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 829-846.	3.3	9
89	High-glucose medium induces cellular differentiation and changes in metabolic functionality of oligodendroglia. <i>Molecular Biology Reports</i> , 2019, 46, 4817-4826.	2.3	8
90	Homocysteine and Gliotoxicity. <i>Neurotoxicity Research</i> , 2021, 39, 966-974.	2.7	8

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91	Zika Virus Infection Associated with Autism Spectrum Disorder: A Case Report. <i>NeuroImmunoModulation</i> , 2021, 28, 229-232.	1.8	8
92	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol. <i>Molecular Neurobiology</i> , 2022, 59, 1419-1439.	4.0	8
93	Higher Vulnerability of Menadione-Exposed Cortical Astrocytes of Glutaryl-CoA Dehydrogenase Deficient Mice to Oxidative Stress, Mitochondrial Dysfunction, and Cell Death: Implications for the Neurodegeneration in Glutaric Aciduria Type I. <i>Molecular Neurobiology</i> , 2017, 54, 4795-4805.	4.0	7
94	ZIKA Virus and Neuroscience: the Need for a Translational Collaboration. <i>Molecular Neurobiology</i> , 2018, 55, 1551-1555.	4.0	7
95	Characterization of Amino Acid Profile and Enzymatic Activity in Adult Rat Astrocyte Cultures. <i>Neurochemical Research</i> , 2016, 41, 1578-1586.	3.3	6
96	In Vitro Adult Astrocytes are Derived From Mature Cells and Reproduce in Vivo Redox Profile. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3111-3118.	2.6	5
97	Association between Zika virus and future neurological diseases. <i>Journal of the Neurological Sciences</i> , 2020, 409, 116617.	0.6	5
98	Changes in Inflammatory Response, Redox Status and Na ⁺ , K ⁺ -ATPase Activity in Primary Astrocyte Cultures from Female Wistar Rats Subject to Ovariectomy. <i>Neurotoxicity Research</i> , 2020, 37, 445-454.	2.7	5
99	ZIKAVIDâ€™ Zika virus infection database: a new platform to analyze the molecular impact of Zika virus infection. <i>Journal of NeuroVirology</i> , 2020, 26, 77-83.	2.1	4
100	Association between molecular markers of COVIDâ€™19 and Alzheimer's disease. <i>Journal of Medical Virology</i> , 2022, 94, 833-835.	5.0	4
101	Potential Glioprotective Strategies Against Diabetes-Induced Brain Toxicity. <i>Neurotoxicity Research</i> , 2021, 39, 1651-1664.	2.7	2
102	Antioxidant and Neuroprotective Effect of Organic and Conventional White Grape Juices on Oxidative Stress Induced by Sodium Azide in Cerebral Cortex of Rats. <i>European Journal of Nutrition & Food Safety</i> , 2014, 4, 592-603.	0.2	2
103	Glioprotective Effects of Resveratrol Against BMAA-Induced Astroglial Dysfunctions. <i>Neurotoxicity Research</i> , 2022, 40, 530-541.	2.7	2
104	Systemic, Intrathecal, and Intracerebroventricular Antihyperalgesic Effects of the Calcium Channel Blocker CTK 01512â€™2 Toxin in Persistent Pain Models. <i>Molecular Neurobiology</i> , 2022, , .	4.0	2
105	Mild Hyperhomocysteinemia Causes Anxiety-like Behavior and Brain Hyperactivity in Rodents: Are ATPase and Excitotoxicity by NMDA Receptor Overstimulation Involved in this Effect?. <i>Cellular and Molecular Neurobiology</i> , 2021, , 1.	3.3	1
106	TOM70 in Glial Cells as a Potential Target for Treatment of COVID-19. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 811376.	3.7	0