## Carlos Alexandre Netto

List of Publications by Year in descending order

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120 papers 4,230 citations

39 h-index 59 g-index

121 all docs

121 docs citations

times ranked

121

5341 citing authors

#	Article	IF	CITATIONS
1	Role of Brain Î'-endorphin in Memory Modulation Revisited. Neuroscience, 2022, 497, 30-38.	1.1	3
2	Coumestrol preâ€treatment improves spatial learning and memory deficits following transient cerebral ischemia recruiting hippocampal <scp>GluR2 AMPA</scp> receptors. Hippocampus, 2022, 32, 413-418.	0.9	2
3	Effects of acrobatic training on spatial memory and astrocytic scar in CA1 subfield of hippocampus after chronic cerebral hypoperfusion in male and female rats. Behavioural Brain Research, 2022, 430, 113935.	1.2	3
4	Therapeutic hypothermia for the treatment of neonatal hypoxia-ischemia: sex-dependent modulation of reactive astrogliosis. Metabolic Brain Disease, 2022, 37, 2315-2329.	1.4	2
5	Pre―and early postnatal enriched environmental experiences prevent neonatal hypoxiaâ€ischemia late neurodegeneration via metabolic and neuroplastic mechanisms. Journal of Neurochemistry, 2021, 157, 1911-1929.	2.1	4
6	A tribute to Professor Ivan Izquierdo. Jornal Brasileiro De Psiquiatria, 2021, 70, 89-90.	0.2	0
7	Arundic acid (ONO-2526) inhibits stimulated-S100B secretion in inflammatory conditions. Neuroscience Letters, 2021, 751, 135776.	1.0	7
8	Lactate Administration Reduces Brain Injury and Ameliorates Behavioral Outcomes Following Neonatal Hypoxia–Ischemia. Neuroscience, 2020, 448, 191-205.	1.1	21
9	Long-Lasting Actions of Progesterone Protect the Neonatal Brain Following Hypoxia-Ischemia. Cellular and Molecular Neurobiology, 2020, 40, 1417-1428.	1.7	10
10	Long-term changes in metabolic brain network drive memory impairments in rats following neonatal hypoxia-ischemia. Neurobiology of Learning and Memory, 2020, 171, 107207.	1.0	10
11	Neurometabolic effects of sweetened solution intake during adolescence related to depressive-like phenotype in rats. Nutrition, 2020, 75-76, 110770.	1.1	3
12	Stem Cells from Human Exfoliated Deciduous Teeth Modulate Early Astrocyte Response after Spinal Cord Contusion. Molecular Neurobiology, 2019, 56, 748-760.	1.9	44
13	Phytoestrogen coumestrol attenuates brain mitochondrial dysfunction and longâ€term cognitive deficits following neonatal hypoxia–ischemia. International Journal of Developmental Neuroscience, 2019, 79, 86-95.	0.7	23
14	Galantamine improves functional recovery and reduces lesion size in a rat model of spinal cord injury. Brain Research, 2019, 1724, 146424.	1.1	7
15	Effect of corporal suspension and pendulum exercises on neuromuscular properties and functionality in patients with medullar thoracic injury. Clinical Biomechanics, 2019, 63, 214-220.	0.5	2
16	Poly (lactide-co-glycolide) (PLGA) Scaffold Induces Short-term Nerve Regeneration and Functional Recovery Following Sciatic Nerve Transection in Rats. Neuroscience, 2019, 396, 94-107.	1.1	24
17	Plantar stimulation in parkinsonians: From biomarkers to mobility – randomized-controlled trial. Restorative Neurology and Neuroscience, 2018, 36, 195-205.	0.4	10
18	Experimental neonatal hypoxia ischemia causes long lasting changes of oxidative stress parameters in the hippocampus and the spleen. Journal of Perinatal Medicine, 2018, 46, 433-439.	0.6	9

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19	Synergistic Toxicity of the Neurometabolites Quinolinic Acid and Homocysteine in Cortical Neurons and Astrocytes: Implications in Alzheimer's Disease. Neurotoxicity Research, 2018, 34, 147-163.	1.3	16
20	Intracardiac Injection of Dental Pulp Stem Cells After Neonatal Hypoxia-Ischemia Prevents Cognitive Deficits in Rats. Neurochemical Research, 2018, 43, 2268-2276.	1.6	7
21	Glial fibrillary acidic protein levels are associated with global histone H4 acetylation after spinal cord injury in rats. Neural Regeneration Research, 2018, 13, 1945.	1.6	10
22	Astrocytes in the cerebral cortex play a role in the spontaneous motor recovery following experimental striatal hemorrhage. Neural Regeneration Research, 2018, 13, 67.	1.6	5
23	D-Galactose Causes Motor Coordination Impairment, and Histological and Biochemical Changes in the Cerebellum of Rats. Molecular Neurobiology, 2017, 54, 4127-4137.	1.9	10
24	Forced Treadmill Exercise Prevents Spatial Memory Deficits in Aged Rats Probably Through the Activation of Na+, K+-ATPase in the Hippocampus. Neurochemical Research, 2017, 42, 1422-1429.	1.6	9
25	Treadmill running prevents age-related memory deficit and alters neurotrophic factors and oxidative damage in the hippocampus of Wistar rats. Behavioural Brain Research, 2017, 334, 78-85.	1,2	40
26	Vitamin D3 Reverses the Hippocampal Cytoskeleton Imbalance But Not Memory Deficits Caused by Ovariectomy in Adult Wistar Rats. NeuroMolecular Medicine, 2017, 19, 345-356.	1.8	9
27	Sexâ€dependent consequences of neonatal brain hypoxiaâ€ischemia in the rat. Journal of Neuroscience Research, 2017, 95, 409-421.	1.3	84
28	Folic Acid Can Contribute to Memory Deficit and Na+, K+- ATPase Failure in the Hippocampus of Adolescent Rats Submitted to Hypoxia- Ischemia. CNS and Neurological Disorders - Drug Targets, 2016, 15, 64-72.	0.8	12
29	Behavioral benefits of maternal swimming are counteracted by neonatal hypoxia-ischemia in the offspring. Behavioural Brain Research, 2016, 312, 30-38.	1.2	20
30	Intracerebroventricular <scp>d</scp> â€galactose administration impairs memory and alters activity and expression of acetylcholinesterase in the rat. International Journal of Developmental Neuroscience, 2016, 50, 1-6.	0.7	7
31	Effect of maternal exercise on biochemical parameters in rats submitted to neonatal hypoxia-ischemia. Brain Research, 2015, 1622, 91-101.	1.1	17
32	Astrocyte morphology after ischemic and hemorrhagic experimental stroke has no influence on the different recovery patterns. Behavioural Brain Research, 2015, 278, 257-261.	1.2	31
33	Neonatal hypoxic–ischemic encephalopathy reduces câ€Fos activation in the rat hippocampus: evidence of a longâ€lasting effect. International Journal of Developmental Neuroscience, 2014, 38, 213-222.	0.7	7
34	Coumestrol treatment prevents Na <sup>+</sup> , K <sup>+</sup> -ATPase inhibition and affords histological neuroprotection to male rats receiving cerebral global ischemia. Neurological Research, 2014, 36, 198-206.	0.6	22
35	Long-term effects of pre and post-ischemic exercise following global cerebral ischemia on astrocyte and microglia functions in hippocampus from Wistar rats. Brain Research, 2014, 1587, 119-126.	1.1	11
36	Effects of daily environmental enrichment on behavior and dendritic spine density in hippocampus following neonatal hypoxia–ischemia in the rat. Experimental Neurology, 2013, 241, 25-33.	2.0	95

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37	Treadmill exercise induces age-related changes in aversive memory, neuroinflammatory and epigenetic processes in the rat hippocampus. Neurobiology of Learning and Memory, 2013, 101, 94-102.	1.0	113
38	Behavior outcome after ischemic and hemorrhagic stroke, with similar brain damage, in rats. Behavioural Brain Research, 2013, 244, 82-89.	1.2	39
39	Resveratrol prevents global cerebral ischemia-induced decrease in lipid content. Neurological Research, 2013, 35, 59-64.	0.6	18
40	Effects of chronic guanosine treatment on hippocampal damage and cognitive impairment of rats submitted to chronic cerebral hypoperfusion. Neurological Sciences, 2012, 33, 985-997.	0.9	29
41	Resveratrol preconditioning modulates inflammatory response in the rat hippocampus following global cerebral ischemia. Neurochemistry International, 2012, 61, 659-665.	1.9	61
42	Forced treadmill exercise prevents oxidative stress and memory deficits following chronic cerebral hypoperfusion in the rat. Neurobiology of Learning and Memory, 2012, 97, 90-96.	1.0	119
43	Time-dependent effects of treadmill exercise on aversive memory and cyclooxygenase pathway function. Neurobiology of Learning and Memory, 2012, 98, 182-187.	1.0	14
44	Environmental enrichment prevents behavioral deficits and oxidative stress caused by chronic cerebral hypoperfusion in the rat. Life Sciences, 2012, 91, 29-36.	2.0	56
45	Neonatal hypoxia–ischemia induces sex-related changes in rat brain mitochondria. Mitochondrion, 2012, 12, 271-279.	1.6	48
46	Chronic brain hypoperfusion causes early glial activation and neuronal death, and subsequent long-term memory impairment. Brain Research Bulletin, 2012, 87, 109-116.	1.4	135
47	Coumestrol has neuroprotective effects before and after global cerebral ischemia in female rats. Brain Research, 2012, 1474, 82-90.	1.1	45
48	Effect of skilled and unskilled training on nerve regeneration and functional recovery. Brazilian Journal of Medical and Biological Research, 2012, 45, 753-762.	0.7	14
49	Folic Acid Prevents Behavioral Impairment and Na+,K+-ATPase Inhibition Caused by Neonatal Hypoxia–Ischemia. Neurochemical Research, 2012, 37, 1624-1630.	1.6	24
50	Chronic Hyperhomocysteinemia Increases Inflammatory Markers in Hippocampus and Serum of Rats. Neurochemical Research, 2012, 37, 1660-1669.	1.6	41
51	Effects of pre- and postnatal protein malnutrition in hypoxic–ischemic rats. Brain Research, 2012, 1438, 85-92.	1.1	39
52	Chronic methylphenidate administration alters antioxidant defenses and butyrylcholinesterase activity in blood of juvenile rats. Molecular and Cellular Biochemistry, 2012, 361, 281-288.	1.4	19
53	Mesenchymal Stem Cell Adherence on Poly(D, L-Lactide-Co-Glycolide) Nanofibers Scaffold is Integrin-<l>Î <sup>2</sup> </l>1 Receptor Dependent. Journal of Biomedical Nanotechnology, 2012, 8, 211-218.	0.5	27
54	Lifetime behavioural changes after exposure to anaesthetics in infant rats. Behavioural Brain Research, 2011, 218, 51-56.	1.2	16

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55	Ascorbate uptake is decreased in the hippocampus of ageing rats. Neurochemistry International, 2011, 58, 527-532.	1.9	10
56	Amyloid- $\hat{l}^2$ induced toxicity involves ganglioside expression and is sensitive to GM1 neuroprotective action. Neurochemistry International, 2011, 59, 648-655.	1.9	43
57	Resveratrol prevents oxidative stress and inhibition of Na+K+-ATPase activity induced by transient global cerebral ischemia in rats. Journal of Nutritional Biochemistry, 2011, 22, 921-928.	1.9	80
58	Behavioral and neurochemical effects of proline. Metabolic Brain Disease, 2011, 26, 159-172.	1.4	73
59	Running exercise effects on spatial and avoidance tasks in ovariectomized rats. Neurobiology of Learning and Memory, 2010, 94, 312-317.	1.0	30
60	Long-term effects of environmental stimulation following hypoxia–ischemia on the oxidative state and BDNF levels in rat hippocampus and frontal cortex. Brain Research, 2009, 1247, 188-195.	1.1	52
61	Astroglial and cognitive effects of chronic cerebral hypoperfusion in the rat. Brain Research, 2009, 1251, 204-212.	1.1	79
62	Exercise effects on activities of Na+,K+-ATPase, acetylcholinesterase and adenine nucleotides hydrolysis in ovariectomized rats. Brain Research, 2009, 1302, 248-255.	1.1	27
63	Skilled forelimb reaching in Wistar rats: Evaluation by means of Montoya staircase test. Journal of Neuroscience Methods, 2009, 177, 115-121.	1.3	16
64	Chronic early postnatal administration of ethylmalonic acid to rats causes behavioral deficit. Behavioural Brain Research, 2009, 197, 364-370.	1.2	11
65	Sulfite increases lipoperoxidation and decreases the activity of catalase in brain of rats. Metabolic Brain Disease, 2008, 23, 123-132.	1.4	24
66	Effect of a neuroprotective exercise protocol on oxidative state and BDNF levels in the rat hippocampus. Brain Research, 2008, 1188, 182-188.	1.1	64
67	Early enriched housing results in partial recovery of memory deficits in female, but not in male, rats after neonatal hypoxia–ischemia. Brain Research, 2008, 1218, 257-266.	1.1	79
68	Intrastriatal injection of hypoxanthine impairs memory formation of step-down inhibitory avoidance task in rats. Pharmacology Biochemistry and Behavior, 2008, 90, 594-597.	1.3	5
69	Biochemical effects of pretreatment with vitamins E and C in rats submitted to intrastriatal hypoxanthine administration. Neurochemistry International, 2008, 52, 1276-1283.	1.9	9
70	Incorporation in polymeric nanocapsules improves the antioxidant effect of melatonin against lipid peroxidation in mice brain and liver. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 64-71.	2.0	55
71	Chronic early postnatal glutaric acid administration causes cognitive deficits in the water maze. Behavioural Brain Research, 2008, 187, 411-416.	1.2	10
72	Effects of daily environmental enrichment on memory deficits and brain injury following neonatal hypoxia-ischemia in the rat. Neurobiology of Learning and Memory, 2007, 87, 101-108.	1.0	115

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73	Homocysteine reduces cholinesterase activity in rat and human serum. International Journal of Developmental Neuroscience, 2007, 25, 201-205.	0.7	5
74	An ultrastructural study of cell death in the CA1 pyramidal field of the hippocapmus in rats submitted to transient global ischemia followed by reperfusion. Journal of Anatomy, 2007, 211, 589-599.	0.9	28
75	Effect of treadmill exercise on cell damage in rat hippocampal slices submitted to oxygen and glucose deprivation. Brain Research, 2007, 1157, 121-125.	1.1	49
76	Intrastriatal Hypoxanthine Reduces Na+,K+-ATPase Activity and Induces Oxidative Stress in the Rats. Metabolic Brain Disease, 2007, 22, 1-11.	1.4	22
77	Intrastriatal injection of hypoxanthine reduces striatal serotonin content and impairs spatial memory performance in rats. Metabolic Brain Disease, 2007, 22, 67-76.	1.4	17
78	$\hat{l}_{\pm}$ -Tocopherol and ascorbic acid prevent memory deficits provoked by chronic hyperprolinemia in rats. Behavioural Brain Research, 2006, 168, 185-189.	1.2	30
79	Exercise intensity influences cell injury in rat hippocampal slices exposed to oxygen and glucose deprivation. Brain Research Bulletin, 2006, 71, 155-159.	1.4	58
80	Hyperhomocysteinemia increases damage on brain slices exposed to in vitro model of oxygen and glucose deprivation: prevention by folic acid. International Journal of Developmental Neuroscience, 2006, 24, 285-291.	0.7	13
81	Intrastriatal hypoxanthine administration affects Na + ,K + â€ATPase, acetylcholinesterase and catalase activities in striatum, hippocampus and cerebral cortex of rats. International Journal of Developmental Neuroscience, 2006, 24, 411-417.	0.7	7
82	Homocysteine increases neuronal damage in hippocampal slices receiving oxygen and glucose deprivation. Metabolic Brain Disease, 2006, 21, 273-278.	1.4	9
83	The Effects of Estradiol on Estrogen Receptor and Glutamate Transporter Expression in Organotypic Hippocampal Cultures Exposed to Oxygen-Glucose Deprivation. Neurochemical Research, 2006, 31, 483-490.	1.6	26
84	Chronic bilateral common carotid artery occlusion: a model for ocular ischemic syndrome in the rat. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 199-204.	1.0	43
85	An ultrastructural analysis of cellular death in the CA1 field in the rat hippocampus after transient forebrain ischemia followed by 2, 4 and 10Ådays of reperfusion. Anatomy and Embryology, 2006, 211, 423-434.	1.5	13
86	Effect of hypoxanthine on Na+,K+-ATPase activity and some parameters of oxidative stress in rat striatum. Brain Research, 2005, 1041, 198-204.	1.1	16
87	Chronic Hyperprolinemia Provokes a Memory Deficit in the Morris Water Maze Task. Metabolic Brain Disease, 2005, 20, 73-80.	1.4	25
88	Estradiol Protects Against Oxygen and Glucose Deprivation in Rat Hippocampal Organotypic Cultures and Activates Akt and Inactivates GSK-3?. Neurochemical Research, 2005, 30, 191-199.	1.6	47
89	Neuroprotection and Protein Damage Prevention by Estradiol Replacement in Rat Hippocampal Slices Exposed to Oxygen-Glucose Deprivation. Neurochemical Research, 2005, 30, 583-589.	1.6	13
90	Total antioxidant capacity is impaired in different structures from aged rat brain. International Journal of Developmental Neuroscience, 2005, 23, 663-671.	0.7	95

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91	Aging affects oxidative state in hippocampus, hypothalamus and adrenal glands of Wistar rats. Life Sciences, 2005, 78, 271-278.	2.0	94
92	Acute and repeated restraint stress influences cellular damage in rat hippocampal slices exposed to oxygen and glucose deprivation. Brain Research Bulletin, 2005, 65, 443-450.	1.4	34
93	Repeated stress effects on nociception and on ectonucleotidase activities in spinal cord synaptosomes of female rats. Physiology and Behavior, 2005, 85, 213-219.	1.0	11
94	Vitamins E and C pretreatment prevents ovariectomy-induced memory deficits in water maze. Neurobiology of Learning and Memory, 2005, 84, 192-199.	1.0	52
95	A simple and fast densitometric method for the analysis of tyrosine hydroxylase immunoreactivity in the substantia nigra pars compacta and in the ventral tegmental area. Brain Research Protocols, 2005, 16, 58-64.	1.7	157
96	Acute and chronic stress alter ecto-nucleotidase activities in synaptosomes from the rat hippocampus. Pharmacology Biochemistry and Behavior, 2004, 78, 341-347.	1.3	14
97	Tactile stimulation and maternal separation prevent hippocampal damage in rats submitted to neonatal hypoxia–ischemia. Brain Research, 2004, 1002, 94-99.	1.1	50
98	Age-related susceptibility to oxygen and glucose deprivation damage in rat hippocampal slices. Brain Research, 2004, 1025, 226-230.	1.1	31
99	Repeated Restraint Stress Alters Hippocampal Glutamate Uptake and Release in the Rat. Neurochemical Research, 2004, 29, 1703-1709.	1.6	62
100	Chronic hyperhomocysteinemia provokes a memory deficit in rats in the Morris water maze task. Behavioural Brain Research, 2004, 153, 377-381.	1.2	64
101	Taste modulation of nociception differently affects chronically stressed rats. Physiology and Behavior, 2004, 80, 557-561.	1.0	8
102	In vivo and in vitro effects of homocysteine on Na + ,K + â€ATPase activity in parietal, prefrontal and cingulate cortex of young rats. International Journal of Developmental Neuroscience, 2004, 22, 185-190.	0.7	35
103	Ketogenic diet increases glutathione peroxidase activity in rat hippocampus. Neurochemical Research, 2003, 28, 1793-1797.	1.6	120
104	Neonatal cerebral hypoxia–ischemia causes lateralized memory impairments in the adult rat. Brain Research, 2003, 973, 171-178.	1.1	96
105	Ascorbic acid prevents water maze behavioral deficits caused by early postnatal methylmalonic acid administration in the rat. Brain Research, 2003, 976, 234-242.	1.1	28
106	Ptychopetalum olacoides, a traditional Amazonian "nerve tonicâ€; possesses anticholinesterase activity. Pharmacology Biochemistry and Behavior, 2003, 75, 645-650.	1.3	56
107	Evaluation of the effect of chronic administration of drugs on rat behavior in the water maze task. Brain Research Protocols, 2003, 12, 109-115.	1.7	9
108	Perturbations in the thiol homeostasis following neonatal cerebral hypoxia-ischemia in rats. Neuroscience Letters, 2003, 345, 65-68.	1.0	13

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109	Agmatine induces anxiolysis in the elevated plus maze task in adult rats. Behavioural Brain Research, 2003, 141, 19-24.	1.2	74
110	Stress regulates the lymphocyte homing receptor CD62L (L-selectin). Arquivos De Neuro-Psiquiatria, 2003, 61, 20-24.	0.3	6
111	Ascorbic acid prevents cognitive deficits caused by chronic administration of propionic acid to rats in the water maze. Pharmacology Biochemistry and Behavior, 2002, 73, 623-629.	1.3	60
112	Arginine administration inhibits hippocampal Na+,K+-ATPase activity and impairs retention of an inhibitory avoidance task in rats. Brain Research, 2002, 951, 151-157.	1.1	56
113	Preconditioning prevents the inhibition of Na+,K+-ATPase activity after brain ischemia. Neurochemical Research, 2000, 25, 971-975.	1.6	138
114	Effects of neonatal cerebral hypoxia-ischemia on the in vitro phosphorylation of synapsin 1 in rat synaptosomes. Neurochemical Research, 1999, 24, 1263-1269.	1.6	12
115	Nucleotide hydrolysis in rats submitted to global cerebral ischemia: A possible link between preconditioning and adenosine production. Journal of Stroke and Cerebrovascular Diseases, 1998, 7, 281-286.	0.7	20
116	Foetal grafts from hippocampal regio superior alleviate ischaemic-induced behavioral deficits. Behavioural Brain Research, 1993, 58, 107-112.	1.2	25
117	Dual action of post-training naloxone on memory. Behavioral and Neural Biology, 1990, 53, 140-146.	2.3	15
118	Differential effect of posttraining naloxone, $\hat{l}^2$ -endorphin, leu-enkephalin and electroconvulsive shock administration upon memory of an open-field habituation and of a water-finding task. Psychoneuroendocrinology, 1986, 11, 437-446.	1.3	70
119	The brain $\hat{l}^2$ -endorphin system and behavior: The modulation of consecutively and simultaneously processed memories. Behavioral and Neural Biology, 1985, 44, 249-265.	2.3	31
120	Interaction between consecutive learnings: inhibitory avoidance and habituation. Behavioral and Neural Biology, 1985, 44, 515-520.	2.3	37