

Oscar A Bizzozero

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46
papers

1,232
citations

23
h-index

33
g-index

46
ext. papers

1,333
ext. citations

4.9
avg, IF

4.36
L-index

#	Paper	IF	Citations
46	Elevated protein carbonylation in the brain white matter and gray matter of patients with multiple sclerosis. <i>Journal of Neuroscience Research</i> , 2005 , 81, 687-95	4.4	96
45	Acute depletion of reduced glutathione causes extensive carbonylation of rat brain proteins. <i>Journal of Neuroscience Research</i> , 2006 , 83, 656-67	4.4	56
44	Fatty acid composition of human myelin proteolipid protein in peroxisomal disorders. <i>Journal of Neurochemistry</i> , 1991 , 56, 872-8	6	52
43	Intracellular glutathione mediates the denitrosylation of protein nitrosothiols in the rat spinal cord. <i>Journal of Neuroscience Research</i> , 2009 , 87, 701-9	4.4	49
42	Cytoskeletal protein carbonylation and degradation in experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2008 , 105, 763-72	6	49
41	Accumulation of protein carbonyls within cerebellar astrocytes in murine experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience Research</i> , 2010 , 88, 3376-85	4.4	47
40	Chemical analysis of acylation sites and species. <i>Methods in Enzymology</i> , 1995 , 250, 361-79	1.7	44
39	Increased carbonylation, protein aggregation and apoptosis in the spinal cord of mice with experimental autoimmune encephalomyelitis. <i>ASN Neuro</i> , 2013 , 5, e00111	5.3	43
38	Structural determinants influencing the reaction of cysteine-containing peptides with palmitoyl-coenzyme A and other thioesters. <i>BBA - Proteins and Proteomics</i> , 2001 , 1545, 278-88		41
37	Reduced expression of the ferroptosis inhibitor glutathione peroxidase-4 in multiple sclerosis and experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2019 , 148, 426-439	6	41
36	Fatty acid acylation of rat brain myelin proteolipid protein in vitro: identification of the lipid donor. <i>Journal of Neurochemistry</i> , 1986 , 46, 630-6	6	40
35	Myelin P0 glycoprotein and a synthetic peptide containing the palmitoylation site are both autoacylated. <i>Journal of Neurochemistry</i> , 1995 , 65, 1805-15	6	37
34	Evidence of nitrosative damage in the brain white matter of patients with multiple sclerosis. <i>Neurochemical Research</i> , 2005 , 30, 139-49	4.6	35
33	Overview: protein palmitoylation in the nervous system: current views and unsolved problems. <i>Neurochemical Research</i> , 1994 , 19, 923-33	4.6	35
32	Nrf2-dysregulation correlates with reduced synthesis and low glutathione levels in experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2016 , 139, 640-650	6	33
31	Protein carbonylation and aggregation precede neuronal apoptosis induced by partial glutathione depletion. <i>ASN Neuro</i> , 2012 , 4,	5.3	33
30	Identification of the palmitoylation site in rat myelin P0 glycoprotein. <i>Journal of Neurochemistry</i> , 1994 , 62, 1163-71	6	33

29	Chemical deacylation reduces the adhesive properties of proteolipid protein and leads to decompaction of the myelin sheath. <i>Journal of Neurochemistry</i> , 2001 , 76, 1129-41	6	33
28	Presence of the plasma membrane proteolipid (plasmolipin) in myelin. <i>Journal of Neurochemistry</i> , 1990 , 55, 602-10	6	30
27	Lipid peroxidation scavengers prevent the carbonylation of cytoskeletal brain proteins induced by glutathione depletion. <i>Neurochemical Research</i> , 2007 , 32, 2114-22	4.6	28
26	Traditional reactive carbonyl scavengers do not prevent the carbonylation of brain proteins induced by acute glutathione depletion. <i>Free Radical Research</i> , 2010 , 44, 258-66	4	26
25	Decreased activity of the 20S proteasome in the brain white matter and gray matter of patients with multiple sclerosis. <i>Journal of Neurochemistry</i> , 2011 , 117, 143-53	6	25
24	Spectroscopic analysis of acylated and deacylated myelin proteolipid protein. <i>Biochemistry</i> , 1986 , 25, 6762-8	3.2	25
23	Acylation of rat brain myelin proteolipid protein with different fatty acids. <i>Journal of Neurochemistry</i> , 1986 , 47, 772-8	6	23
22	Exposure of rat optic nerves to nitric oxide causes protein S-nitrosation and myelin decompaction. <i>Neurochemical Research</i> , 2004 , 29, 1675-85	4.6	22
21	Cysteine-108 is an acylation site in myelin proteolipid protein. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 170, 375-82	3.4	21
20	Changes in 20S subunit composition are largely responsible for altered proteasomal activities in experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2012 , 121, 486-94	6	19
19	Effect of ATP depletion on the palmitoylation of myelin proteolipid protein in young and adult rats. <i>Journal of Neurochemistry</i> , 1999 , 72, 2610-6	6	19
18	Identification of major S-nitrosylated proteins in murine experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience Research</i> , 2009 , 87, 2881-9	4.4	18
17	Mass-spectrometric analysis of myelin proteolipids reveals new features of this family of palmitoylated membrane proteins. <i>Journal of Neurochemistry</i> , 2002 , 81, 636-45	6	18
16	Myelin proteolipid protein contains thioester-linked fatty acids. <i>Journal of Neurochemistry</i> , 1990 , 55, 1986-92	6	18
15	Reduced proteasomal activity contributes to the accumulation of carbonylated proteins in chronic experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2010 , 115, 1556-67	6	17
14	Effect of 2-fluoropalmitate, cerulenin and tunicamycin on the palmitoylation and intracellular translocation of myelin proteolipid protein. <i>Neurochemical Research</i> , 2002 , 27, 1669-75	4.6	17
13	Separation of the major proteins of central and peripheral nervous system myelin using reversed-phase high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1989 , 180, 59-65	3.1	16
12	Protein fatty acid acylation in developing cortical neurons. <i>Journal of Neurochemistry</i> , 1989 , 52, 1149-55	6	16

11	Extracellular S-nitrosoglutathione, but not S-nitrosocysteine or N(2)O(3), mediates protein S-nitrosation in rat spinal cord slices. <i>Journal of Neurochemistry</i> , 2006 , 99, 1299-310	6	14
10	Palmitoylation of proteolipid protein from rat brain myelin using endogenously generated 18O-fatty acids. <i>Journal of Biological Chemistry</i> , 1998 , 273, 279-85	5.4	14
9	Conserved fatty acid composition of proteolipid protein during brain development and in myelin subfractions. <i>Neurochemical Research</i> , 2000 , 25, 449-55	4.6	11
8	Fatty acid composition of myelin proteolipid protein during vertebrate evolution. <i>Neurochemical Research</i> , 1999 , 24, 269-74	4.6	10
7	Nitric oxide reduces the palmitoylation of rat myelin proteolipid protein by an indirect mechanism. <i>Neurochemical Research</i> , 2001 , 26, 1127-37	4.6	8
6	Veratridine-induced depolarization reduces the palmitoylation of brain and myelin glycerolipids. <i>Journal of Neurochemistry</i> , 1998 , 70, 1448-57	6	7
5	Myelin proteolipid protein-induced aggregation of lipid vesicles: efficacy of the various molecular species. <i>Neurochemical Research</i> , 2002 , 27, 1269-77	4.6	5
4	Mechanism of Protein Carbonylation in Glutathione-Depleted Rat Brain Slices. <i>Neurochemical Research</i> , 2018 , 43, 609-618	4.6	3
3	Proteasome Composition in Cytokine-Treated Neurons and Astrocytes is Determined Mainly by Subunit Displacement. <i>Neurochemical Research</i> , 2020 , 45, 860-871	4.6	2
2	The Role of Calpain and Proteasomes in the Degradation of Carbonylated Neuronal Cytoskeletal Proteins in Acute Experimental Autoimmune Encephalomyelitis. <i>Neurochemical Research</i> , 2018 , 43, 2277-2287	4.6	2
1	Decreased levels of constitutive proteasomes in experimental autoimmune encephalomyelitis may be caused by a combination of subunit displacement and reduced Nfe2l1 expression. <i>Journal of Neurochemistry</i> , 2020 , 152, 585-601	6	1