

Luis V Portela

List of Publications by Year in descending order

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108
papers

3,491
citations

136950

32
h-index

161849

54
g-index

110
all docs

110
docs citations

110
times ranked

5254
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreased Plasma Brain Derived Neurotrophic Factor Levels in Unmedicated Bipolar Patients During Manic Episode. <i>Biological Psychiatry</i> , 2007, 61, 142-144.	1.3	187
2	Serum levels of S100B and NSE proteins in Alzheimer's disease patients. <i>Journal of Neuroinflammation</i> , 2010, 7, 6.	7.2	158
3	Neuropsychiatric Evaluation in Subjects Chronically Exposed to Organophosphate Pesticides. <i>Toxicological Sciences</i> , 2003, 72, 267-271.	3.1	157
4	Neuron-Specific Enolase, S100B, and Glial Fibrillary Acidic Protein Levels as Outcome Predictors in Patients With Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2011, 68, 1624-1631.	1.1	157
5	Highly palatable diet consumption increases protein oxidation in rat frontal cortex and anxiety-like behavior. <i>Life Sciences</i> , 2007, 81, 198-203.	4.3	142
6	Increased serum S100B protein in schizophrenia: a study in medication-free patients. <i>Journal of Psychiatric Research</i> , 2001, 35, 11-14.	3.1	137
7	Lithium increases plasma brain-derived neurotrophic factor in acute bipolar mania: A preliminary 4-week study. <i>Neuroscience Letters</i> , 2011, 494, 54-56.	2.1	125
8	Increase in Serum S100B Protein Level After a Swimming Race. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003, 28, 710-716.	1.7	81
9	Interleukin-6 Serum Levels in Patients with Parkinson's Disease. <i>Neurochemical Research</i> , 2009, 34, 1401-1404.	3.3	75
10	Exercise affects glutamate receptors in postsynaptic densities from cortical mice brain. <i>Brain Research</i> , 2005, 1065, 20-25.	2.2	73
11	Cocaine abuse and effects in the serum levels of cytokines IL-6 and IL-10. <i>Drug and Alcohol Dependence</i> , 2016, 158, 181-185.	3.2	72
12	Enriched environment effects on behavior, memory and BDNF in low and high exploratory mice. <i>Physiology and Behavior</i> , 2011, 102, 475-480.	2.1	67
13	Reduced brain insulin-like growth factor I function during aging. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 9-12.	2.2	67
14	Exercise increases insulin signaling in the hippocampus: Physiological effects and pharmacological impact of intracerebroventricular insulin administration in mice. <i>Hippocampus</i> , 2011, 21, 1082-1092.	1.9	66
15	Decreased S100-beta protein in schizophrenia: preliminary evidence. <i>Schizophrenia Research</i> , 2000, 43, 91-95.	2.0	57
16	Effects of chronic administered guanosine on behavioral parameters and brain glutamate uptake in rats. <i>Journal of Neuroscience Research</i> , 2005, 79, 248-253.	2.9	52
17	S100B protein and neuron-specific enolase as predictors of cognitive dysfunction after coronary artery bypass graft surgery. <i>European Journal of Anaesthesiology</i> , 2016, 33, 681-689.	1.7	50
18	Effects of Single Low Dose of Dexamethasone before Noncardiac and Nonneurologic Surgery and General Anesthesia on Postoperative Cognitive Dysfunction—A Phase III Double Blind, Randomized Clinical Trial. <i>PLoS ONE</i> , 2016, 11, e0152308.	2.5	50

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19	Peripheral Oxidative Stress Biomarkers in Spinocerebellar Ataxia Type 3/Machado-Joseph Disease. <i>Frontiers in Neurology</i> , 2017, 8, 485.	2.4	47
20	Developmental changes in S100B content in brain tissue, cerebrospinal fluid, and astrocyte cultures of rats. <i>Cellular and Molecular Neurobiology</i> , 2002, 22, 373-378.	3.3	45
21	The Potential Therapeutic Effect of Guanosine after Cortical Focal Ischemia in Rats. <i>PLoS ONE</i> , 2014, 9, e90693.	2.5	45
22	Interleukin-6 and Interleukin-10 in mood disorders: A population-based study. <i>Psychiatry Research</i> , 2019, 273, 685-689.	3.3	44
23	Detoxification of Ammonia in Mouse Cortical GABAergic Cell Cultures Increases Neuronal Oxidative Metabolism and Reveals an Emerging Role for Release of Glucose-Derived Alanine. <i>Neurotoxicity Research</i> , 2011, 19, 496-510.	2.7	43
24	Brain-Derived Neurotrophic Factor in Post-Partum Depressive Mothers. <i>Neurochemical Research</i> , 2012, 37, 583-587.	3.3	43
25	Elevated glutamate and lactate predict brain death after severe head trauma. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 392-402.	3.7	43
26	Serum levels of interleukins IL-6 and IL-10 in individuals with posttraumatic stress disorder in a population-based sample. <i>Psychiatry Research</i> , 2018, 260, 111-115.	3.3	39
27	Testosterone Administration after Traumatic Brain Injury Reduces Mitochondrial Dysfunction and Neurodegeneration. <i>Journal of Neurotrauma</i> , 2019, 36, 2246-2259.	3.4	39
28	Digitonin-permeabilization of astrocytes in culture monitored by trypan blue exclusion and loss of S100B by ELISA. <i>Brain Research Protocols</i> , 2000, 6, 86-90.	1.6	38
29	Brain Insulin Administration Triggers Distinct Cognitive and Neurotrophic Responses in Young and Aged Rats. <i>Molecular Neurobiology</i> , 2016, 53, 5807-5817.	4.0	38
30	Synthesis of neurotransmitter GABA via the neuronal tricarboxylic acid cycle is elevated in rats with liver cirrhosis consistent with a high GABAergic tone in chronic hepatic encephalopathy. <i>Journal of Neurochemistry</i> , 2011, 117, 824-832.	3.9	37
31	Brain-Derived Neurotrophic Factor Levels in Women with Postpartum Affective Disorder and Suicidality. <i>Neurochemical Research</i> , 2012, 37, 2229-2234.	3.3	36
32	S100B and NSE serum levels in obstructive sleep apnea syndrome. <i>Sleep Medicine</i> , 2006, 7, 431-435.	1.6	35
33	Serum insulin-like system alterations in patients with spinocerebellar ataxia type 3. <i>Movement Disorders</i> , 2011, 26, 731-735.	3.9	35
34	Biochemical brain markers and purinergic parameters in rat CSF after seizure induced by pentylenetetrazol. <i>Brain Research Bulletin</i> , 2004, 64, 237-242.	3.0	34
35	Antioxidant effects of JM-20 on rat brain mitochondria and synaptosomes: Mitoprotection against Ca ²⁺ -induced mitochondrial impairment. <i>Brain Research Bulletin</i> , 2014, 109, 68-76.	3.0	33
36	Serum S100B level increases after running but not cycling exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 340-344.	1.9	32

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37	Impairment of the Organization of Locomotor and Exploratory Behaviors in Bile Duct-Ligated Rats. PLoS ONE, 2012, 7, e36322.	2.5	31
38	Increased cerebrospinal fluid levels of S100B protein in rat model of mania induced by ouabain. Life Sciences, 2004, 76, 805-811.	4.3	30
39	Western Style Diet Impairs Entrance of Blood-Borne Insulin-like Growth Factor-1 into the Brain. NeuroMolecular Medicine, 2007, 9, 324-330.	3.4	30
40	Childhood trauma and increased peripheral cytokines in young adults with major depressive: Population-based study. Journal of Neuroimmunology, 2018, 319, 112-116.	2.3	30
41	Insulin prevents mitochondrial generation of H2O2 in rat brain. Experimental Neurology, 2013, 247, 66-72.	4.1	28
42	Changes in S100B cerebrospinal fluid levels of rats subjected to predator stress. Brain Research, 2004, 1028, 213-218.	2.2	27
43	Guanosine Prevents Thermal Hyperalgesia in a Rat Model of Peripheral Mononeuropathy. Journal of Pain, 2010, 11, 131-141.	1.4	27
44	Cytokines in Machado Joseph Disease/Spinocerebellar Ataxia 3. Cerebellum, 2016, 15, 518-525.	2.5	27
45	Ketogenic diet fed rats have low levels of S100B in cerebrospinal fluid. Neuroscience Research, 2004, 50, 375-379.	1.9	26
46	Nandrolone-induced aggressive behavior is associated with alterations in extracellular glutamate homeostasis in mice. Hormones and Behavior, 2014, 66, 383-392.	2.1	26
47	Mood disorder, anxiety, and suicide risk among subjects with alcohol abuse and/or dependence: a population-based study. Revista Brasileira De Psiquiatria, 2018, 40, 1-5.	1.7	25
48	Pretreatment with Memantine Prevents Alzheimer-Like Alterations Induced by Intrahippocampal Okadaic Acid Administration in Rats. Current Alzheimer Research, 2012, 9, 1182-1190.	1.4	24
49	Neurological impairment among heterozygote women for X-linked Adrenoleukodystrophy: a case control study on a clinical, neurophysiological and biochemical characteristics. Orphanet Journal of Rare Diseases, 2014, 9, 6.	2.7	24
50	Serum S100B levels in patients with HTLV-1-associated myelopathy/tropical spastic paraparesis. Neurology, 2000, 54, 2021-2022.	1.1	23
51	Pentylenetetrazol kindling alters adenine and guanine nucleotide catabolism in rat hippocampal slices and cerebrospinal fluid. Epilepsy Research, 2007, 75, 104-111.	1.6	23
52	S100B content and SOD activity in amniotic fluid of pregnancies with Down syndrome. Clinical Biochemistry, 2004, 37, 134-137.	1.9	22
53	Ontogenetic changes in serum S100B in Down syndrome patients. Clinical Biochemistry, 2005, 38, 433-435.	1.9	22
54	Different Effect of High Fat Diet and Physical Exercise in the Hippocampal Signaling. Neurochemical Research, 2008, 33, 880-885.	3.3	22

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55	Atorvastatin-induced osteoclast inhibition reduces orthodontic relapse. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2017, 151, 528-538.	1.7	22
56	Treadmill running frequency on anxiety and hippocampal adenosine receptors density in adult and middle-aged rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 36, 198-204.	4.8	21
57	Insulin activates microglia and increases COX-2/IL-1 β expression in young but not in aged hippocampus. <i>Brain Research</i> , 2020, 1741, 146884.	2.2	21
58	Methylmercury increases S100B content in rat cerebrospinal fluid. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 249-253.	4.0	19
59	Prevalence of depression symptoms and serum levels of interleukin-6 in hemodialysis patients. <i>Psychiatry and Clinical Neurosciences</i> , 2014, 68, 275-282.	1.8	19
60	Physical Exercise Exacerbates Memory Deficits Induced by Intracerebroventricular STZ but Improves Insulin Regulation of H ₂ O ₂ Production in Mice Synaptosomes. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 889-898.	2.6	18
61	Serum NGF, BDNF and IL-6 Levels in Postpartum Mothers As Predictors of Infant Development: The Influence of Affective Disorders. <i>PLoS ONE</i> , 2014, 9, e94581.	2.5	18
62	Increased Serum Neurotrophin Levels Related to Alcohol Use Disorder in a Young Population Sample. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 30-35.	2.4	18
63	Metabolic and behavioral effects of chronic olanzapine treatment and cafeteria diet in rats. <i>Behavioural Pharmacology</i> , 2010, 21, 668-675.	1.7	16
64	Long-term NMDAR antagonism correlates reduced astrocytic glutamate uptake with anxiety-like phenotype. <i>Frontiers in Cellular Neuroscience</i> , 2015, 09, 219.	3.7	16
65	Methotrexate induces seizure and decreases glutamate uptake in brain slices: Prevention by ionotropic glutamate receptors antagonists and adenosine. <i>Life Sciences</i> , 2006, 80, 1-8.	4.3	15
66	Serum Biomarkers and Clinical Outcomes in Traumatic Spinal Cord Injury: Prospective Cohort Study. <i>World Neurosurgery</i> , 2019, 122, e1028-e1036.	1.3	15
67	Peripheral nucleotide hydrolysis in rats submitted to a model of electroconvulsive therapy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 1829-1833.	4.8	13
68	Serum S100B in pregnancy complicated by preeclampsia: A case-control study. <i>Pregnancy Hypertension</i> , 2012, 2, 101-105.	1.4	13
69	Intracerebroventricular Metformin Decreases Body Weight But Has Pro-oxidant Effects and Decreases Survival. <i>Neurochemical Research</i> , 2015, 40, 514-523.	3.3	13
70	Serum brain-derived neurotrophic factor levels in subjects with major depressive disorder with previous suicide attempt: A population-based study. <i>Psychiatry Research</i> , 2018, 262, 500-504.	3.3	13
71	Long-term cyclosporine treatment: Evaluation of serum biochemical parameters and histopathological alterations in Wistar rats. <i>Experimental and Toxicologic Pathology</i> , 2011, 63, 119-123.	2.1	12
72	High saturated fat and low carbohydrate diet decreases lifespan independent of body weight in mice. <i>Longevity & Healthspan</i> , 2013, 2, 10.	6.7	12

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73	Regulation of leukocyte tricarboxylic acid cycle in drug-naïve Bipolar Disorder. <i>Neuroscience Letters</i> , 2015, 605, 65-68.	2.1	12
74	Caffeine and adenosine A2A receptors rescue neuronal development in vitro of frontal cortical neurons in a rat model of attention deficit and hyperactivity disorder. <i>Neuropharmacology</i> , 2020, 166, 107782.	4.1	12
75	The ischemic heart as an extracerebral source for S100B. <i>Resuscitation</i> , 2009, 80, 144.	3.0	11
76	Mechanisms involved in the antinociception induced by spinal administration of inosine or guanine in mice. <i>European Journal of Pharmacology</i> , 2016, 772, 71-82.	3.5	11
77	Sustained elevation of cerebrospinal fluid glucose and lactate after a single seizure does not parallel with mitochondria energy production. <i>Epilepsy Research</i> , 2019, 152, 35-41.	1.6	11
78	Changes in purines concentration in the cerebrospinal fluid of patients experiencing pain: A case-control study. <i>Neuroscience Letters</i> , 2010, 474, 69-73.	2.1	10
79	Long-Term Oral Administration of Capsicum baccatum Extracts Does Not Alter Behavioral, Hematological, and Metabolic Parameters in CF1 Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-9.	1.2	10
80	Progression rate of myelopathy in X-linked adrenoleukodystrophy heterozygotes. <i>Metabolic Brain Disease</i> , 2015, 30, 1279-1284.	2.9	10
81	Cell Index in the Diagnosis of External Ventricular Drain-Related Infections. <i>World Neurosurgery</i> , 2017, 106, 504-508.	1.3	10
82	Hyperpalatable Diet and Physical Exercise Modulate the Expression of the Glial Monocarboxylate Transporters MCT1 and 4. <i>Molecular Neurobiology</i> , 2017, 54, 5807-5814.	4.0	10
83	Serum S100B levels in patients with neural tube defects. <i>Clinica Chimica Acta</i> , 2006, 364, 275-278.	1.1	9
84	Long-term cyclosporine treatment in non-transplanted rats and metabolic risk factors of vascular diseases. <i>Chemico-Biological Interactions</i> , 2010, 185, 53-58.	4.0	9
85	Inhibition of Protein Phosphatase 2A: Focus on the Glutamatergic System. <i>Molecular Neurobiology</i> , 2016, 53, 3753-3755.	4.0	9
86	Serum GDNF levels and anxiety disorders in a population-based study of young adults. <i>Clinica Chimica Acta</i> , 2018, 485, 21-25.	1.1	9
87	Anabolic-androgen steroids effects on bioenergetics responsiveness of synaptic and extrasynaptic mitochondria. <i>Toxicology Letters</i> , 2019, 307, 72-80.	0.8	9
88	Changes in Purines Concentration in the Cerebrospinal Fluid of Pregnant Women Experiencing Pain During Active Labor. <i>Neurochemical Research</i> , 2015, 40, 2262-2269.	3.3	8
89	Memantine mediates astrocytic activity in response to excitotoxicity induced by PP2A inhibition. <i>Neuroscience Letters</i> , 2019, 696, 179-183.	2.1	8
90	Specificity and sensitivity of S100B levels in amniotic fluid for Down syndrome diagnosis. <i>Life Sciences</i> , 2004, 76, 379-384.	4.3	7

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91	Glutamate transporter-1 link astrocytes with heightened aggressive behavior induced by steroid abuse in male CF1 mice. <i>Hormones and Behavior</i> , 2021, 127, 104872.	2.1	7
92	Intermittent fasting promotes anxiolytic-like effects unrelated to synaptic mitochondrial function and BDNF support. <i>Behavioural Brain Research</i> , 2021, 404, 113163.	2.2	7
93	Prior Exercise Training Prevent Hyperglycemia in STZ Mice by Increasing Hepatic Glycogen and Mitochondrial Function on Skeletal Muscle. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 678-685.	2.6	6
94	S100B protein and neuron-specific enolase as predictors of postoperative cognitive dysfunction in aged dogs: a case-control study. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 740-747.	0.6	6
95	Temperament traits moderate the relationship between Childhood Trauma and Interleukin 1 β profile in young adults. <i>Psychoneuroendocrinology</i> , 2020, 116, 104671.	2.7	6
96	Serum S100B Protein: What Does It Mean During Exercise?. <i>Clinical Journal of Sport Medicine</i> , 2004, 14, 368.	1.8	5
97	Chronic treatment with cyclosporine affects systemic purinergic parameters, homocysteine levels and vascular disturbances in rats. <i>Chemico-Biological Interactions</i> , 2010, 188, 15-20.	4.0	5
98	Distinctive effects of unpredictable subchronic stress on memory, serum corticosterone and hippocampal BDNF levels in high and low exploratory mice. <i>Behavioural Brain Research</i> , 2011, 218, 80-86.	2.2	5
99	High Phosphate Serum Levels Correlate With the Severity of Experimental Severe Acute Pancreatitis. <i>Pancreas</i> , 2015, 44, 619-625.	1.1	5
100	Gender differences of cannabis smoking on serum leptin levels: population-based study. <i>Revista Brasileira De Psiquiatria</i> , 2018, 40, 216-219.	1.7	5
101	Mortality of septic shock patients is associated with impaired mitochondrial oxidative coupling efficiency in lymphocytes: a prospective cohort study. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 39.	1.9	5
102	Anabolic-androgenic steroids impair mitochondrial function and redox status in the heart and liver of mice. <i>Steroids</i> , 2021, 172, 108861.	1.8	5
103	Cerebrospinal fluid purinomics as a biomarker approach to predict outcome after severe traumatic brain injury. <i>Journal of Neurochemistry</i> , 2022, 161, 173-186.	3.9	5
104	Antibiotic therapy does not alter mitochondrial bioenergetics in lymphocytes of patients with septic shock – A prospective cohort study. <i>Mitochondrion</i> , 2022, 66, 7-12.	3.4	2
105	BDNF Levels According to Variations in the CACNA1C Gene: Sex-Based Disparity. <i>Cellular and Molecular Neurobiology</i> , 2022, , 1.	3.3	1
106	Nandrolone Supplementation Promotes AMPK Activation and Divergent 18[FDG] PET Brain Connectivity in Adult and Aged Mice. <i>Neurochemical Research</i> , 2022, 47, 2032-2042.	3.3	1
107	Association Between Hyperlactatemia, Perfusional Parameters and Lymphocyte Mitochondrial Dysfunction in Septic Shock Patients. <i>Shock</i> , 2021, Publish Ahead of Print, .	2.1	0
108	Testosterone: Features and role in treating traumatic brain injury. , 2022, , 317-324.		0