

Leder Leal Xavier

List of Publications by Year in descending order

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91
papers

2,071
citations

218677

26
h-index

276875

41
g-index

94
all docs

94
docs citations

94
times ranked

3033
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Brain Research Protocols</i> , 2005, 16, 58-64.	1.6	157
2	Physical exercise increases GFAP expression and induces morphological changes in hippocampal astrocytes. <i>Brain Structure and Function</i> , 2014, 219, 293-302.	2.3	103
3	Endurance and Resistance Exercise Training Programs Elicit Specific Effects on Sciatic Nerve Regeneration After Experimental Traumatic Lesion in Rats. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 355-366.	2.9	97
4	Morphological changes in hippocampal astrocytes induced by environmental enrichment in mice. <i>Brain Research</i> , 2009, 1274, 47-54.	2.2	95
5	Hemispheric Brain Injury and Behavioral Deficits Induced by Severe Neonatal Hypoxia-Ischemia in Rats Are Not Attenuated by Intravenous Administration of Human Umbilical Cord Blood Cells. <i>Pediatric Research</i> , 2009, 65, 631-635.	2.3	81
6	Early handling, but not maternal separation, decreases emotional responses in two paradigms of fear without changes in mesolimbic dopamine. <i>Behavioural Brain Research</i> , 2006, 166, 241-246.	2.2	58
7	Effects of physical exercise on spatial memory and astroglial alterations in the hippocampus of diabetic rats. <i>Metabolic Brain Disease</i> , 2011, 26, 269-279.	2.9	56
8	New Therapy of Skin Repair Combining Adipose-Derived Mesenchymal Stem Cells with Sodium Carboxymethylcellulose Scaffold in a Pre-Clinical Rat Model. <i>PLoS ONE</i> , 2014, 9, e96241.	2.5	55
9	Prevention of seizures and reorganization of hippocampal functions by transplantation of bone marrow cells in the acute phase of experimental epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2010, 19, 84-92.	2.0	54
10	Evaluation of chronic omega-3 fatty acids supplementation on behavioral and neurochemical alterations in 6-hydroxydopamine-lesion model of Parkinson's disease. <i>Neuroscience Research</i> , 2010, 66, 256-264.	1.9	52
11	Tactile stimulation and maternal separation prevent hippocampal damage in rats submitted to neonatal hypoxia-ischemia. <i>Brain Research</i> , 2004, 1002, 94-99.	2.2	50
12	Respiratory muscle training improves hemodynamics, autonomic function, baroreceptor sensitivity, and respiratory mechanics in rats with heart failure. <i>Journal of Applied Physiology</i> , 2011, 111, 1664-1670.	2.5	45
13	Experimental Post-traumatic Stress Disorder Decreases Astrocyte Density and Changes Astrocytic Polarity in the CA1 Hippocampus of Male Rats. <i>Neurochemical Research</i> , 2016, 41, 892-904.	3.3	45
14	Glial fibrillary acidic protein immunodetection and immunoreactivity in the anterior and posterior medial amygdala of male and female rats. <i>Brain Research Bulletin</i> , 2002, 58, 67-75.	3.0	44
15	Influence of sex and estrous cycle, but not laterality, on the neuronal somatic volume of the posterodorsal medial amygdala of rats. <i>Neuroscience Letters</i> , 2006, 405, 153-158.	2.1	41
16	Low-level laser therapy improves the inflammatory profile of rats with heart failure. <i>Lasers in Medical Science</i> , 2013, 28, 1007-1016.	2.1	41
17	Behavior outcome after ischemic and hemorrhagic stroke, with similar brain damage, in rats. <i>Behavioural Brain Research</i> , 2013, 244, 82-89.	2.2	39
18	Gonadal hormone regulation of glial fibrillary acidic protein immunoreactivity in the medial amygdala subnuclei across the estrous cycle and in castrated and treated female rats. <i>Brain Research</i> , 2006, 1108, 117-126.	2.2	38

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19	A novel preclinical rodent model of collagenase-induced germinal matrix/intraventricular hemorrhage. <i>Brain Research</i> , 2010, 1356, 130-138.	2.2	38
20	Plastic changes induced by neonatal handling in the hypothalamus of female rats. <i>Brain Research</i> , 2007, 1170, 20-30.	2.2	36
21	Failure of estrogen to protect the substantia nigra pars compacta of female rats from lesion induced by 6-hydroxydopamine. <i>Brain Research</i> , 2003, 986, 200-205.	2.2	35
22	Physical training improves non-spatial memory, locomotor skills and the blood brain barrier in diabetic rats. <i>Brain Research</i> , 2015, 1618, 75-82.	2.2	35
23	Evaluation of Estrogen Neuroprotective Effect on Nigrostriatal Dopaminergic Neurons Following 6-Hydroxydopamine Injection into the Substantia Nigra Pars Compacta or the Medial Forebrain Bundle. <i>Neurochemical Research</i> , 2008, 33, 1238-1246.	3.3	31
24	Astrocyte morphology after ischemic and hemorrhagic experimental stroke has no influence on the different recovery patterns. <i>Behavioural Brain Research</i> , 2015, 278, 257-261.	2.2	31
25	Physical exercise reverses spatial memory deficit and induces hippocampal astrocyte plasticity in diabetic rats. <i>Brain Research</i> , 2017, 1655, 242-251.	2.2	31
26	Validation of cofilin-1 as a biomarker in non-small cell lung cancer: application of quantitative method in a retrospective cohort. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 1309-1316.	2.5	29
27	N-Acetylcysteine Prevents Spatial Memory Impairment Induced by Chronic Early Postnatal Glutamic Acid and Lipopolysaccharide in Rat Pups. <i>PLoS ONE</i> , 2013, 8, e78332.	2.5	27
28	Sulforaphane effects on postinfarction cardiac remodeling in rats: modulation of redox-sensitive prosurvival and proapoptotic proteins. <i>Journal of Nutritional Biochemistry</i> , 2016, 34, 106-117.	4.2	25
29	Lesion of the subthalamic nucleus reverses motor deficits but not death of nigrostriatal dopaminergic neurons in a rat 6-hydroxydopamine-lesion model of Parkinson's disease. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 85-95.	1.5	23
30	Cellular components of the human medial amygdaloid nucleus. <i>Journal of Comparative Neurology</i> , 2013, 521, 589-611.	1.6	22
31	The terrestrial Gastropoda <i>Megalobulimus abbreviatus</i> as a useful model for nociceptive experiments: effects of morphine and naloxone on thermal avoidance behavior. <i>Brazilian Journal of Medical and Biological Research</i> , 2005, 38, 73-80.	1.5	21
32	The role of calcium channel blockers and resveratrol in the prevention of paraquat-induced parkinsonism in <i>Drosophila melanogaster</i> : a locomotor analysis. <i>Invertebrate Neuroscience</i> , 2011, 11, 43-51.	1.8	21
33	Octyl gallate reduces ATP levels and Ki67 expression leading HepG2 cells to cell cycle arrest and mitochondria-mediated apoptosis. <i>Toxicology in Vitro</i> , 2018, 48, 11-25.	2.4	21
34	Treadmill training improves motor skills and increases tyrosine hydroxylase immunoreactivity in the substantia nigra pars compacta in diabetic rats. <i>Brain Research</i> , 2011, 1382, 173-180.	2.2	20
35	Morphological and mechanical changes induced by quercetin in human T24 bladder cancer cells. <i>Micron</i> , 2021, 151, 103152.	2.2	20
36	Histological Asymmetry of the Human Recurrent Laryngeal Nerve. <i>Journal of Voice</i> , 2011, 25, 8-14.	1.5	19

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37	Acetylcholinesterase inhibition in cognition-relevant brain areas of mice treated with a nootropic Amazonian herbal (Marapuama). <i>Phytomedicine</i> , 2010, 17, 956-962.	5.3	18
38	Plasma cytokines levels in aggressive and chronic periodontitis. <i>Acta Odontologica Scandinavica</i> , 2013, 71, 683-688.	1.6	18
39	Remodeling of the number and structure of dendritic spines in the medial amygdala: From prepubertal sexual dimorphism to puberty and effect of sexual experience in male rats. <i>European Journal of Neuroscience</i> , 2018, 48, 1851-1865.	2.6	18
40	An evaluation of aversive memory and hippocampal oxidative status in streptozotocin-induced diabetic rats treated with resveratrol. <i>Neuroscience Letters</i> , 2017, 636, 184-189.	2.1	17
41	SARS-CoV-2 mutations in Brazil: from genomics to putative clinical conditions. <i>Scientific Reports</i> , 2021, 11, 11998.	3.3	17
42	Physical exercise down-regulated locomotor side effects induced by haloperidol treatment in Wistar rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 104, 113-118.	2.9	16
43	Ketamine promotes increased freezing behavior in rats with experimental PTSD without changing brain glucose metabolism or BDNF. <i>Neuroscience Letters</i> , 2017, 658, 6-11.	2.1	16
44	Dual influences of early life stress induced by limited bedding on walking adaptability and Bdnf/TrkB and Drd1/Drd2 gene expression in different mouse brain regions. <i>Behavioural Brain Research</i> , 2019, 359, 66-72.	2.2	16
45	Distribution of glycogen phosphorylase and cytochrome oxidase in the central nervous system of the turtle <i>Trachemys dorbigni</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1999, 124, 113-122.	1.8	13
46	Thermographic evaluation of hind paw skin temperature and functional recovery of locomotion after sciatic nerve crush in rats. <i>Clinics</i> , 2011, 66, 1259-1266.	1.5	13
47	Effects of undernourishment, recurrent seizures and enriched environment during early life in hippocampal morphology. <i>International Journal of Developmental Neuroscience</i> , 2014, 33, 81-87.	1.6	13
48	Antidepressant Effects of Ketamine Are Not Related to 18F-FDG Metabolism or Tyrosine Hydroxylase Immunoreactivity in the Ventral Tegmental Area of Wistar Rats. <i>Neurochemical Research</i> , 2015, 40, 1153-1164.	3.3	13
49	Skeletal muscle electrical stimulation improves baroreflex sensitivity and heart rate variability in heart failure rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 193, 92-96.	2.8	13
50	Blockade of GluN2B-containing NMDA receptors reduces short-term brain damage induced by early-life status epilepticus. <i>NeuroToxicology</i> , 2019, 71, 138-149.	3.0	13
51	Neuronal somatic volume of posteroventral medial amygdala cells from males and across the estrous cycle of female rats. <i>Neuroscience Letters</i> , 2007, 420, 110-115.	2.1	12
52	Histological Organization is Similar in Human Vocal Muscle and Tongue – A Study of Muscles and Nerves. <i>Journal of Voice</i> , 2012, 26, 811.e19-811.e26.	1.5	12
53	Degree of myelination (g-ratio) of the human recurrent laryngeal nerve. <i>European Archives of Oto-Rhino-Laryngology</i> , 2014, 271, 1277-1281.	1.6	12
54	Sciatic nerve transection decrease substance P immunoreactivity in the lumbosacral spinal cord of the frog (<i>Rana catesbeiana</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 131, 807-814.	1.6	11

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55	Does Angiotensin II Peak in Response to SARS-CoV-2?. <i>Frontiers in Immunology</i> , 2020, 11, 577875.	4.8	11
56	Resveratrol prevents akinesia and restores neuronal tyrosine hydroxylase immunoreactivity in the substantia nigra pars compacta of diabetic rats. <i>Brain Research</i> , 2014, 1592, 101-112.	2.2	10
57	Glial fibrillary acidic protein levels are associated with global histone H4 acetylation after spinal cord injury in rats. <i>Neural Regeneration Research</i> , 2018, 13, 1945.	3.0	10
58	Morphology of Fetal Vocal Fold and Associated Structures. <i>Journal of Voice</i> , 2013, 27, 5-10.	1.5	9
59	Contagious depression: Automatic mimicry and the mirror neuron system - A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 134, 104509.	6.1	9
60	Neuromuscular electrical stimulation improves GLUT-4 and morphological characteristics of skeletal muscle in rats with heart failure. <i>Acta Physiologica</i> , 2011, 201, 265-273.	3.8	8
61	Effect of prior exercise training and myocardial infarction-induced heart failure on the neuronal and glial densities and the GFAP-immunoreactivity in the posterodorsal medial amygdala of rats. <i>Histology and Histopathology</i> , 2014, 29, 1423-35.	0.7	8
62	Substance P immunoreactivity in the lumbar spinal cord of the turtle <i>Trachemys dorbigni</i> following peripheral nerve injury. <i>Brazilian Journal of Medical and Biological Research</i> , 2003, 36, 515-520.	1.5	7
63	Serotonergic immunoreactivity in the pedal ganglia of the pulmonate snail <i>Megalobulimus abbreviatus</i> after thermal stimulus: A semi-quantitative analysis. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005, 141, 230-238.	1.8	7
64	Neuroprotective effect of ACTH on collagenase-induced peri-intraventricular hemorrhage in newborn male rats. <i>Scientific Reports</i> , 2020, 10, 17734.	3.3	7
65	Age-related tolerance to paraquat-induced parkinsonism in <i>Drosophila melanogaster</i> . <i>Toxicology Letters</i> , 2022, 361, 43-53.	0.8	7
66	Somatostatin-, calcitonin gene-related peptide, and β -aminobutyric acid-like immunoreactivity in the frog lumbosacral spinal cord: distribution and effects of sciatic nerve transection. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 138, 19-28.	1.6	6
67	NADPH-diaphorase activity in the nociceptive pathways of land snail <i>Megalobulimus abbreviatus</i> : the involvement of pedal ganglia. <i>Invertebrate Neuroscience</i> , 2009, 9, 155-165.	1.8	6
68	Biomechanical potential of the temporal muscle in brachyfacial and dolichofacial subjects: a study on dry mandibles. <i>Orthodontics and Craniofacial Research</i> , 2016, 19, 162-168.	2.8	6
69	The Foot Fault Scoring System to Assess Skilled Walking in Rodents: A Reliability Study. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 892010.	2.0	6
70	Sexual Dimorphism in the Human Vocal Fold Innervation. <i>Journal of Voice</i> , 2013, 27, 267-272.	1.5	5
71	Can an aversive, extinction-resistant memory trigger impairments in walking adaptability? An experimental study using adult rats. <i>Neuroscience Letters</i> , 2018, 665, 224-228.	2.1	5
72	Involvement of the Cholinergic Parameters and Glial Cells in Learning Delay Induced by Glutaric Acid: Protection by N-Acetylcysteine. <i>Molecular Neurobiology</i> , 2019, 56, 4945-4959.	4.0	5

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73	Two intrathecal transplants of bone marrow mononuclear cells produce motor improvement in an acute and severe model of spinal cord injury. <i>Coluna/ Columna</i> , 2013, 12, 274-277.	0.2	4
74	Sunitinib Improves Some Clinical Aspects and Reverts DMBA-Induced Hyperplasic Lesions in Hamster Buccal Pouch. <i>ISRN Otolaryngology</i> , 2014, 2014, 1-7.	0.9	4
75	Sexual Dimorphism in the Histologic Organization of the Muscle Fibers in Human Tongue. <i>Journal of Voice</i> , 2014, 28, 424-429.	1.5	4
76	Selective brain neuronal and glial losses without changes in GFAP immunoreactivity: Young versus mature adult Wistar rats. <i>Mechanisms of Ageing and Development</i> , 2019, 182, 111128.	4.6	4
77	Rat Adipose-Derived Stromal Cells (ADSCs) Increases the Glioblastoma Growth and Decreases the Animal Survival. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 1495-1509.	3.8	4
78	Sex differences in NADPH-diaphorase activity in the rat posterodorsal medial amygdala. <i>Brain Research</i> , 2009, 1305, 31-39.	2.2	3
79	Exercise alleviates hypoalgesia and increases the level of calcitonin gene-related peptide in the dorsal horn of the spinal cord of diabetic rats. <i>Clinics</i> , 2012, 67, 1087-1091.	1.5	3
80	Increases in dendritic spine density in BLA without metabolic changes in a rodent model of PTSD. <i>Brain Structure and Function</i> , 2019, 224, 2857-2870.	2.3	3
81	Human leukocyte antigen-G polymorphisms in periodontitis. <i>Acta Odontologica Scandinavica</i> , 2020, 78, 141-145.	1.6	3
82	Morphofunctional analysis of sciatic nerve and motor performance of rats after cryotherapy with liquid nitrogen. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 113, 319-326.	0.4	2
83	Morphologic Evaluation of the Fetal Recurrent Laryngeal Nerve and Motor Units in the Thyroarytenoid Muscle. <i>Journal of Voice</i> , 2013, 27, 668-673.	1.5	2
84	Effects of tannery wastewater exposure on adult <i>Drosophila melanogaster</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 26387-26395.	5.3	2
85	Octyl gallate induces hepatic steatosis in HepG2 cells through the regulation of SREBP-1c and PPAR-gamma gene expression. <i>EXCLI Journal</i> , 2020, 19, 962-971.	0.7	2
86	072 " (SIM0179) Enriched environment attenuates some neuronal and glial morphological changes induced by undernourishment and seizures during early life. <i>Epilepsy and Behavior</i> , 2014, 38, 213.	1.7	0
87	Similarities in the surface area/volume ratio in the fibers of the recurrent laryngeal nerve can explain the symmetry in the vocal fold mobility?. <i>Medical Hypotheses</i> , 2015, 85, 989-991.	1.5	0
88	Anisocoric pupil generated by azygos anterior cerebral artery: a case report. <i>Journal of Morphological Sciences</i> , 2017, 34, 016-018.	0.2	0
89	The Golden Ratio and Michelangelo's Influence in Gaspar Becerra's Flayed Man. <i>Journal of Morphological Sciences</i> , 0, 38, 57-61.	0.2	0
90	Relation Between the Conduction Velocity of Nerve Fibers, Microanatomical Parameters and the Divine Proportion ($\phi = 1.618$) - A new Paradigm. <i>FASEB Journal</i> , 2015, 29, 703.9.	0.5	0

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91	It is Time for More Research into Umbilical Cord Stem Cells as a Potential Treatment in Neurological Diseases. British Journal of Medicine and Medical Research, 2016, 18, 1-9.	0.2	0