Mark W Lopes

List of Publications by Year
in descending order

41 papers	1,053 citations	361413 20 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1529 citing authors

#	Article	IF	Citations
1	Manganese-exposed developing rats display motor deficits and striatal oxidative stress that are reversed by Trolox. Archives of Toxicology, 2013, 87, 1231-1244.	4.2	76
2	In Vivo Manganese Exposure Modulates Erk, Akt and Darpp-32 in the Striatum of Developing Rats, and Impairs Their Motor Function. PLoS ONE, 2012, 7, e33057.	2.5	75
3	Time-dependent modulation of AMPA receptor phosphorylation and mRNA expression of NMDA receptors and glial glutamate transporters in the rat hippocampus and cerebral cortex in a pilocarpine model of epilepsy. Experimental Brain Research, 2013, 226, 153-163.	1.5	72
4	Fluoxetine modulates hippocampal cell signaling pathways implicated in neuroplasticity in olfactory bulbectomized mice. Behavioural Brain Research, 2013, 237, 176-184.	2.2	56
5	Agmatine produces antidepressant-like effects by activating AMPA receptors and mTOR signaling. European Neuropsychopharmacology, 2016, 26, 959-971.	0.7	53
6	Neuroglial alterations in rats submitted to the okadaic acid-induced model of dementia. Behavioural Brain Research, 2012, 226, 420-427.	2.2	52
7	Involvement of PI3K/Akt Signaling Pathway and Its Downstream Intracellular Targets in the Antidepressant-Like Effect of Creatine. Molecular Neurobiology, 2016, 53, 2954-2968.	4.0	50
8	Developmental exposure to manganese induces lasting motor and cognitive impairment in rats. NeuroToxicology, 2015, 50, 28-37.	3.0	43
9	Time course evaluation of behavioral impairments in the pilocarpine model of epilepsy. Epilepsy and Behavior, 2016, 55, 92-100.	1.7	43
10	Agmatine enhances antidepressant potency of MK-801 and conventional antidepressants in mice. Pharmacology Biochemistry and Behavior, 2015, 130, 9-14.	2.9	35
11	Time-Dependent Modulation of Mitogen Activated Protein Kinases and AKT in Rat Hippocampus and Cortex in the Pilocarpine Model of Epilepsy. Neurochemical Research, 2012, 37, 1868-1878.	3.3	33
12	Sub-chronic agmatine treatment modulates hippocampal neuroplasticity and cell survival signaling pathways in mice. Journal of Psychiatric Research, 2014, 58, 137-146.	3.1	33
13	Region-specific alterations of AMPA receptor phosphorylation and signaling pathways in the pilocarpine model of epilepsy. Neurochemistry International, 2015, 87, 22-33.	3.8	33
14	Enhancement of memory consolidation by the histone deacetylase inhibitor sodium butyrate in aged rats. Neuroscience Letters, 2015, 594, 76-81.	2.1	28
15	Signaling pathways underlying the antidepressant-like effect of inosine in mice. Purinergic Signalling, 2017, 13, 203-214.	2.2	28
16	Differential Activation of Mitogen-Activated Protein Kinases, ERK 1/2, p38MAPK and JNK p54/p46 During Postnatal Development of Rat Hippocampus. Neurochemical Research, 2016, 41, 1160-1169.	3.3	27
17	Antidepressant-like action of the bark ethanolic extract from Tabebuia avellanedae in the olfactory bulbectomized mice. Journal of Ethnopharmacology, 2013, 145, 737-745.	4.1	26
18	Single administration of agmatine reverses the depressive-like behavior induced by corticosterone in mice: Comparison with ketamine and fluoxetine. Pharmacology Biochemistry and Behavior, 2018, 173, 44-50.	2.9	25

#	Article	IF	Citations
19	Involvement of PKA, PKC, CAMK-II and MEK1/2 in the acute antidepressant-like effect of creatine in mice. Pharmacological Reports, 2014, 66, 653-659.	3.3	24
20	ConBr, a Lectin from Canavalia brasiliensis Seeds, Protects Against Quinolinic Acid-Induced Seizures in Mice. Neurochemical Research, 2012, 37, 288-297.	3.3	22
21	Amygdala levels of the GluA1 subunit of glutamate receptors and its phosphorylation state at serine 845 in the anterior hippocampus are biomarkers of ictal fear but not anxiety. Molecular Psychiatry, 2020, 25, 655-665.	7.9	20
22	A single high dose of dexamethasone affects the phosphorylation state of glutamate AMPA receptors in the human limbic system. Translational Psychiatry, 2016, 6, e986-e986.	4.8	18
23	Glutamatergic system and mTOR-signaling pathway participate in the antidepressant-like effect of inosine in the tail suspension test. Journal of Neural Transmission, 2017, 124, 1227-1237.	2.8	18
24	New Probucol Analogues Inhibit Ferroptosis, Improve Mitochondrial Parameters, and Induce Glutathione Peroxidase in HT22 Cells. Molecular Neurobiology, 2020, 57, 3273-3290.	4.0	17
25	Sodium selenite protects from 3-nitropropionic acid-induced oxidative stress in cultured primary cortical neurons. Molecular Biology Reports, 2019, 46, 751-762.	2.3	16
26	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. Neurochemistry International, 2013, 62, 836-842.	3.8	15
27	The ERK phosphorylation levels in the amygdala predict anxiety symptoms in humans and MEK/ERK inhibition dissociates innate and learned defensive behaviors in rats. Molecular Psychiatry, 2021, 26, 7257-7269.	7.9	15
28	Glutathione in Chlorpyrifos-and Chlorpyrifos-Oxon-Induced Toxicity: a Comparative Study Focused on Non-cholinergic Toxicity in HT22 Cells. Neurotoxicity Research, 2020, 38, 603-610.	2.7	14
29	In VitroManganese Exposure Disrupts MAPK Signaling Pathways in Striatal and Hippocampal Slices from Immature Rats. BioMed Research International, 2013, 2013, 1-12.	1.9	13
30	Role of Phosphatidylinositol-3 Kinase Pathway in NMDA Preconditioning: Different Mechanisms for Seizures and Hippocampal Neuronal Degeneration Induced by Quinolinic Acid. Neurotoxicity Research, 2018, 34, 452-462.	2.7	12
31	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. Metallomics, 2016, 8, 597-604.	2.4	11
32	Knockdown of Carboxypeptidase A6 in Zebrafish Larvae Reduces Response to Seizure-Inducing Drugs and Causes Changes in the Level of mRNAs Encoding Signaling Molecules. PLoS ONE, 2016, 11, e0152905.	2.5	10
33	ConBr, a lectin from Canavalia brasiliensis seeds, modulates signaling pathways and increases BDNF expression probably via a glycosylated target. Journal of Molecular Recognition, 2014, 27, 746-754.	2.1	8
34	Mitochondrial Respiration Chain Enzymatic Activities in the Human Brain: Methodological Implications for Tissue Sampling and Storage. Neurochemical Research, 2016, 41, 880-891.	3.3	7
35	Lipopolysaccharide-InducedÂStriatal Nitrosative Stress and Impaired Social Recognition Memory Are Not Magnified by Paraquat Coexposure. Neurochemical Research, 2018, 43, 745-759.	3.3	7
36	Effects of perinatal exposure to n-3 polyunsaturated fatty acids and methylmercury on cerebellar and behavioral parameters in mice. Food and Chemical Toxicology, 2018, 120, 603-615.	3.6	6

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37	Neuropsychological functioning and brain energetics of drug resistant mesial temporal lobe epilepsy patients. Epilepsy Research, 2017, 138, 26-31.	1.6	4
38	Cadmium Neurotoxicity and Its Role in Brain Disorders. , 2012, , 751-766.		4
39	Mitochondrial respiratory chain complex enzyme activities of limbic structures and psychiatric diagnosis in temporal lobe epilepsy patients: Preliminary results. CNS Neuroscience and Therapeutics, 2017, 23, 700-702.	3.9	2
40	AMPAr GluA1 Phosphorylation at Serine 845 in Limbic System Is Associated with Cardiac Autonomic Tone. Molecular Neurobiology, 2021, 58, 1859-1870.	4.0	2
41	Effect of Manganese on Signaling Pathways. Issues in Toxicology, 2014, , 182-198.	0.1	0