

Mark W Lopes

List of Publications by Year in descending order

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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	AMPA α 1 Phosphorylation at Serine 845 in Limbic System Is Associated with Cardiac Autonomic Tone. <i>Molecular Neurobiology</i> , 2021, 58, 1859-1870.	4.0	2
2	The ERK phosphorylation levels in the amygdala predict anxiety symptoms in humans and MEK/ERK inhibition dissociates innate and learned defensive behaviors in rats. <i>Molecular Psychiatry</i> , 2021, 26, 7257-7269.	7.9	15
3	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. <i>Molecular Psychiatry</i> , 2020, 25, 655-665.	7.9	20
4	New Probucol Analogues Inhibit Ferroptosis, Improve Mitochondrial Parameters, and Induce Glutathione Peroxidase in HT22 Cells. <i>Molecular Neurobiology</i> , 2020, 57, 3273-3290.	4.0	17
5	Glutathione in Chlorpyrifos-and Chlorpyrifos-Oxon-Induced Toxicity: a Comparative Study Focused on Non-cholinergic Toxicity in HT22 Cells. <i>Neurotoxicity Research</i> , 2020, 38, 603-610.	2.7	14
6	Sodium selenite protects from 3-nitropropionic acid-induced oxidative stress in cultured primary cortical neurons. <i>Molecular Biology Reports</i> , 2019, 46, 751-762.	2.3	16
7	Role of Phosphatidylinositol-3 Kinase Pathway in NMDA Preconditioning: Different Mechanisms for Seizures and Hippocampal Neuronal Degeneration Induced by Quinolinic Acid. <i>Neurotoxicity Research</i> , 2018, 34, 452-462.	2.7	12
8	Lipopolysaccharide-Induced Striatal Nitrosative Stress and Impaired Social Recognition Memory Are Not Magnified by Paraquat Coexposure. <i>Neurochemical Research</i> , 2018, 43, 745-759.	3.3	7
9	Effects of perinatal exposure to n-3 polyunsaturated fatty acids and methylmercury on cerebellar and behavioral parameters in mice. <i>Food and Chemical Toxicology</i> , 2018, 120, 603-615.	3.6	6
10	Single administration of agmatine reverses the depressive-like behavior induced by corticosterone in mice: Comparison with ketamine and fluoxetine. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 173, 44-50.	2.9	25
11	Signaling pathways underlying the antidepressant-like effect of inosine in mice. <i>Purinergic Signalling</i> , 2017, 13, 203-214.	2.2	28
12	Neuropsychological functioning and brain energetics of drug resistant mesial temporal lobe epilepsy patients. <i>Epilepsy Research</i> , 2017, 138, 26-31.	1.6	4
13	Glutamatergic system and mTOR-signaling pathway participate in the antidepressant-like effect of inosine in the tail suspension test. <i>Journal of Neural Transmission</i> , 2017, 124, 1227-1237.	2.8	18
14	Mitochondrial respiratory chain complex enzyme activities of limbic structures and psychiatric diagnosis in temporal lobe epilepsy patients: Preliminary results. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 700-702.	3.9	2
15	A single high dose of dexamethasone affects the phosphorylation state of glutamate AMPA receptors in the human limbic system. <i>Translational Psychiatry</i> , 2016, 6, e986-e986.	4.8	18
16	Agmatine produces antidepressant-like effects by activating AMPA receptors and mTOR signaling. <i>European Neuropsychopharmacology</i> , 2016, 26, 959-971.	0.7	53
17	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. <i>Metallomics</i> , 2016, 8, 597-604.	2.4	11
18	Time course evaluation of behavioral impairments in the pilocarpine model of epilepsy. <i>Epilepsy and Behavior</i> , 2016, 55, 92-100.	1.7	43

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19	Differential Activation of Mitogen-Activated Protein Kinases, ERK 1/2, p38MAPK and JNK p54/p46 During Postnatal Development of Rat Hippocampus. <i>Neurochemical Research</i> , 2016, 41, 1160-1169.	3.3	27
20	Mitochondrial Respiration Chain Enzymatic Activities in the Human Brain: Methodological Implications for Tissue Sampling and Storage. <i>Neurochemical Research</i> , 2016, 41, 880-891.	3.3	7
21	Involvement of PI3K/Akt Signaling Pathway and Its Downstream Intracellular Targets in the Antidepressant-Like Effect of Creatine. <i>Molecular Neurobiology</i> , 2016, 53, 2954-2968.	4.0	50
22	Knockdown of Carboxypeptidase A6 in Zebrafish Larvae Reduces Response to Seizure-Inducing Drugs and Causes Changes in the Level of mRNAs Encoding Signaling Molecules. <i>PLoS ONE</i> , 2016, 11, e0152905.	2.5	10
23	Region-specific alterations of AMPA receptor phosphorylation and signaling pathways in the pilocarpine model of epilepsy. <i>Neurochemistry International</i> , 2015, 87, 22-33.	3.8	33
24	Agmatine enhances antidepressant potency of MK-801 and conventional antidepressants in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 130, 9-14.	2.9	35
25	Developmental exposure to manganese induces lasting motor and cognitive impairment in rats. <i>NeuroToxicology</i> , 2015, 50, 28-37.	3.0	43
26	Enhancement of memory consolidation by the histone deacetylase inhibitor sodium butyrate in aged rats. <i>Neuroscience Letters</i> , 2015, 594, 76-81.	2.1	28
27	Effect of Manganese on Signaling Pathways. <i>Issues in Toxicology</i> , 2014, , 182-198.	0.1	0
28	Involvement of PKA, PKC, CAMK-II and MEK1/2 in the acute antidepressant-like effect of creatine in mice. <i>Pharmacological Reports</i> , 2014, 66, 653-659.	3.3	24
29	ConBr, a lectin from <i>Canavalia brasiliensis</i> seeds, modulates signaling pathways and increases BDNF expression probably via a glycosylated target. <i>Journal of Molecular Recognition</i> , 2014, 27, 746-754.	2.1	8
30	Sub-chronic agmatine treatment modulates hippocampal neuroplasticity and cell survival signaling pathways in mice. <i>Journal of Psychiatric Research</i> , 2014, 58, 137-146.	3.1	33
31	Manganese-exposed developing rats display motor deficits and striatal oxidative stress that are reversed by Trolox. <i>Archives of Toxicology</i> , 2013, 87, 1231-1244.	4.2	76
32	Antidepressant-like action of the bark ethanolic extract from <i>Tabebuia avellanedae</i> in the olfactory bulbectomized mice. <i>Journal of Ethnopharmacology</i> , 2013, 145, 737-745.	4.1	26
33	Lectin from <i>Canavalia brasiliensis</i> (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. <i>Neurochemistry International</i> , 2013, 62, 836-842.	3.8	15
34	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. <i>Experimental Brain Research</i> , 2013, 226, 153-163.	1.5	72
35	Fluoxetine modulates hippocampal cell signaling pathways implicated in neuroplasticity in olfactory bulbectomized mice. <i>Behavioural Brain Research</i> , 2013, 237, 176-184.	2.2	56
36	<i>In Vitro</i> Manganese Exposure Disrupts MAPK Signaling Pathways in Striatal and Hippocampal Slices from Immature Rats. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	13

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37	Neuroglial alterations in rats submitted to the okadaic acid-induced model of dementia. Behavioural Brain Research, 2012, 226, 420-427.	2.2	52
38	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
39	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
40	ConBr, a Lectin from Canavalia brasiliensis Seeds, Protects Against Quinolinic Acid-Induced Seizures in Mice. Neurochemical Research, 2012, 37, 288-297.	3.3	22
41	Cadmium Neurotoxicity and Its Role in Brain Disorders. , 2012, , 751-766.		4