

Roberto Di Maio

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,845
citations

430874

18
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

3245
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Synuclein binds to TOM20 and inhibits mitochondrial protein import in Parkinson's disease. <i>Science Translational Medicine</i> , 2016, 8, 342ra78.	12.4	432
2	LRRK2 activation in idiopathic Parkinson's disease. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	363
3	Nongenomic glucocorticoid receptor action regulates gap junction intercellular communication and neural progenitor cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16657-16662.	7.1	102
4	Large-scale generation of human iPSC-derived neural stem cells/early neural progenitor cells and their neuronal differentiation. <i>Organogenesis</i> , 2014, 10, 365-377.	1.2	96
5	Pilocarpine alters NMDA receptor expression and function in hippocampal neurons: NADPH oxidase and ERK1/2 mechanisms. <i>Neurobiology of Disease</i> , 2011, 42, 482-495.	4.4	82
6	LRRK2 inhibition prevents endolysosomal deficits seen in human Parkinson's disease. <i>Neurobiology of Disease</i> , 2020, 134, 104626.	4.4	73
7	Cyclopentenone prostaglandin-induced unfolding and aggregation of the Parkinson disease-associated UCH-L1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6835-6840.	7.1	70
8	Single-Cell Redox Imaging Demonstrates a Distinctive Response of Dopaminergic Neurons to Oxidative Insults. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 855-871.	5.4	70
9	Human Induced Pluripotent Stem Cell-Derived Models to Investigate Human Cytomegalovirus Infection in Neural Cells. <i>PLoS ONE</i> , 2012, 7, e49700.	2.5	69
10	DJ-1 Expression Modulates Astrocyte-Mediated Protection Against Neuronal Oxidative Stress. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 507-511.	2.3	63
11	LRRK2 and idiopathic Parkinson's disease. <i>Trends in Neurosciences</i> , 2022, 45, 224-236.	8.6	53
12	Thiol oxidation and altered NR2B/NMDA receptor functions in in vitro and in vivo pilocarpine models: Implications for epileptogenesis. <i>Neurobiology of Disease</i> , 2013, 49, 87-98.	4.4	43
13	Behavioral, neurochemical, and pathologic alterations in bacterial artificial chromosome transgenic G2019S leucine-rich repeated kinase 2 rats. <i>Neurobiology of Aging</i> , 2015, 36, 505-518.	3.1	42
14	Post-status epilepticus treatment with the cannabinoid agonist WIN 55,212-2 prevents chronic epileptic hippocampal damage in rats. <i>Neurobiology of Disease</i> , 2015, 73, 356-365.	4.4	37
15	Generation of three-dimensional human neuronal cultures: application to modeling CNS viral infections. <i>Stem Cell Research and Therapy</i> , 2018, 9, 134.	5.5	36
16	Synergistic action of CB1 and 5-HT2B receptors in preventing pilocarpine-induced status epilepticus in rats. <i>Neurobiology of Disease</i> , 2019, 125, 135-145.	4.4	26
17	Î±-Synuclein amplifies cytoplasmic peroxide flux and oxidative stress provoked by mitochondrial inhibitors in CNS dopaminergic neurons in vivo. <i>Redox Biology</i> , 2020, 37, 101695.	9.0	26
18	Mouse ES cells overexpressing DNMT1 produce abnormal neurons with upregulated NMDA/NR1 subunit. <i>Differentiation</i> , 2011, 82, 9-17.	1.9	19

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19	Preferential modulation of the lateral habenula activity by serotoninâ€2A rather than â€2C receptors: Electrophysiological and neuroanatomical evidence. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 721-733.	3.9	19
20	Redox Sensitivity of Tyrosine Hydroxylase Activity and Expression in Dopaminergic Dysfunction. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 419-429.	1.4	19
21	NADPH oxidase 2 activity in Parkinson's disease. <i>Neurobiology of Disease</i> , 2022, 170, 105754.	4.4	18
22	Zn ²⁺ -induced Ca ²⁺ release via ryanodine receptors triggers calcineurinâ€dependent redistribution of cortical neuronal Kv2.1 K ⁺ channels. <i>Journal of Physiology</i> , 2016, 594, 2647-2659.	2.9	16
23	WIN 55,212-2 Reverted Pilocarpine-Induced Status Epilepticus Early Changes of the Interaction among 5-HT _{2C} /NMDA/CB ₁ Receptors in the Rat Hippocampus. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3296-3306.	3.5	15
24	Neuronal mechanisms of epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 29.	3.7	13
25	5-HT ₂ receptors-mediated modulation of voltage-gated K ⁺ channels and neurophysiopathological correlates. <i>Experimental Brain Research</i> , 2013, 230, 453-462.	1.5	12
26	Selective Fatty Acid Amide Hydrolase Inhibitors as Potential Novel Antiepileptic Agents. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1716-1736.	3.5	12
27	Transient muscarinic and glutamatergic stimulation of neural stem cells triggers acute and persistent changes in differentiation. <i>Neurobiology of Disease</i> , 2014, 70, 252-261.	4.4	10
28	Measurement of LRRK2 Kinase Activity by Proximity Ligation Assay. <i>Bio-protocol</i> , 2021, 11, e4140.	0.4	6
29	CCKâ€nitric oxide interaction in rat cortex, striatum and pallidum. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 135, 425-433.	2.6	1