

Matthew S Goldberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4872199/publications.pdf>

Version: 2024-02-01

47
papers

8,034
citations

186265
28
h-index

233421
45
g-index

47
all docs

47
docs citations

47
times ranked

9829
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Synuclein is phosphorylated in synucleinopathy lesions. <i>Nature Cell Biology</i> , 2002, 4, 160-164.	10.3	1,739
2	Neuroinflammation in Parkinson's disease: Its role in neuronal death and implications for therapeutic intervention. <i>Neurobiology of Disease</i> , 2010, 37, 510-518.	4.4	879
3	Mitochondrial Dysfunction and Oxidative Damage in parkin-deficient Mice. <i>Journal of Biological Chemistry</i> , 2004, 279, 18614-18622.	3.4	856
4	Parkin-deficient Mice Exhibit Nigrostriatal Deficits but Not Loss of Dopaminergic Neurons. <i>Journal of Biological Chemistry</i> , 2003, 278, 43628-43635.	3.4	784
5	Nigrostriatal Dopaminergic Deficits and Hypokinesia Caused by Inactivation of the Familial Parkinsonism-Linked Gene DJ-1. <i>Neuron</i> , 2005, 45, 489-496.	8.1	485
6	The solution structure of eglin c based on measurements of many NOEs and coupling constants and its comparison with X-ray structures. <i>Protein Science</i> , 1992, 1, 736-751.	7.6	411
7	Is there a cause-and-effect relationship between Î±-synuclein fibrillization and Parkinson's disease?. <i>Nature Cell Biology</i> , 2000, 2, E115-E119.	10.3	350
8	Î±-Synuclein occurs in lipid-rich high molecular weight complexes, binds fatty acids, and shows homology to the fatty acid-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9110-9115.	7.1	289
9	Parkin Deficiency Increases Vulnerability to Inflammation-Related Nigral Degeneration. <i>Journal of Neuroscience</i> , 2008, 28, 10825-10834.	3.6	240
10	Alternative Mitochondrial Electron Transfer as a Novel Strategy for Neuroprotection. <i>Journal of Biological Chemistry</i> , 2011, 286, 16504-16515.	3.4	212
11	Phenotypic characterization of recessive gene knockout rat models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 70, 190-203.	4.4	186
12	Transcriptional repression of p53 by parkin and impairment by mutations associated with autosomal recessive juvenile Parkinson's disease. <i>Nature Cell Biology</i> , 2009, 11, 1370-1375.	10.3	173
13	Parkin and PINK1 functions in oxidative stress and neurodegeneration. <i>Brain Research Bulletin</i> , 2017, 133, 51-59.	3.0	120
14	Specific Role of VTA Dopamine Neuronal Firing Rates and Morphology in the Reversal of Anxiety-Related, but not Depression-Related Behavior in the Clock ¹⁹ Mouse Model of Mania. <i>Neuropsychopharmacology</i> , 2011, 36, 1478-1488.	5.4	106
15	Lipopolysaccharide and Tumor Necrosis Factor Regulate Parkin Expression via Nuclear Factor-Kappa B. <i>PLoS ONE</i> , 2011, 6, e23660.	2.5	96
16	Native-like structure of a protein-folding intermediate bound to the chaperonin GroEL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 1080-1085.	7.1	94
17	Regulation of LRRK2 Stability by the E3 Ubiquitin Ligase CHIP. <i>PLoS ONE</i> , 2009, 4, e5949.	2.5	84
18	Parkin Protects against Mitochondrial Toxins and Î²-Amyloid Accumulation in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 12809-12816.	3.4	81

#	ARTICLE	IF	CITATIONS
19	The role of ventral striatal cAMP signaling in stress-induced behaviors. <i>Nature Neuroscience</i> , 2015, 18, 1094-1100.	14.8	80
20	Loss of function of DJ-1 triggered by Parkinson's disease-associated mutation is due to proteolytic resistance to caspase-6. <i>Cell Death and Differentiation</i> , 2010, 17, 158-169.	11.2	68
21	New Developments in Genetic rat models of Parkinson's Disease. <i>Movement Disorders</i> , 2018, 33, 717-729.	3.9	67
22	Number and Brightness Analysis of LRRK2 Oligomerization in Live Cells. <i>Biophysical Journal</i> , 2012, 102, L41-L43.	0.5	66
23	Parkin-Dependent Degradation of the F-Box Protein Fbw7 ^{Δ2} Promotes Neuronal Survival in Response to Oxidative Stress by Stabilizing Mcl-1. <i>Molecular and Cellular Biology</i> , 2013, 33, 3627-3643.	2.3	62
24	Increased DJ-1 expression under oxidative stress and in Alzheimer's disease brains. <i>Molecular Neurodegeneration</i> , 2009, 4, 12.	10.8	59
25	Attention-Deficit/Hyperactivity Phenotype in Mice Lacking the Cyclin-Dependent Kinase 5 Cofactor p35. <i>Biological Psychiatry</i> , 2010, 68, 1163-1171.	1.3	56
26	A mutation in CLOCK leads to altered dopamine receptor function. <i>Journal of Neurochemistry</i> , 2012, 123, 124-134.	3.9	45
27	Basal and Evoked Neurotransmitter Levels in Parkin, DJ-1, PINK1 and LRRK2 Knockout Rat Striatum. <i>Neuroscience</i> , 2019, 409, 169-179.	2.3	36
28	Transcriptional Activation of Low-Density Lipoprotein Receptor Gene by DJ-1 and Effect of DJ-1 on Cholesterol Homeostasis. <i>PLoS ONE</i> , 2012, 7, e38144.	2.5	35
29	Sensitive ELISA-based detection method for the mitophagy marker p-S65-Ub in human cells, autopsy brain, and blood samples. <i>Autophagy</i> , 2021, 17, 2613-2628.	9.1	29
30	PINK1 phosphorylates ubiquitin predominantly in astrocytes. <i>Npj Parkinson's Disease</i> , 2019, 5, 29.	5.3	28
31	Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. <i>Neuro-Oncology</i> , 2018, 20, 1055-1067.	1.2	27
32	Surprising behavioral and neurochemical enhancements in mice with combined mutations linked to Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 62, 113-123.	4.4	26
33	Precisely Control Mitochondria with Light to Manipulate Cell Fate Decision. <i>Biophysical Journal</i> , 2019, 117, 631-645.	0.5	23
34	Analysis of α -Synuclein Pathology in PINK1 Knockout Rat Brains. <i>Frontiers in Neuroscience</i> , 2018, 12, 1034.	2.8	22
35	Behavioral and Neurotransmitter Abnormalities in Mice Deficient for Parkin, DJ-1 and Superoxide Dismutase. <i>PLoS ONE</i> , 2013, 8, e84894.	2.5	20
36	Analysis of inflammation-related nigral degeneration and locomotor function in DJ-1 Δ^{Δ} mice. <i>Journal of Neuroinflammation</i> , 2013, 10, 50.	7.2	18

#	ARTICLE	IF	CITATIONS
37	Enhanced Susceptibility of PINK1 Knockout Rats to α -Synuclein Fibrils. <i>Neuroscience</i> , 2020, 437, 64-75.	2.3	15
38	Formalin Versus Bouin Solution for Testis Biopsies: Which Is the Better Fixative?. <i>BMC Clinical Pathology</i> , 2020, 13, 2632010X1989726.	1.7	14
39	NMR studies of structure and dynamics of isotope enriched proteins. <i>Biopolymers</i> , 1992, 32, 381-390.	2.4	12
40	Parkin-mediated ubiquitination regulates phospholipase C α 1. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3061-3068.	3.6	11
41	Fbxl18 targets LRRK2 for proteasomal degradation and attenuates cell toxicity. <i>Neurobiology of Disease</i> , 2017, 98, 122-136.	4.4	9
42	Increased glutamate transmission onto dorsal striatum spiny projection neurons in Pink1 knockout rats. <i>Neurobiology of Disease</i> , 2021, 150, 105246.	4.4	9
43	BACE1 Inhibition Increases Susceptibility to Oxidative Stress by Promoting Mitochondrial Damage. <i>Antioxidants</i> , 2021, 10, 1539.	5.1	8
44	Analysis of hemisphere-dependent effects of unilateral intrastriatal injection of α -synuclein pre-formed fibrils on mitochondrial protein levels, dynamics, and function. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	5.2	3
45	Characterization of Tissue and Slide Artifacts From Automated Embedding Systems. <i>American Journal of Dermatopathology</i> , 2015, 37, 846-849.	0.6	1
46	Basal Synaptic Transmission and Long-Term Plasticity at CA3-CA1 Synapses Are Unaffected in Young Adult PINK1-Deficient Rats. <i>Frontiers in Neuroscience</i> , 2021, 15, 655901.	2.8	0
47	Abstract 163: Glioblastoma, cancer stem cells, and reactive species balances: A case for GTP cyclohydrolase 1. , 2018, , .		0