

Matthew E Gegg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1481903/publications.pdf>

Version: 2024-02-01

42
papers

7,397
citations

172207

29
h-index

276539

41
g-index

46
all docs

46
docs citations

46
times ranked

13931
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. <i>Human Molecular Genetics</i> , 2010, 19, 4861-4870.	1.4	795
3	Glucocerebrosidase deficiency in substantia nigra of parkinson disease brains. <i>Annals of Neurology</i> , 2012, 72, 455-463.	2.8	473
4	Mitochondria and Quality Control Defects in a Mouse Model of Gaucher Diseaseâ€”Links to Parkinsonâ€™s Disease. <i>Cell Metabolism</i> , 2013, 17, 941-953.	7.2	277
5	Ambroxol improves lysosomal biochemistry in glucocerebrosidase mutation-linked Parkinson disease cells. <i>Brain</i> , 2014, 137, 1481-1495.	3.7	258
6	Mitochondrial and lysosomal biogenesis are activated following PINK1/parkin-mediated mitophagy. <i>Journal of Neurochemistry</i> , 2016, 136, 388-402.	2.1	184
7	Silencing of PINK1 Expression Affects Mitochondrial DNA and Oxidative Phosphorylation in DOPAMINERGIC Cells. <i>PLoS ONE</i> , 2009, 4, e4756.	1.1	173
8	Autophagic lysosome reformation dysfunction in glucocerebrosidase deficient cells: relevance to Parkinson disease. <i>Human Molecular Genetics</i> , 2016, 25, 3432-3445.	1.4	171
9	Differential effect of nitric oxide on glutathione metabolism and mitochondrial function in astrocytes and neurones: implications for neuroprotection/neurodegeneration?. <i>Journal of Neurochemistry</i> , 2004, 86, 228-237.	2.1	145
10	Parkinson disease-linked GBA mutation effects reversed by molecular chaperones in human cell and fly models. <i>Scientific Reports</i> , 2016, 6, 31380.	1.6	133
11	No evidence for substrate accumulation in Parkinson brains with GBA mutations. <i>Movement Disorders</i> , 2015, 30, 1085-1089.	2.2	121
12	A <i>Drosophila</i> Model of Neuronopathic Gaucher Disease Demonstrates Lysosomal-Autophagic Defects and Altered mTOR Signalling and Is Functionally Rescued by Rapamycin. <i>Journal of Neuroscience</i> , 2016, 36, 11654-11670.	1.7	117
13	Glucocerebrosidase 1 deficient <i>Danio rerio</i> mirror key pathological aspects of human Gaucher disease and provide evidence of early microglial activation preceding alpha-synuclein-independent neuronal cell death. <i>Human Molecular Genetics</i> , 2015, 24, 6640-6652.	1.4	108
14	The role of glucocerebrosidase in Parkinson disease pathogenesis. <i>FEBS Journal</i> , 2018, 285, 3591-3603.	2.2	99
15	Mitochondrial Contribution to Parkinson's Disease Pathogenesis. <i>Parkinson's Disease</i> , 2011, 2011, 1-7.	0.6	95
16	Differential effects of PINK1 nonsense and missense mutations on mitochondrial function and morphology. <i>Experimental Neurology</i> , 2009, 219, 266-273.	2.0	93
17	Bioenergetic Consequences of PINK1 Mutations in Parkinson Disease. <i>PLoS ONE</i> , 2011, 6, e25622.	1.1	88
18	Mitochondrial dysfunction associated with glucocerebrosidase deficiency. <i>Neurobiology of Disease</i> , 2016, 90, 43-50.	2.1	79

#	ARTICLE	IF	CITATIONS
19	PINK1-parkin-dependent mitophagy involves ubiquitination of mitofusins 1 and 2: Implications for Parkinson disease pathogenesis. <i>Autophagy</i> , 2011, 7, 243-245.	4.3	75
20	Effects of ambroxol on the autophagy-lysosome pathway and mitochondria in primary cortical neurons. <i>Scientific Reports</i> , 2018, 8, 1385.	1.6	74
21	ICAM-1-mediated Endothelial Nitric Oxide Synthase Activation via Calcium and AMP-activated Protein Kinase Is Required for Transendothelial Lymphocyte Migration. <i>Molecular Biology of the Cell</i> , 2009, 20, 995-1005.	0.9	73
22	Endoplasmic reticulum and lysosomal Ca ²⁺ stores are remodelled in GBA1-linked Parkinson disease patient fibroblasts. <i>Cell Calcium</i> , 2016, 59, 12-20.	1.1	71
23	Suppression of Autoimmune Retinal Disease by Lovastatin Does Not Require Th2 Cytokine Induction. <i>Journal of Immunology</i> , 2005, 174, 2327-2335.	0.4	66
24	Co-culture of neurones with glutathione deficient astrocytes leads to increased neuronal susceptibility to nitric oxide and increased glutamate-cysteine ligase activity. <i>Brain Research</i> , 2005, 1036, 1-6.	1.1	60
25	Glucocerebrosidase in the pathogenesis and treatment of Parkinson disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3214-3215.	3.3	54
26	Preservation of extracellular glutathione by an astrocyte derived factor with properties comparable to extracellular superoxide dismutase. <i>Journal of Neurochemistry</i> , 2002, 83, 984-991.	2.1	49
27	Mitochondrial impairment increases FL-PINK1 levels by calcium-dependent gene expression. <i>Neurobiology of Disease</i> , 2014, 62, 426-440.	2.1	49
28	Evidence for DNA fragmentation in the CNS of aged Fischer-344 rats. <i>NeuroReport</i> , 1996, 7, 977-980.	0.6	44
29	Glucocerebrosidase activity, cathepsin D and monomeric α -synuclein interactions in a stem cell derived neuronal model of a PD associated GBA1 mutation. <i>Neurobiology of Disease</i> , 2020, 134, 104620.	2.1	42
30	Glucocerebrosidase deficiency promotes release of α -synuclein fibrils from cultured neurons. <i>Human Molecular Genetics</i> , 2020, 29, 1716-1728.	1.4	35
31	Glucocerebrosidase-associated Parkinson disease: Pathogenic mechanisms and potential drug treatments. <i>Neurobiology of Disease</i> , 2022, 166, 105663.	2.1	34
32	Determination of Glutamate-Cysteine Ligase (γ -Glutamylcysteine Synthetase) Activity by High-Performance Liquid Chromatography and Electrochemical Detection. <i>Analytical Biochemistry</i> , 2002, 304, 26-32.	1.1	29
33	DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. <i>Human Molecular Genetics</i> , 2017, 26, 4028-4041.	1.4	19
34	Ablation of the pro-inflammatory master regulator miR-155 does not mitigate neuroinflammation or neurodegeneration in a vertebrate model of Gaucher's disease. <i>Neurobiology of Disease</i> , 2019, 127, 563-569.	2.1	19
35	GBA mutation promotes early mitochondrial dysfunction in 3D neurosphere models. <i>Aging</i> , 2019, 11, 10338-10355.	1.4	15
36	Nerve Growth Factor, Central Nervous System Apoptosis, and Adrenocortical Activity in Aged Fischer-344/Brown Norway F1 Hybrid Rats. <i>Brain Research Bulletin</i> , 1997, 43, 229-233.	1.4	10

#	ARTICLE	IF	CITATIONS
37	Ambroxol reverses tau and α -synuclein accumulation in a cholinergic N370S <i>GBA1</i> mutation model. <i>Human Molecular Genetics</i> , 2022, 31, 2396-2405.	1.4	10
38	Oxidative phosphorylation: Structure, function, and intermediary metabolism. <i>International Review of Neurobiology</i> , 2002, 53, 25-56.	0.9	8
39	The role of DJ-1 complexes and catecholamine metabolism: relevance for familial and idiopathic Parkinson's disease. <i>Neural Regeneration Research</i> , 2018, 13, 815.	1.6	8
40	Mitochondria: Key Organelle in Parkinson's Disease. <i>Parkinson's Disease</i> , 2016, 2016, 1-2.	0.6	3
41	Ubiquitination of Mitofusins in PINK1/Parkin-Mediated Mitophagy. , 2014, , 189-199.		0
42	Interaction Between Mitochondria and Autophagy. <i>Current Topics in Neurotoxicity</i> , 2015, , 41-61.	0.4	0