Matthew E Gegg

List of Publications by Year
in descending order

42	7,397	172207	276539
papers	citations	29 h-index	41 g-index

46	46	46	13931
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ambroxol reverses tau and Î±-synuclein accumulation in a cholinergic N370S GBA1 mutation model. Human Molecular Genetics, 2022, 31, 2396-2405.	1.4	10
2	Glucocerebrosidase-associated Parkinson disease: Pathogenic mechanisms and potential drug treatments. Neurobiology of Disease, 2022, 166, 105663.	2.1	34
3	Glucocerebrosidase activity, cathepsin D and monomeric Î±-synuclein interactions in a stem cell derived neuronal model of a PD associated GBA1 mutation. Neurobiology of Disease, 2020, 134, 104620.	2.1	42
4	Glucocerebrosidase deficiency promotes release of Î±-synuclein fibrils from cultured neurons. Human Molecular Genetics, 2020, 29, 1716-1728.	1.4	35
5	Ablation of the pro-inflammatory master regulator miR-155 does not mitigate neuroinflammation or neurodegeneration in a vertebrate model of Gaucher's disease. Neurobiology of Disease, 2019, 127, 563-569.	2.1	19
6	GBA mutation promotes early mitochondrial dysfunction in 3D neurosphere models. Aging, 2019, 11, 10338-10355.	1.4	15
7	The role of glucocerebrosidase in Parkinson disease pathogenesis. FEBS Journal, 2018, 285, 3591-3603.	2.2	99
8	Effects of ambroxol on the autophagy-lysosome pathway and mitochondria in primary cortical neurons. Scientific Reports, 2018, 8, 1385.	1.6	74
9	The role of DJ-1 complexes and catecholamine metabolism: relevance for familial and idiopathic Parkinsonâ€™s disease. Neural Regeneration Research, 2018, 13, 815.	1.6	8
10	DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. Human Molecular Genetics, 2017, 26, 4028-4041.	1.4	19
11	Mitochondria: Key Organelle in Parkinsonâ€™s Disease. Parkinson's Disease, 2016, 2016, 1-2.	0.6	3
12	Autophagic lysosome reformation dysfunction in glucocerebrosidase deficient cells: relevance to Parkinson disease. Human Molecular Genetics, 2016, 25, 3432-3445.	1.4	171
13	ADrosophilaModel of Neuronopathic Gaucher Disease Demonstrates Lysosomal-Autophagic Defects and Altered mTOR Signalling and Is Functionally Rescued by Rapamycin. Journal of Neuroscience, 2016, 36, 11654-11670.	1.7	117
14	Parkinson disease-linked GBA mutation effects reversed by molecular chaperones in human cell and fly models. Scientific Reports, 2016, 6, 31380.	1.6	133
15	Mitochondrial and lysosomal biogenesis are activated following <scp>PINK</scp>1/parkinâ€mediated mitophagy. Journal of Neurochemistry, 2016, 136, 388-402.	2.1	184
16	Endoplasmic reticulum and lysosomal Ca2+ stores are remodelled in GBA1-linked Parkinson disease patient fibroblasts. Cell Calcium, 2016, 59, 12-20.	1.1	71
17	Mitochondrial dysfunction associated with glucocerebrosidase deficiency. Neurobiology of Disease, 2016, 90, 43-50.	2.1	79
18	No evidence for substrate accumulation in Parkinson brains with GBA mutations. Movement Disorders, 2015, 30, 1085-1089.	2.2	121

#	Article	IF	Citations
19	Interaction Between Mitochondria and Autophagy. Current Topics in Neurotoxicity, 2015, , 41-61.	0.4	0
20	Glucocerebrosidase 1 deficientDanio reriomirror key pathological aspects of human Gaucher disease and provide evidence of early microglial activation preceding alpha-synuclein-independent neuronal cell death. Human Molecular Genetics, 2015, 24, 6640-6652.	1.4	108
21	Ubiquitination of Mitofusins in PINK1/Parkin-Mediated Mitophagy. , 2014, , 189-199.		0
22	Ambroxol improves lysosomal biochemistry in glucocerebrosidase mutation-linked Parkinson disease cells. Brain, 2014, 137, 1481-1495.	3.7	258
23	Mitochondrial impairment increases FL-PINK1 levels by calcium-dependent gene expression. Neurobiology of Disease, 2014, 62, 426-440.	2.1	49
24	Mitochondria and Quality Control Defects in a Mouse Model of Gaucher Diseaseâ€"Links to Parkinsonâ€™s Disease. Cell Metabolism, 2013, 17, 941-953.	7.2	277
25	Glucocerebrosidase in the pathogenesis and treatment of Parkinson disease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3214-3215.	3.3	54
26	Glucocerebrosidase deficiency in substantia nigra of parkinson disease brains. Annals of Neurology, 2012, 72, 455-463.	2.8	473
27	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
28	PINK1-parkin-dependent mitophagy involves ubiquitination of mitofusins 1 and 2: Implications for Parkinson disease pathogenesis. Autophagy, 2011, 7, 243-245.	4.3	75
29	Mitochondrial Contribution to Parkinson's Disease Pathogenesis. Parkinson's Disease, 2011, 2011, 1-7.	0.6	95
30	Bioenergetic Consequences of PINK1 Mutations in Parkinson Disease. PLoS ONE, 2011, 6, e25622.	1.1	88
31	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. Human Molecular Genetics, 2010, 19, 4861-4870.	1.4	795
32	ICAM-1â€"mediated Endothelial Nitric Oxide Synthase Activation via Calcium and AMP-activated Protein Kinase Is Required for Transendothelial Lymphocyte Migration. Molecular Biology of the Cell, 2009, 20, 995-1005.	0.9	73
33	Differential effects of PINK1 nonsense and missense mutations on mitochondrial function and morphology. Experimental Neurology, 2009, 219, 266-273.	2.0	93
34	Silencing of PINK1 Expression Affects Mitochondrial DNA and Oxidative Phosphorylation in DOPAMINERGIC Cells. PLoS ONE, 2009, 4, e4756.	1.1	173
35	Co-culture of neurones with glutathione deficient astrocytes leads to increased neuronal susceptibility to nitric oxide and increased glutamate-cysteine ligase activity. Brain Research, 2005, 1036, 1-6.	1.1	60
36	Suppression of Autoimmune Retinal Disease by Lovastatin Does Not Require Th2 Cytokine Induction. Journal of Immunology, 2005, 174, 2327-2335.	0.4	66

#	Article	IF	Citations
37	Differential effect of nitric oxide on glutathione metabolism and mitochondrial function in astrocytes and neurones: implications for neuroprotection/neurodegeneration?. Journal of Neurochemistry, 2004, 86, 228-237.	2.1	145
38	Oxidative phosphorylation: Structure, function, and intermediary metabolism. International Review of Neurobiology, 2002, 53, 25-56.	0.9	8
39	Determination of Glutamate-Cysteine Ligase (Î³-Glutamylcysteine Synthetase) Activity by High-Performance Liquid Chromatography and Electrochemical Detection. Analytical Biochemistry, 2002, 304, 26-32.	1.1	29
40	Preservation of extracellular glutathione by an astrocyte derived factor with properties comparable to extracellular superoxide dismutase. Journal of Neurochemistry, 2002, 83, 984-991.	2.1	49
41	Nerve Growth Factor, Central Nervous System Apoptosis, and Adrenocortical Activity in Aged Fischer-344/Brown Norway F1 Hybrid Rats. Brain Research Bulletin, 1997, 43, 229-233.	1.4	10
42	Evidence for DNA fragmentation in the CNS of aged Fischer-344 rats. NeuroReport, 1996, 7, 977-980.	0.6	44