Chau Ky

List of Publications by Year
in descending order

38 papers	3,136 citations	257450 24 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	4905 citing authors

#	Article	IF	Citations
1	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. Human Molecular Genetics, 2010, 19, 4861-4870.	2.9	795
2	Ambroxol improves lysosomal biochemistry in glucocerebrosidase mutation-linked Parkinson disease cells. Brain, 2014, 137, 1481-1495.	7.6	258
3	Mitochondrial and lysosomal biogenesis are activated following <scp>PINK</scp>1/parkinâ€mediated mitophagy. Journal of Neurochemistry, 2016, 136, 388-402.	3.9	184
4	Glucocerebrosidase inhibition causes mitochondrial dysfunction and free radical damage. Neurochemistry International, 2013, 62, 1-7.	3.8	166
5	G2019S leucine-rich repeat kinase 2 causes uncoupling protein-mediated mitochondrial depolarization. Human Molecular Genetics, 2012, 21, 4201-4213.	2.9	147
6	PINK1 disables the anti-fission machinery to segregate damaged mitochondria for mitophagy. Journal of Cell Biology, 2016, 213, 163-171.	5.2	145
7	IFNÎ³-Dependent Tissue-Immune Homeostasis Is Co-opted in the Tumor Microenvironment. Cell, 2017, 170, 127-141.e15.	28.9	140
8	Parkinson disease-linked GBA mutation effects reversed by molecular chaperones in human cell and fly models. Scientific Reports, 2016, 6, 31380.	3.3	133
9	Circulating antiâ€retinal antibodies as immune markers in ageâ€related macular degeneration. Immunology, 2005, 115, 422-430.	4.4	123
10	Relationship between alpha synuclein phosphorylation, proteasomal inhibition and cell death: relevance to Parkinsonâ€™s disease pathogenesis. Journal of Neurochemistry, 2009, 110, 1005-1013.	3.9	87
11	Mitochondrial dysfunction in glaucoma: Understanding genetic influences. Mitochondrion, 2012, 12, 202-212.	3.4	85
12	The gene for the human architectural transcription factor HMGI-C consists ofn five exons each coding for a distinct functional element. Nucleic Acids Research, 1995, 23, 4262-4266.	14.5	76
13	Recharging mitochondrial batteries in old eyes. Near infra-red increases ATP. Experimental Eye Research, 2014, 122, 50-53.	2.6	73
14	Insulin Resistance Promotes Parkinsonâ€™s Disease through Aberrant Expression of Î±-Synuclein, Mitochondrial Dysfunction, and Deregulation of the Polo-Like Kinase 2 Signaling. Cells, 2020, 9, 740.	4.1	67
15	Functional Domains of the Cone-Rod Homeobox (CRX) Transcription Factor. Journal of Biological Chemistry, 2000, 275, 37264-37270.	3.4	63
16	A Human Neural Crest Stem Cell-Derived Dopaminergic Neuronal Model Recapitulates Biochemical Abnormalities in GBA1 Mutation Carriers. Stem Cell Reports, 2017, 8, 728-742.	4.8	57
17	Expression and cDNA Cloning of Human HMGI-C Phosphoprotein. Biochemical and Biophysical Research Communications, 1994, 201, 63-70.	2.1	56
18	Molecular Dissection of the Architectural Transcription Factor HMGA2. Biochemistry, 2003, 42, 4569-4577.	2.5	50

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19	Meclizine-induced enhanced glycolysis is neuroprotective in Parkinson disease cell models. Scientific Reports, 2016, 6, 25344.	3.3	42
20	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.	4.4	42
21	Resistance to the most common optic neuropathy is associated with systemic mitochondrial efficiency. Neurobiology of Disease, 2015, 82, 78-85.	4.4	41
22	The Architectural Transcription Factor High Mobility Group I(Y) Participates in Photoreceptor-Specific Gene Expression. Journal of Neuroscience, 2000, 20, 7317-7324.	3.6	40
23	Rasagiline protects against alpha-synuclein induced sensitivity to oxidative stress in dopaminergic cells. Neurochemistry International, 2010, 57, 525-529.	3.8	35
24	Estrogen Treatment Induces Elevated Expression of HMG1 in MCF-7 Cells. Experimental Cell Research, 1998, 241, 269-272.	2.6	32
25	The HMG I Proteins Dynamic Roles in Gene Activation, Development, and Tumorigenesis. Immunologic Research, 2001, 24, 13-30.	2.9	23
26	Derepression of HMGA2 Gene Expression in Retinoblastoma Is Associated with Cell Proliferation. Molecular Medicine, 2003, 9, 154-165.	4.4	21
27	Neuroprotection in Glaucoma: NAD+/NADH Redox State as a Potential Biomarker and Therapeutic Target. Cells, 2021, 10, 1402.	4.1	19
28	Cis-element dependence and occupancy of the human invariant chain promoter in CIITA-dependent and -independent transcription. Molecular Immunology, 1999, 36, 447-460.	2.2	17
29	Protection against paraquat and A53T alpha-synuclein toxicity by cabergoline is partially mediated by dopamine receptors. Journal of the Neurological Sciences, 2009, 278, 44-53.	0.6	17
30	Derepression of HMGA2 gene expression in retinoblastoma is associated with cell proliferation. Molecular Medicine, 2003, 9, 1.	4.4	16
31	GBA mutation promotes early mitochondrial dysfunction in 3D neurosphere models. Aging, 2019, 11, 10338-10355.	3.1	15
32	Pramipexole Reduces Phosphorylation of Î±-Synuclein at Serine-129. Journal of Molecular Neuroscience, 2013, 51, 573-580.	2.3	14
33	A novel downstream positive regulatory element mediating transcription of the human high mobility group (HMG) I-C gene. FEBS Letters, 1999, 457, 429-436.	2.8	13
34	IFN-Â gene expression is controlled by the architectural transcription factor HMGA1. International Immunology, 2005, 17, 297-306.	4.0	13
35	The Cytomegalovirus protein pUL37Ã—1 targets mitochondria to mediate neuroprotection. Scientific Reports, 2016, 6, 31373.	3.3	9
36	Glucocerebrosidase 1 and leucineâ€rich repeat kinase 2 in Parkinson disease and interplay between the two genes. Journal of Neurochemistry, 2021, 159, 826-839.	3.9	7

#	Article	IF	Citations
37	Gene Transfer into Retinoblastoma Cells. BioTechniques, 1999, 26, 444-446.	1.8	6
38	Systemic PTEN-Akt1-mTOR pathway activity in patients with normal tension glaucoma and ocular hypertension: A case series. Mitochondrion, 2017, 36, 96-102.	3.4	6