

# Cathepsin D expression level affects alpha-synuclein pr in vivo

Molecular Brain

2, 5

DOI: [10.1186/1756-6606-2-5](https://doi.org/10.1186/1756-6606-2-5)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Expansion of the Parkinson disease-associated SNCA- Rep1 allele upregulates human $\alpha$ -synuclein in transgenic mouse brain. <i>Human Molecular Genetics</i> , 2009, 18, 3274-3285.	1.4	101
2	Genetic modifiers of degeneration in the cathepsin D deficient <i>Drosophila</i> model for neuronal ceroid lipofuscinosis. <i>Neurobiology of Disease</i> , 2009, 36, 488-493.	2.1	10
3	Recent advances in our understanding of neurodegeneration. <i>Journal of Neural Transmission</i> , 2009, 116, 1111-1162.	1.4	235
4	Formation and development of Lewy pathology: a critical update. <i>Journal of Neurology</i> , 2009, 256, 270-279.	1.8	179
5	Activation of cathepsin D by glycosaminoglycans. <i>FEBS Journal</i> , 2009, 276, 7343-7352.	2.2	22
6	Manganese-Induced Dopaminergic Neurodegeneration: Insights into Mechanisms and Genetics Shared with Parkinson's Disease. <i>Chemical Reviews</i> , 2009, 109, 4862-4884.	23.0	114
7	Lessons learnt from animal models: pathophysiology of neuropathic lysosomal storage disorders. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 363-371.	1.7	27
8	VPS41, a protein involved in lysosomal trafficking, is protective in <i>Caenorhabditis elegans</i> and mammalian cellular models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2010, 37, 330-338.	2.1	70
9	Astrocytic expression of Parkinson's disease-related A53T $\alpha$ -synuclein causes neurodegeneration in mice. <i>Molecular Brain</i> , 2010, 3, 12.	1.3	263
10	Basic mechanisms of neurodegeneration: a critical update. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 457-487.	1.6	330
11	Ferroportin1 and hephaestin overexpression attenuate iron-induced oxidative stress in MES23.5 dopaminergic cells. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 1063-1072.	1.2	26
13	Lysosomal function in macromolecular homeostasis and bioenergetics in Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2010, 5, 14.	4.4	49
14	Low-dose bafilomycin attenuates neuronal cell death associated with autophagy-lysosome pathway dysfunction. <i>Journal of Neurochemistry</i> , 2010, 114, 1193-1204.	2.1	57
15	Selective Molecular Alterations in the Autophagy Pathway in Patients with Lewy Body Disease and in Models of $\alpha$ -Synucleinopathy. <i>PLoS ONE</i> , 2010, 5, e9313.	1.1	327
16	Lack of interleukin-1 type 1 receptor enhances the accumulation of mutant huntingtin in the striatum and exacerbates the neurological phenotypes of Huntington's disease mice. <i>Molecular Brain</i> , 2010, 3, 33.	1.3	6
17	Pathophysiological functions of cathepsin D: Targeting its catalytic activity versus its protein binding activity?. <i>Biochimie</i> , 2010, 92, 1635-1643.	1.3	80
18	NMR evidence of GM1-induced conformational change of Substance P using isotropic bicelles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 127-139.	1.4	37
19	Genetic analysis of lysosomal alpha-galactosidase A gene in sporadic Parkinson's disease. <i>Neuroscience Letters</i> , 2011, 500, 31-35.	1.0	11

#	ARTICLE	IF	CITATIONS
20	Mitochondria and Parkinson's Disease. <i>Parkinson's Disease</i> , 2011, 2011, 1-2.	0.6	3
21	Mitochondrial Dysfunction in Parkinson's Disease: Pathogenesis and Neuroprotection. <i>Parkinson's Disease</i> , 2011, 2011, 1-18.	0.6	47
22	<i>Δ</i> -Synuclein Transgenic <i>Drosophila</i> As a Model of Parkinson's Disease and Related Synucleinopathies. <i>Parkinson's Disease</i> , 2011, 2011, 1-7.	0.6	29
23	<i>Drosophila</i> Models of Parkinson's Disease: Discovering Relevant Pathways and Novel Therapeutic Strategies. <i>Parkinson's Disease</i> , 2011, 2011, 1-14.	0.6	59
24	Morphologic and Functional Correlates of Synaptic Pathology in the Cathepsin D Knockout Mouse Model of Congenital Neuronal Ceroid Lipofuscinosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 1089-1096.	0.9	30
25	Parkinson's disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures. <i>Journal of Neural Transmission</i> , 2011, 118, 795-808.	1.4	230
26	NACP-Rep1 relates to Beck Depression Inventory Scores in Healthy Humans. <i>Journal of Molecular Neuroscience</i> , 2011, 44, 41-47.	1.1	4
27	Reduction of mutant huntingtin accumulation and toxicity by lysosomal cathepsins D and B in neurons. <i>Molecular Neurodegeneration</i> , 2011, 6, 37.	4.4	58
28	Lysosomal storage disorders and Parkinson's disease: Gaucher disease and beyond. <i>Movement Disorders</i> , 2011, 26, 1593-1604.	2.2	141
29	Acid $\alpha$ -glucosidase mutants linked to gaucher disease, parkinson disease, and lewy body dementia alter $\Delta$ -synuclein processing. <i>Annals of Neurology</i> , 2011, 69, 940-953.	2.8	276
30	Cyclin-G-associated kinase modifies $\Delta$ -synuclein expression levels and toxicity in Parkinson's disease: results from the GenePD Study. <i>Human Molecular Genetics</i> , 2011, 20, 1478-1487.	1.4	60
31	Systems biology of the autophagy-lysosomal pathway. <i>Autophagy</i> , 2011, 7, 477-489.	4.3	116
32	LYSOSOME STORAGE DISORDERS ON THE BRAIN: THE AUTOPHAGY LYSOSOME PATHWAY CONTRIBUTES TO DISEASE PATHOPHYSIOLOGY AND MAY BE UTILIZED FOR THERAPEUTIC BENEFIT. , 2012, , 331-354.		0
33	Exacerbated neuronal ceroid lipofuscinosis phenotype in <i>Cln1/5</i> double knock-out mice. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 342-57.	1.2	26
34	Excess $\Delta$ -synuclein worsens disease in mice lacking ubiquitin carboxy-terminal hydrolase L1. <i>Scientific Reports</i> , 2012, 2, 262.	1.6	18
35	Glucocerebrosidase Mutations alter the endoplasmic reticulum and lysosomes in Lewy body disease. <i>Journal of Neurochemistry</i> , 2012, 123, 298-309.	2.1	58
36	Autophagy, mitochondria and oxidative stress: cross-talk and redox signalling. <i>Biochemical Journal</i> , 2012, 441, 523-540.	1.7	1,243
37	Clinicopathological significance of cathepsin D expression in non-small cell lung cancer is conditional on apoptosis-associated protein phenotype: an immunohistochemistry study. <i>Tumor Biology</i> , 2012, 33, 1045-1052.	0.8	9

#	ARTICLE	IF	CITATIONS
38	Mutation of the parkinsonism gene ATP13A2 causes neuronal ceroid-lipofuscinosis. <i>Human Molecular Genetics</i> , 2012, 21, 2646-2650.	1.4	231
39	Genetically engineered mouse models of Parkinson's disease. <i>Brain Research Bulletin</i> , 2012, 88, 13-32.	1.4	42
40	Lysosome-dependent pathways as a unifying theme in Parkinson's disease. <i>Movement Disorders</i> , 2012, 27, 1364-1369.	2.2	103
41	Î±-Synuclein in human cerebrospinal fluid is principally derived from neurons of the central nervous system. <i>Journal of Neural Transmission</i> , 2012, 119, 739-746.	1.4	63
42	Autophagy in Dementias. <i>Brain Pathology</i> , 2012, 22, 99-109.	2.1	55
43	The role of Î±-synuclein in neurodegeneration – An update. <i>Translational Neuroscience</i> , 2012, 3, .	0.7	16
44	Autophagy and mitophagy in cellular damage control. <i>Redox Biology</i> , 2013, 1, 19-23.	3.9	173
45	Alpha-synuclein and Protein Degradation Systems: a Reciprocal Relationship. <i>Molecular Neurobiology</i> , 2013, 47, 537-551.	1.9	222
46	A Neurodegeneration-Specific Gene-Expression Signature of Acutely Isolated Microglia from an Amyotrophic Lateral Sclerosis Mouse Model. <i>Cell Reports</i> , 2013, 4, 385-401.	2.9	552
47	NCL disease mechanisms. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1882-1893.	1.8	96
48	Lysosomal impairment in Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 725-732.	2.2	270
49	Cathepsin D deficiency induces cytoskeletal changes and affects cell migration pathways in the brain. <i>Neurobiology of Disease</i> , 2013, 50, 107-119.	2.1	23
50	Chronic intranasal deferoxamine ameliorates motor defects and pathology in the Î±-synuclein rAAV Parkinson's model. <i>Experimental Neurology</i> , 2013, 247, 45-58.	2.0	53
51	Protein Truncation as a Common Denominator of Human Neurodegenerative Foldopathies. <i>Molecular Neurobiology</i> , 2013, 48, 516-532.	1.9	14
52	Design of a Highly Selective and Potent Class of Non-planar Estrogen Receptor-1 Agonists. <i>ChemMedChem</i> , 2013, 8, 1283-1294.	1.6	9
53	The pallidopyramidal syndromes. <i>Current Opinion in Neurology</i> , 2013, 26, 381-394.	1.8	25
54	Genetic Variations of GAK in Two Chinese Parkinson's Disease Populations: A Case-Control Study. <i>PLoS ONE</i> , 2013, 8, e67506.	1.1	18
55	Protein Transmission, Seeding and Degradation: Key Steps for Î±-Synuclein Prion-Like Propagation. <i>Experimental Neurobiology</i> , 2014, 23, 324-336.	0.7	45

#	ARTICLE	IF	CITATIONS
56	The genetics of Parkinson's disease: review of current and emerging candidates. <i>Journal of Parkinsonism and Restless Legs Syndrome</i> , 2014, , 63.	0.8	1
57	Accumulation of $\alpha$ -synuclein in dementia with Lewy bodies is associated with decline in the $\alpha$ -synuclein-degrading enzymes kallikrein-6 and calpain-1. <i>Acta Neuropathologica Communications</i> , 2014, 2, 164.	2.4	13
58	Oxidative Stress, Hypoxia, and Autophagy in the Neovascular Processes of Age-Related Macular Degeneration. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	195
59	Overexpression of an inactive mutant cathepsin D increases endogenous $\alpha$ -synuclein and cathepsin B activity in SH-SY5Y cells. <i>Journal of Neurochemistry</i> , 2014, 128, 950-961.	2.1	37
60	Targeting $\alpha$ -Synuclein as a Parkinson's Disease Therapeutic. <i>Topics in Medicinal Chemistry</i> , 2014, , 43-109.	0.4	0
61	Corynoxine, a Natural Autophagy Enhancer, Promotes the Clearance of Alpha-Synuclein via Akt/mTOR Pathway. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 380-387.	2.1	78
62	Glucocerebrosidase is shaking up the synucleinopathies. <i>Brain</i> , 2014, 137, 1304-1322.	3.7	128
63	Reduced glucocerebrosidase is associated with increased $\alpha$ -synuclein in sporadic Parkinson's disease. <i>Brain</i> , 2014, 137, 834-848.	3.7	397
64	The Vps35 D620N Mutation Linked to Parkinson's Disease Disrupts the Cargo Sorting Function of Retromer. <i>Traffic</i> , 2014, 15, 230-244.	1.3	186
65	VPS35 dysfunction impairs lysosomal degradation of $\alpha$ -synuclein and exacerbates neurotoxicity in a <i>Drosophila</i> model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 71, 1-13.	2.1	158
66	Enhanced ubiquitin-dependent degradation by Nedd4 protects against $\alpha$ -synuclein accumulation and toxicity in animal models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 64, 79-87.	2.1	71
67	Molecular neuropathology of the synapse in sheep with CLN5 Batten disease. <i>Brain and Behavior</i> , 2015, 5, e00401.	1.0	28
68	Comprehensive functional characterization of murine infantile Batten disease including Parkinson-like behavior and dopaminergic markers. <i>Scientific Reports</i> , 2015, 5, 12752.	1.6	28
69	Interaction between SNCA, LRRK2 and GAK increases susceptibility to Parkinson's disease in a Chinese population. <i>ENeurologicalSci</i> , 2015, 1, 3-6.	0.5	9
70	The Potential Role of the Proteases Cathepsin D and Cathepsin L in the Progression and Metastasis of Epithelial Ovarian Cancer. <i>Biomolecules</i> , 2015, 5, 3260-3279.	1.8	55
71	Quantitative assessment of the association between GAK rs1564282 C/T polymorphism and the risk of Parkinson's disease. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1077-1080.	0.8	9
72	The Interplay between Alpha-Synuclein Clearance and Spreading. <i>Biomolecules</i> , 2015, 5, 435-471.	1.8	79
73	New Roles of Glycosaminoglycans in $\alpha$ -Synuclein Aggregation in a Cellular Model of Parkinson Disease. <i>PLoS ONE</i> , 2015, 10, e0116641.	1.1	41

#	ARTICLE	IF	CITATIONS
74	Cathepsin D and its newly identified transport receptor Sez6l2 can modulate neurite outgrowth. <i>Journal of Cell Science</i> , 2016, 129, 557-68.	1.2	46
75	Solid microparticles based on chitosan or methyl- $\beta$ -cyclodextrin: A first formulative approach to increase the nose-to-brain transport of deferoxamine mesylate. <i>Journal of Controlled Release</i> , 2015, 201, 68-77.	4.8	116
76	The endosomal pathway in Parkinson's disease. <i>Molecular and Cellular Neurosciences</i> , 2015, 66, 21-28.	1.0	71
77	Sustained Systemic Glucocerebrosidase Inhibition Induces Brain $\alpha$ -Synuclein Aggregation, Microglia and Complement C1q Activation in Mice. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 550-564.	2.5	118
78	Cysteine cathepsins are essential in lysosomal degradation of $\alpha$ -synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9322-9327.	3.3	170
79	Degradation of misfolded proteins in neurodegenerative diseases: therapeutic targets and strategies. <i>Experimental and Molecular Medicine</i> , 2015, 47, e147-e147.	3.2	650
80	$\alpha$ -Synuclein-Independent Histopathological and Motor Deficits in Mice Lacking the Endolysosomal Parkinsonism Protein Atp13a2. <i>Journal of Neuroscience</i> , 2015, 35, 5724-5742.	1.7	87
81	Haploinsufficiency of cathepsin D leads to lysosomal dysfunction and promotes cell-to-cell transmission of $\alpha$ -synuclein aggregates. <i>Cell Death and Disease</i> , 2015, 6, e1901-e1901.	2.7	58
82	Bridging NCL research gaps. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2324-2328.	1.8	3
83	D620N mutation in the VPS35 gene and R1205H mutation in the EIF4G1 gene are uncommon in the Greek population. <i>Neuroscience Letters</i> , 2015, 606, 113-116.	1.0	7
84	Lysosomal enzyme cathepsin B enhances the aggregate forming activity of exogenous $\alpha$ -synuclein fibrils. <i>Neurobiology of Disease</i> , 2015, 73, 244-253.	2.1	53
85	Rotenone impairs autophagic flux and lysosomal functions in Parkinson's disease. <i>Neuroscience</i> , 2015, 284, 900-911.	1.1	90
86	Genetic Convergence of Parkinson's Disease and Lysosomal Storage Disorders. <i>Molecular Neurobiology</i> , 2015, 51, 1554-1568.	1.9	22
87	Role of the Retromer Complex in Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 42.	1.7	20
88	Mannose 6-Phosphate Receptor Is Reduced in $\alpha$ -Synuclein Overexpressing Models of Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0160501.	1.1	19
89	Mild MPP <sup>+</sup> exposure impairs autophagic degradation through a novel lysosomal acidity-independent mechanism. <i>Journal of Neurochemistry</i> , 2016, 139, 294-308.	2.1	28
90	The Role of Cathepsin D in the Pathogenesis of Human Neurodegenerative Disorders. <i>Medicinal Research Reviews</i> , 2016, 36, 845-870.	5.0	109
91	Parkinson Disease-linked Vps35 R524W Mutation Impairs the Endosomal Association of Retromer and Induces $\alpha$ -Synuclein Aggregation. <i>Journal of Biological Chemistry</i> , 2016, 291, 18283-18298.	1.6	68

#	ARTICLE	IF	CITATIONS
92	NADPH oxidase promotes Parkinsonian phenotypes by impairing autophagic flux in an mTORC1-independent fashion in a cellular model of Parkinson's disease. <i>Scientific Reports</i> , 2016, 6, 22866.	1.6	42
93	Lysosomal cathepsins and their regulation in aging and neurodegeneration. <i>Ageing Research Reviews</i> , 2016, 32, 22-37.	5.0	280
94	Sorting out release, uptake and processing of alpha-synuclein during prion-like spread of pathology. <i>Journal of Neurochemistry</i> , 2016, 139, 275-289.	2.1	77
95	Genetics in Parkinson disease: Mendelian versus non-Mendelian inheritance. <i>Journal of Neurochemistry</i> , 2016, 139, 59-74.	2.1	390
96	Endolysosomal dysfunction in Parkinson's disease: Recent developments and future challenges. <i>Movement Disorders</i> , 2016, 31, 1433-1443.	2.2	34
97	Lysosomal Dysfunction and $\alpha$ -Synuclein Aggregation in Parkinson's Disease: Diagnostic Links. <i>Movement Disorders</i> , 2016, 31, 791-801.	2.2	125
98	Genes associated with Parkinson's disease: regulation of autophagy and beyond. <i>Journal of Neurochemistry</i> , 2016, 139, 91-107.	2.1	88
99	What lysosomes actually tell us about Parkinson's disease?. <i>Ageing Research Reviews</i> , 2016, 32, 140-149.	5.0	19
100	Discovery and functional prioritization of Parkinson's disease candidate genes from large-scale whole exome sequencing. <i>Genome Biology</i> , 2017, 18, 22.	3.8	96
101	Endothelin-converting enzymes degrade $\alpha$ -synuclein and are reduced in dementia with Lewy bodies. <i>Journal of Neurochemistry</i> , 2017, 141, 275-286.	2.1	7
102	The emerging role of retromer in neuroprotection. <i>Current Opinion in Cell Biology</i> , 2017, 47, 72-82.	2.6	54
103	Haplodeficiency of <i>Cathepsin D</i> does not affect cerebral amyloidosis and autophagy in <i>APP</i> / <i>PS</i> 1 transgenic mice. <i>Journal of Neurochemistry</i> , 2017, 142, 297-304.	2.1	13
104	Selective imaging of internalized proteopathic $\alpha$ -synuclein seeds in primary neurons reveals mechanistic insight into transmission of synucleinopathies. <i>Journal of Biological Chemistry</i> , 2017, 292, 13482-13497.	1.6	131
105	Axonal dystrophy in the brain of mice with Sanfilippo syndrome. <i>Experimental Neurology</i> , 2017, 295, 243-255.	2.0	32
106	The Transcellular Propagation and Intracellular Trafficking of $\alpha$ -Synuclein. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017, 7, a024380.	2.9	28
107	Role of the VPS35 D620N mutation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 36, 10-18.	1.1	24
108	Cerebrospinal fluid $\alpha$ -glucocerebrosidase activity is reduced in parkinson's disease patients. <i>Movement Disorders</i> , 2017, 32, 1423-1431.	2.2	132
109	Lysosomal defects in ATP13A2 and GBA associated familial Parkinson's disease. <i>Journal of Neural Transmission</i> , 2017, 124, 1395-1400.	1.4	14

#	ARTICLE	IF	CITATIONS
110	Polo-like kinase 2 modulates $\alpha$ -synuclein protein levels by regulating its mRNA production. <i>Neurobiology of Disease</i> , 2017, 106, 49-62.	2.1	21
111	$\alpha$ -synuclein aggregation and its modulation. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 37-54.	3.6	106
112	Excessive burden of lysosomal storage disorder gene variants in Parkinson's disease. <i>Brain</i> , 2017, 140, 3191-3203.	3.7	323
113	Long-Term Assessment of AAV-Mediated Zinc Finger Nuclease Expression in the Mouse Brain. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 142.	1.4	7
114	The Coordinated Action of Calcineurin and Cathepsin D Protects Against $\alpha$ -Synuclein Toxicity. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 207.	1.4	22
115	Lysosomal response in relation to $\alpha$ -synuclein pathology differs between Parkinson's disease and multiple system atrophy. <i>Neurobiology of Disease</i> , 2018, 114, 140-152.	2.1	13
116	Role of proteoglycans in neuro-inflammation and central nervous system fibrosis. <i>Matrix Biology</i> , 2018, 68-69, 589-601.	1.5	42
117	Mitochondrial function and autophagy: integrating proteotoxic, redox, and metabolic stress in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2018, 144, 691-709.	2.1	58
118	The emerging role of Rab GTPases in the pathogenesis of Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 196-207.	2.2	55
119	Proteomic differences between focal and diffuse traumatic brain injury in human brain tissue. <i>Scientific Reports</i> , 2018, 8, 6807.	1.6	37
120	Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 295-310.	1.4	86
121	Absence of association of the Ala58Val (rs17571) CTSD gene variant with Parkinson's disease or amyotrophic lateral sclerosis in a Han Chinese population. <i>Neuroscience Letters</i> , 2018, 662, 181-184.	1.0	2
122	Familial knockin mutation of LRRK2 causes lysosomal dysfunction and accumulation of endogenous insoluble $\alpha$ -synuclein in neurons. <i>Neurobiology of Disease</i> , 2018, 111, 26-35.	2.1	108
123	The functional roles of retromer in Parkinson's disease. <i>FEBS Letters</i> , 2018, 592, 1096-1112.	1.3	23
124	Parkinson's disease: experimental models and reality. <i>Acta Neuropathologica</i> , 2018, 135, 13-32.	3.9	89
125	Effects and Mechanisms of Rapamycin Action on Experimental Neurodegeneration. <i>Neurochemical Journal</i> , 2018, 12, 347-358.	0.2	5
126	Time-Resolved NMR Analysis of Proteolytic $\alpha$ -Synuclein Processing in vitro and in cellulo. <i>Proteomics</i> , 2018, 18, e1800056.	1.3	19
127	Upregulation of PSMB8 and cathepsins in the human brains of dementia with Lewy bodies. <i>Neuroscience Letters</i> , 2018, 678, 131-137.	1.0	4



#	ARTICLE	IF	CITATIONS
128	The Retromer Complex and Sorting Nexins in Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 79.	1.7	55
129	Modeling Parkinson's Disease in <i>Drosophila</i> : What Have We Learned for Dominant Traits?. <i>Frontiers in Neurology</i> , 2018, 9, 228.	1.1	66
130	Pathophysiological Consequences of Neuronal $\alpha$ -Synuclein Overexpression: Impacts on Ion Homeostasis, Stress Signaling, Mitochondrial Integrity, and Electrical Activity. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 49.	1.4	22
131	Midazolam Enhances Mutant Huntingtin Protein Accumulation via Impairment of Autophagic Degradation In Vitro. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 683-691.	1.1	5
132	Characterization of Brain Lysosomal Activities in GBA-Related and Sporadic Parkinson's Disease and Dementia with Lewy Bodies. <i>Molecular Neurobiology</i> , 2019, 56, 1344-1355.	1.9	97
133	Exploring the putative role of kallikrein $\alpha$ 6, calpain $\alpha$ 1 and cathepsin $\beta$ D in the proteolytic degradation of $\alpha$ -synuclein in multiple system atrophy. <i>Neuropathology and Applied Neurobiology</i> , 2019, 45, 347-360.	1.8	16
134	A Cleaning Crew: The Pursuit of Autophagy in Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3914-3926.	1.7	25
135	Glial $\alpha$ -Synuclein promotes neurodegeneration characterized by a distinct transcriptional program in vivo. <i>Glia</i> , 2019, 67, 1933-1957.	2.5	27
136	Imidazoline 2 binding sites reflecting astroglia pathology in Parkinson's disease: an in vivo $^{11}\text{C}$ -BU99008 PET study. <i>Brain</i> , 2019, 142, 3116-3128.	3.7	73
137	Lysosomes as a therapeutic target. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 923-948.	21.5	413
138	<i>Lrrk2</i> alleles modulate inflammation during microbial infection of mice in a sex-dependent manner. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	67
139	How is $\alpha$ -synuclein cleared from the cell?. <i>Journal of Neurochemistry</i> , 2019, 150, 577-590.	2.1	113
140	Dysfunction of Cellular Proteostasis in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 457.	1.4	95
141	<i>Anxa2</i> and <i>Ctsd</i> knockout CHO cell lines to diminish the risk of contamination with host cell proteins. <i>Biotechnology Progress</i> , 2019, 35, e2820.	1.3	16
142	Lysosomal enzyme activities as possible CSF biomarkers of synucleinopathies. <i>Clinica Chimica Acta</i> , 2019, 495, 13-24.	0.5	18
143	Modeling neuronopathic storage diseases with patient-derived culture systems. <i>Neurobiology of Disease</i> , 2019, 127, 147-162.	2.1	14
144	VPS35-Based Approach: A Potential Innovative Treatment in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1272.	1.1	23
145	The effect of mutant GBA1 on accumulation and aggregation of $\alpha$ -synuclein. <i>Human Molecular Genetics</i> , 2019, 28, 1768-1781.	1.4	34

#	ARTICLE	IF	CITATIONS
146	LRRK2 inhibition prevents endolysosomal deficits seen in human Parkinson's disease. <i>Neurobiology of Disease</i> , 2020, 134, 104626.	2.1	73
147	The Vicious Cycle Between $\alpha$ -Synuclein Aggregation and Autophagic-Lysosomal Dysfunction. <i>Movement Disorders</i> , 2020, 35, 34-44.	2.2	77
148	Glucocerebrosidase activity, cathepsin D and monomeric $\alpha$ -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
149	The contribution of multicellular model organisms to neuronal ceroid lipofuscinosis research. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165614.	1.8	22
150	Mitochondria-Lysosome Crosstalk: From Physiology to Neurodegeneration. <i>Trends in Molecular Medicine</i> , 2020, 26, 71-88.	3.5	165
151	Alpha Synuclein Connects the Gut-Brain Axis in Parkinson's Disease Patients - A View on Clinical Aspects, Cellular Pathology and Analytical Methodology. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573696.	1.8	43
152	Toxic Metamorphosis-How Changes from Lysosomal to Cytosolic pH Modify the Alpha-Synuclein Aggregation Pattern. <i>Biomacromolecules</i> , 2020, 21, 4673-4684.	2.6	14
153	Current Evidence for a Bidirectional Loop Between the Lysosome and Alpha-Synuclein Proteoforms. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 598446.	1.8	18
154	The Emerging Role of the Lysosome in Parkinson's Disease. <i>Cells</i> , 2020, 9, 2399.	1.8	63
155	The Parkinson's Disease Protein LRRK2 Interacts with the GARP Complex to Promote Retrograde Transport to the trans-Golgi Network. <i>Cell Reports</i> , 2020, 31, 107614.	2.9	49
156	Synucleinopathies: Where we are and where we need to go. <i>Journal of Neurochemistry</i> , 2020, 153, 433-454.	2.1	62
157	The biochemical basis of interactions between Glucocerebrosidase and alpha-synuclein in GBA1 mutation carriers. <i>Journal of Neurochemistry</i> , 2020, 154, 11-24.	2.1	10
158	Protein Quality Control Pathways at the Crossroad of Synucleinopathies. <i>Journal of Parkinson's Disease</i> , 2020, 10, 369-382.	1.5	21
159	The function of lysosomes and their role in Parkinson's disease. <i>Neuroforum</i> , 2020, 26, 43-51.	0.2	2
160	Pathways of protein synthesis and degradation in PD pathogenesis. <i>Progress in Brain Research</i> , 2020, 252, 217-270.	0.9	5
161	Identification of BAG2 and Cathepsin D as Plasma Biomarkers for Parkinson's Disease. <i>Clinical and Translational Science</i> , 2021, 14, 606-616.	1.5	16
162	Formation of retromer transport carriers is disrupted by the Parkinson disease-linked Vps35 D620N variant. <i>Traffic</i> , 2021, 22, 123-136.	1.3	21
163	Lipids, lysosomes and mitochondria: insights into Lewy body formation from rare monogenic disorders. <i>Acta Neuropathologica</i> , 2021, 141, 511-526.	3.9	31

#	ARTICLE	IF	CITATIONS
164	Putative second hit rare genetic variants in families with seemingly GBA-associated Parkinson's disease. <i>Npj Genomic Medicine</i> , 2021, 6, 2.	1.7	11
165	A Proteomics Analysis of Calmodulin-Binding Proteins in <i>Dictyostelium discoideum</i> during the Transition from Unicellular Growth to Multicellular Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1722.	1.8	0
166	Cathepsin D Variants Associated With Neurodegenerative Diseases Show Dysregulated Functionality and Modified $\alpha$ -Synuclein Degradation Properties. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 581805.	1.8	27
167	Rheumatoid arthritis decreases risk for Parkinson's disease: a Mendelian randomization study. <i>Npj Parkinson's Disease</i> , 2021, 7, 17.	2.5	28
168	Proteolytic $\alpha$ -Synuclein Cleavage in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5450.	1.8	15
169	Neurodegenerative Disease Risk in Carriers of Autosomal Recessive Disease. <i>Frontiers in Neurology</i> , 2021, 12, 679927.	1.1	6
170	Targeting of Lysosomal Pathway Genes for Parkinson's Disease Modification: Insights From Cellular and Animal Models. <i>Frontiers in Neurology</i> , 2021, 12, 681369.	1.1	10
171	Molecular Communication Between Neuronal Networks and Intestinal Epithelial Cells in Gut Inflammation and Parkinson's Disease. <i>Frontiers in Medicine</i> , 2021, 8, 655123.	1.2	11
172	Exploring the Role of Autophagy Dysfunction in Neurodegenerative Disorders. <i>Molecular Neurobiology</i> , 2021, 58, 4886-4905.	1.9	18
173	Alpha-Synuclein and the Endolysosomal System in Parkinson's Disease: Guilty by Association. <i>Biomolecules</i> , 2021, 11, 1333.	1.8	21
174	Cathepsins in neuronal plasticity. <i>Neural Regeneration Research</i> , 2021, 16, 26.	1.6	18
175	Cathepsin D in the Tumor Microenvironment of Breast and Ovarian Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1259, 1-16.	0.8	17
176	Cathepsins: Getting in Shape for Lysosomal Proteolysis. , 2013, , 127-173.		7
177	Neuropathology of Movement Disorders. , 2011, , 871-898.		2
178	The possible involvement of mitochondrial dysfunctions in Lewy body dementia: a systematic review. <i>Functional Neurology</i> , 2015, 30, 151-8.	1.3	18
179	Genetic Regulation of $\alpha$ -Synuclein mRNA Expression in Various Human Brain Tissues. <i>PLoS ONE</i> , 2009, 4, e7480.	1.1	77
180	Proteolytic Characteristics of Cathepsin D Related to the Recognition and Cleavage of Its Target Proteins. <i>PLoS ONE</i> , 2013, 8, e65733.	1.1	36
181	Yeast as a tool to explore cathepsin D function. <i>Microbial Cell</i> , 2015, 2, 225-234.	1.4	8

#	ARTICLE	IF	CITATIONS
182	Evidence Linking Protein Misfolding to Quality Control in Progressive Neurodegenerative Diseases. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2025-2043.	1.0	18
183	Alpha-synuclein truncation and disease. <i>Health</i> , 2012, 04, 1167-1177.	0.1	6
184	Proteolytic truncation of human transthyretin linked to amyloidosis is mediated by a trypsin like enzyme: In vitro demonstration using model peptides. <i>Biochemical Compounds</i> , 2016, 4, 5.	0.7	0
185	Genes involved in the development of Parkinson. , 2017, 1, 039-051.		1
186	Disease-specific glycosaminoglycan patterns in the extracellular matrix of human lung and brain. <i>Carbohydrate Research</i> , 2022, 511, 108480.	1.1	5
187	Glycosphingolipid metabolism and its role in ageing and Parkinson's disease. <i>Glycoconjugate Journal</i> , 2022, 39, 39-53.	1.4	18
188	The regulatory mechanism between lysosomes and mitochondria in the aetiology of cardiovascular diseases. <i>Acta Physiologica</i> , 2022, 234, e13757.	1.8	5
189	Progranulin as a therapeutic target in neurodegenerative diseases. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 641-652.	4.0	72
190	A Matrigel-based 3D construct of SH-SY5Y cells models the $\alpha$ -synuclein pathologies of Parkinson's disease. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	8
191	Potential Tear Biomarkers for the Diagnosis of Parkinson's Disease" A Pilot Study. <i>Proteomes</i> , 2022, 10, 4.	1.7	8
192	Lysosomal peptidases" intriguing roles in cancer progression and neurodegeneration. <i>FEBS Open Bio</i> , 2022, , .	1.0	9
193	Neuroinflammation in Gaucher disease, neuronal ceroid lipofuscinosis, and commonalities with Parkinson's disease. <i>Brain Research</i> , 2022, 1780, 147798.	1.1	8
194	Mass spectrometry-based proteomics in neurodegenerative lysosomal storage disorders. <i>Molecular Omics</i> , 2022, 18, 256-278.	1.4	3
195	Recombinant pro-CTSD (cathepsin D) enhances SNCA/ $\alpha$ -Synuclein degradation in $\alpha$ -Synucleinopathy models. <i>Autophagy</i> , 2022, 18, 1127-1151.	4.3	20
196	Cathepsin D as biomarker in cerebrospinal fluid of nusinersen-treated patients with spinal muscular atrophy. <i>European Journal of Neurology</i> , 2022, 29, 2084-2096.	1.7	13
197	The role of lysosomal cathepsins in neurodegeneration: Mechanistic insights, diagnostic potential and therapeutic approaches. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119243.	1.9	26
198	VPS35, the core component of the retromer complex, and Parkinson's disease. , 2021, 7, 318-324.		2
200	The Role of Extracellular Matrix Components in the Spreading of Pathological Protein Aggregates. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 844211.	1.8	7

#	ARTICLE	IF	CITATIONS
201	Safeguarding Lysosomal Homeostasis by DNAJC5/CSP $\alpha$ -Mediated Unconventional Protein Secretion and Endosomal Microautophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	3
202	<i>C9ORF72</i> -derived poly-GA DPRs undergo endocytic uptake in Astrocytes and spread to motor neurons. <i>Life Science Alliance</i> , 2022, 5, e202101276.	1.3	6
203	Alpha-Synuclein Aggregation Pathway in Parkinson's Disease: Current Status and Novel Therapeutic Approaches. <i>Cells</i> , 2022, 11, 1732.	1.8	37
204	Novel molecular targets and mechanisms for neuroprotective modulation in neurodegenerative disorders. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2022, 22, .	0.5	1
205	Parkinson's disease-risk protein TMEM175 is a proton-activated proton channel in lysosomes. <i>Cell</i> , 2022, 185, 2292-2308.e20.	13.5	69
206	Restoration of Cathepsin D Level via L-Serine Attenuates PPA-Induced Lysosomal Dysfunction in Neuronal Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10613.	1.8	3
208	Saposin C, Key Regulator in the Alpha-Synuclein Degradation Mediated by Lysosome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12004.	1.8	0
209	Inflammatory rheumatic diseases and the risk of Parkinson's disease: A systematic review and meta-analysis. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	2
210	From Lysosomal Storage Disorders to Parkinson's Disease – Challenges and Opportunities. <i>Journal of Molecular Biology</i> , 2023, 435, 167932.	2.0	3
211	Role of Ceramides and Sphingolipids in Parkinson's Disease. <i>Journal of Molecular Biology</i> , 2023, 435, 168000.	2.0	4
212	Role of VPS39, a key tethering protein for endolysosomal trafficking and mitochondria-lysosome crosstalk, in health and disease. <i>Journal of Cellular Biochemistry</i> , 0, , .	1.2	1
218	Stages, pathogenesis, clinical management and advancements in therapies of age-related macular degeneration. <i>International Ophthalmology</i> , 2023, 43, 3891-3909.	0.6	1
221	Protein-Protein Interactions in Neurodegenerative Diseases. , 2023, , 101-169.		0
226	The Mechanistic Approach Involved in the Progression of Neurodegenerative Disorders. , 2023, , 33-56.		0