

# Wei-Dong Le

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1177360/wei-dong-le-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215  
papers

13,270  
citations

54  
h-index

110  
g-index

232  
ext. papers

15,297  
ext. citations

5.7  
avg, IF

6.77  
L-index

#	Paper	IF	Citations
215	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.	14.2	2783
214	Differential Roles of M1 and M2 Microglia in Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 1181-1194	6.2	908
213	The role of autophagy-lysosome pathway in neurodegeneration associated with Parkinson's disease. <i>Brain</i> , <b>2008</b> , 131, 1969-78	11.2	427
212	Mutations in NR4A2 associated with familial Parkinson disease. <i>Nature Genetics</i> , <b>2003</b> , 33, 85-9	36.3	383
211	Resveratrol-activated AMPK/SIRT1/autophagy in cellular models of Parkinson's disease. <i>NeuroSignals</i> , <b>2011</b> , 19, 163-74	1.9	341
210	Rapamycin treatment augments motor neuron degeneration in SOD1(G93A) mouse model of amyotrophic lateral sclerosis. <i>Autophagy</i> , <b>2011</b> , 7, 412-25	10.2	279
209	Microglial activation and dopaminergic cell injury: an in vitro model relevant to Parkinson's disease. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 8447-55	6.6	225
208	Genetics of amyotrophic lateral sclerosis: an update. <i>Molecular Neurodegeneration</i> , <b>2013</b> , 8, 28	19	208
207	Clinical correlates of 6-hydroxydopamine injections into A11 dopaminergic neurons in rats: a possible model for restless legs syndrome. <i>Movement Disorders</i> , <b>2000</b> , 15, 154-8	7	206
206	MTOR-independent, autophagic enhancer trehalose prolongs motor neuron survival and ameliorates the autophagic flux defect in a mouse model of amyotrophic lateral sclerosis. <i>Autophagy</i> , <b>2014</b> , 10, 588-602	10.2	181
205	Neuroprotection of rapamycin in lactacystin-induced neurodegeneration via autophagy enhancement. <i>Neurobiology of Disease</i> , <b>2008</b> , 32, 16-25	7.5	171
204	Neuroprotective effects and mechanisms of exercise in a chronic mouse model of Parkinson's disease with moderate neurodegeneration. <i>European Journal of Neuroscience</i> , <b>2011</b> , 33, 1264-74	3.5	170
203	Hypoxia increases Abeta generation by altering beta- and gamma-cleavage of APP. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 1091-8	5.6	165
202	(-)-Epigallocatechin gallate inhibits lipopolysaccharide-induced microglial activation and protects against inflammation-mediated dopaminergic neuronal injury. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 78, 723-31	4.4	160
201	Nurr1 in Parkinson's disease and related disorders. <i>Journal of Comparative Neurology</i> , <b>2006</b> , 494, 495-514.	3.4	155
200	Altered macroautophagy in the spinal cord of SOD1 mutant mice. <i>Autophagy</i> , <b>2008</b> , 4, 290-3	10.2	148
199	Autophagy in neurodegenerative diseases: pathogenesis and therapy. <i>Brain Pathology</i> , <b>2018</b> , 28, 3-13	6	146

198	Iron dysregulation in movement disorders. <i>Neurobiology of Disease</i> , <b>2012</b> , 46, 1-18	7.5	129
197	Protective role of heme oxygenase-1 in oxidative stress-induced neuronal injury. <i>Journal of Neuroscience Research</i> , <b>1999</b> , 56, 652-8	4.4	126
196	Pathological role of hypoxia in Alzheimer's disease. <i>Experimental Neurology</i> , <b>2010</b> , 223, 299-303	5.7	121
195	Prevention and restoration of lactacystin-induced nigrostriatal dopamine neuron degeneration by novel brain-permeable iron chelators. <i>FASEB Journal</i> , <b>2007</b> , 21, 3835-44	0.9	120
194	Autophagy dysregulation in amyotrophic lateral sclerosis. <i>Brain Pathology</i> , <b>2012</b> , 22, 110-6	6	118
193	miR-132 regulates the differentiation of dopamine neurons by directly targeting Nurr1 expression. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 1673-82	5.3	116
192	Selective agenesis of mesencephalic dopaminergic neurons in Nurr1-deficient mice. <i>Experimental Neurology</i> , <b>1999</b> , 159, 451-8	5.7	111
191	Preclinical biomarkers of Parkinson disease. <i>Archives of Neurology</i> , <b>2011</b> , 68, 22-30		108
190	Autophagy enhancer carbamazepine alleviates memory deficits and cerebral amyloid- $\beta$ pathology in a mouse model of Alzheimer's disease. <i>Current Alzheimer Research</i> , <b>2013</b> , 10, 433-41	3	107
189	Age-dependent dopaminergic dysfunction in Nurr1 knockout mice. <i>Experimental Neurology</i> , <b>2005</b> , 191, 154-62	5.7	105
188	Graphene oxide promotes the differentiation of mouse embryonic stem cells to dopamine neurons. <i>Nanomedicine</i> , <b>2014</b> , 9, 2445-55	5.6	103
187	Neuroprotective effects of (-)-epigallocatechin-3-gallate in a transgenic mouse model of amyotrophic lateral sclerosis. <i>Neurochemical Research</i> , <b>2006</b> , 31, 1263-9	4.6	100
186	Dopamine D3 receptor-preferring agonists induce neurotrophic effects on mesencephalic dopamine neurons. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 2422-30	3.5	100
185	Decreased NURR1 gene expression in patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , <b>2008</b> , 273, 29-33	3.2	99
184	Potential therapeutic properties of green tea polyphenols in Parkinson's disease. <i>Drugs and Aging</i> , <b>2003</b> , 20, 711-21	4.7	96
183	Estrogen provides neuroprotection against activated microglia-induced dopaminergic neuronal injury through both estrogen receptor-alpha and estrogen receptor-beta in microglia. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 81, 653-65	4.4	89
182	Recent advances and perspectives of metabolomics-based investigations in Parkinson's disease. <i>Molecular Neurodegeneration</i> , <b>2019</b> , 14, 3	19	87
181	Neuroprotection of deferoxamine on rotenone-induced injury via accumulation of HIF-1 alpha and induction of autophagy in SH-SY5Y cells. <i>Neurochemistry International</i> , <b>2010</b> , 57, 198-205	4.4	83

180	Modeling neurodegenerative diseases in <i>Caenorhabditis elegans</i> . <i>Experimental Neurology</i> , <b>2013</b> , 250, 94-103	5.7	82
179	Hypoxia-induced down-regulation of neprilysin by histone modification in mouse primary cortical and hippocampal neurons. <i>PLoS ONE</i> , <b>2011</b> , 6, e19229	3.7	79
178	Long-term treatment with lithium alleviates memory deficits and reduces amyloid- $\beta$ production in an aged Alzheimer's disease transgenic mouse model. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 24, 739-49	4.3	76
177	Neuroprotection by iron chelator against proteasome inhibitor-induced nigral degeneration. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 333, 544-9	3.4	75
176	Pitx3 is a critical mediator of GDNF-induced BDNF expression in nigrostriatal dopaminergic neurons. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12802-15	6.6	74
175	Acute Hypoxia Induced an Imbalanced M1/M2 Activation of Microglia through NF- $\kappa$ B Signaling in Alzheimer's Disease Mice and Wild-Type Littermates. <i>Frontiers in Aging Neuroscience</i> , <b>2017</b> , 9, 282	5.3	73
174	Proteasome inhibition modeling nigral neuron degeneration in Parkinson's disease. <i>Journal of Neurochemistry</i> , <b>2010</b> , 115, 188-99	6	73
173	Prevention of motor neuron degeneration by novel iron chelators in SOD1(G93A) transgenic mice of amyotrophic lateral sclerosis. <i>Neurodegenerative Diseases</i> , <b>2011</b> , 8, 310-21	2.3	70
172	Nurr1-Based Therapies for Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , <b>2016</b> , 22, 351-9	6.8	69
171	Animal models of Parkinson's disease: a gateway to therapeutics?. <i>Neurotherapeutics</i> , <b>2014</b> , 11, 92-110	6.4	67
170	Role of autophagy in the pathogenesis of multiple sclerosis. <i>Neuroscience Bulletin</i> , <b>2015</b> , 31, 435-44	4.3	65
169	Folic acid protects motor neurons against the increased homocysteine, inflammation and apoptosis in SOD1 G93A transgenic mice. <i>Neuropharmacology</i> , <b>2008</b> , 54, 1112-9	5.5	64
168	An insight into the mechanistic role of p53-mediated autophagy induction in response to proteasomal inhibition-induced neurotoxicity. <i>Autophagy</i> , <b>2009</b> , 5, 663-75	10.2	62
167	Protective Microglia and Their Regulation in Parkinson's Disease. <i>Frontiers in Molecular Neuroscience</i> , <b>2016</b> , 9, 89	6.1	61
166	Etiopathogenesis of Parkinson disease: a new beginning?. <i>Neuroscientist</i> , <b>2009</b> , 15, 28-35	7.6	60
165	Are dopamine receptor agonists neuroprotective in Parkinson's disease?. <i>Drugs and Aging</i> , <b>2001</b> , 18, 389-96	4.6	60
164	Activation of DRD5 (dopamine receptor D5) inhibits tumor growth by autophagic cell death. <i>Autophagy</i> , <b>2017</b> , 13, 1404-1419	10.2	58
163	Autophagy dysfunction in Alzheimer's disease. <i>Neurodegenerative Diseases</i> , <b>2010</b> , 7, 265-71	2.3	57

162	Nanomaterials modulate stem cell differentiation: biological interaction and underlying mechanisms. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 75	9.4	55
161	Molecular network of neuronal autophagy in the pathophysiology and treatment of depression. <i>Neuroscience Bulletin</i> , <b>2015</b> , 31, 427-34	4.3	52
160	Critical role of Tet3 in neural progenitor cell maintenance and terminal differentiation. <i>Molecular Neurobiology</i> , <b>2015</b> , 51, 142-54	6.2	52
159	Comparison of neuroprotective and neurorestorative capabilities of rasagiline and selegiline against lactacystin-induced nigrostriatal dopaminergic degeneration. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 1970-8	6	52
158	Resveratrol ameliorates motor neuron degeneration and improves survival in SOD1(G93A) mouse model of amyotrophic lateral sclerosis. <i>BioMed Research International</i> , <b>2014</b> , 2014, 483501	3	50
157	Antibodies from patients with Parkinson's disease react with protein modified by dopamine oxidation. <i>Journal of Neuroscience Research</i> , <b>1998</b> , 53, 551-8	4.4	50
156	Induced pluripotent stem cells in Alzheimer's disease: applications for disease modeling and cell-replacement therapy. <i>Molecular Neurodegeneration</i> , <b>2016</b> , 11, 39	19	48
155	Chronic Sleep Deprivation Exacerbates Learning-Memory Disability and Alzheimer's Disease-Like Pathologies in APP(swe)/PS1(E9) Mice. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 50, 669-85	4.3	48
154	Genetic iron chelation protects against proteasome inhibition-induced dopamine neuron degeneration. <i>Neurobiology of Disease</i> , <b>2010</b> , 37, 307-13	7.5	47
153	Retinal pigment epithelial cells secrete neurotrophic factors and synthesize dopamine: possible contribution to therapeutic effects of RPE cell transplantation in Parkinson's disease. <i>Journal of Translational Medicine</i> , <b>2009</b> , 7, 53	8.5	46
152	Prenatal hypoxia may aggravate the cognitive impairment and Alzheimer's disease neuropathology in APPSwe/PS1A246E transgenic mice. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 663-78	5.6	45
151	D2/D3 receptor agonist ropinirole protects dopaminergic cell line against rotenone-induced apoptosis through inhibition of caspase- and JNK-dependent pathways. <i>FEBS Letters</i> , <b>2008</b> , 582, 603-10	3.8	44
150	Potential biomarkers of Parkinson's disease revealed by plasma metabolic profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1081-1082, 101-108	3.2	43
149	Effects of cerebrospinal fluid from patients with Parkinson disease on dopaminergic cells. <i>Archives of Neurology</i> , <b>1999</b> , 56, 194-200		43
148	The role of transcription factor Pitx3 in dopamine neuron development and Parkinson's disease. <i>Current Topics in Medicinal Chemistry</i> , <b>2009</b> , 9, 855-9	3	43
147	Beta-amyloid-induced neurotoxicity of a hybrid septal cell line associated with increased tau phosphorylation and expression of beta-amyloid precursor protein. <i>Journal of Neurochemistry</i> , <b>1997</b> , 69, 978-85	6	42
146	Autophagy and Ubiquitin-Proteasome System. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1206, 527-550	3.6	40
145	Current Pharmaceutical Treatments and Alternative Therapies of Parkinson's Disease. <i>Current Neuropharmacology</i> , <b>2016</b> , 14, 339-55	7.6	40

144	Novel D3 dopamine receptor-preferring agonist D-264: Evidence of neuroprotective property in Parkinson's disease animal models induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and lactacystin. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 2513-23	4.4	39
143	Are heat shock proteins therapeutic target for Parkinson's disease?. <i>International Journal of Biological Sciences</i> , <b>2006</b> , 3, 20-6	11.2	39
142	Stem cell transplantation: a promising therapy for Parkinson's disease. <i>Journal of NeuroImmune Pharmacology</i> , <b>2007</b> , 2, 243-50	6.9	39
141	Olfactory dysfunction and neurotransmitter disturbance in olfactory bulb of transgenic mice expressing human A53T mutant $\beta$ synuclein. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119928	3.7	38
140	Chronic hypoxia facilitates Alzheimer's disease through demethylation of $\beta$ secretase by downregulating DNA methyltransferase 3b. <i>Alzheimer's and Dementia</i> , <b>2016</b> , 12, 130-143	1.2	37
139	Neuroprotection of pramipexole in UPS impairment induced animal model of Parkinson's disease. <i>Neurochemical Research</i> , <b>2010</b> , 35, 1546-56	4.6	37
138	Histone deacetylase 6 regulates cytotoxic $\beta$ synuclein accumulation through induction of the heat shock response. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2316-28	5.6	36
137	ATP depletion is the major cause of MPP+ induced dopamine neuronal death and worm lethality in alpha-synuclein transgenic <i>C. elegans</i> . <i>Neuroscience Bulletin</i> , <b>2007</b> , 23, 329-35	4.3	36
136	Biological effects of pramipexole on dopaminergic neuron-associated genes: relevance to neuroprotection. <i>Neuroscience Letters</i> , <b>2005</b> , 377, 106-9	3.3	36
135	Exercise and Parkinson's disease. <i>International Review of Neurobiology</i> , <b>2019</b> , 147, 45-74	4.4	35
134	Valproic acid reduces neuritic plaque formation and improves learning deficits in APP(Swe)/PS1(A246E) transgenic mice via preventing the prenatal hypoxia-induced down-regulation of neprilysin. <i>CNS Neuroscience and Therapeutics</i> , <b>2014</b> , 20, 209-17	6.8	35
133	Adaptive changes in autophagy after UPS impairment in Parkinson's disease. <i>Acta Pharmacologica Sinica</i> , <b>2013</b> , 34, 667-73	8	35
132	Multiple molecular pathways are involved in the neuroprotection of GDNF against proteasome inhibitor induced dopamine neuron degeneration in vivo. <i>Experimental Biology and Medicine</i> , <b>2008</b> , 233, 881-90	3.7	35
131	Nanomaterial-modulated autophagy: underlying mechanisms and functional consequences. <i>Nanomedicine</i> , <b>2016</b> , 11, 1417-30	5.6	35
130	Neuroprotective therapy in Parkinson disease. <i>American Journal of Therapeutics</i> , <b>2006</b> , 13, 445-57	1	34
129	(-)-Epigallocatechin gallate regulates dopamine transporter internalization via protein kinase C-dependent pathway. <i>Brain Research</i> , <b>2006</b> , 1097, 85-9	3.7	33
128	Early pathogenic event of Alzheimer's disease documented in iPSCs from patients with PSEN1 mutations. <i>Oncotarget</i> , <b>2017</b> , 8, 7900-7913	3.3	32
127	Rapid Eye Movement Sleep Behavior Disorder and Neurodegenerative Diseases: An Update <b>2020</b> , 11, 315-326		31

126	The recommendations of Chinese Parkinson's disease and movement disorder society consensus on therapeutic management of Parkinson's disease. <i>Translational Neurodegeneration</i> , <b>2016</b> , 5, 12	10.3	31
125	Hyposmia: a possible biomarker of Parkinson's disease. <i>Neuroscience Bulletin</i> , <b>2014</b> , 30, 134-40	4.3	31
124	Suppression of mTOR pathway and induction of autophagy-dependent cell death by cabergoline. <i>Oncotarget</i> , <b>2015</b> , 6, 39329-41	3.3	30
123	Suppression of histone deacetylation promotes the differentiation of human pluripotent stem cells towards neural progenitor cells. <i>BMC Biology</i> , <b>2014</b> , 12, 95	7.3	29
122	Pitx3-transfected astrocytes secrete brain-derived neurotrophic factor and glial cell line-derived neurotrophic factor and protect dopamine neurons in mesencephalon cultures. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 3393-400	4.4	29
121	Overexpression of pitx3 upregulates expression of BDNF and GDNF in SH-SY5Y cells and primary ventral mesencephalic cultures. <i>FEBS Letters</i> , <b>2007</b> , 581, 1357-61	3.8	29
120	Nigral damage and dopaminergic hypofunction in mesencephalon-immunized guinea pigs. <i>Annals of Neurology</i> , <b>1992</b> , 32, 494-501	9.4	29
119	Can Biomarkers Help the Early Diagnosis of Parkinson's Disease?. <i>Neuroscience Bulletin</i> , <b>2017</b> , 33, 535-542	4.3	29
118	Role of iron in UPS impairment model of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2014</b> , 20 Suppl 1, S158-61	3.6	27
117	Nurr1 expression and its modulation in microglia. <i>NeuroImmunoModulation</i> , <b>2009</b> , 16, 162-70	2.5	27
116	Mutant genes responsible for Parkinson's disease. <i>Current Opinion in Pharmacology</i> , <b>2004</b> , 4, 79-84	5.1	27
115	Nitric oxide mediates increased susceptibility to dopaminergic damage in Nurr1 heterozygous mice. <i>FASEB Journal</i> , <b>2005</b> , 19, 1441-50	0.9	27
114	Piperine attenuates cognitive impairment in an experimental mouse model of sporadic Alzheimer's disease. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 70, 147-155	6.3	26
113	Chronic Hypoxia-Induced Autophagy Aggravates the Neuropathology of Alzheimer's Disease through AMPK-mTOR Signaling in the APPSwe/PS1dE9 Mouse Model. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 48, 1019-32	4.3	26
112	Alteration in sleep architecture and electroencephalogram as an early sign of Alzheimer's disease preceding the disease pathology and cognitive decline. <i>Alzheimer's and Dementia</i> , <b>2019</b> , 15, 590-597	1.2	26
111	Altered Expression Levels of MicroRNA-132 and Nurr1 in Peripheral Blood of Parkinson's Disease: Potential Disease Biomarkers. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 2243-2249	5.7	26
110	Biomarkers for Parkinson's Disease: How Good Are They?. <i>Neuroscience Bulletin</i> , <b>2020</b> , 36, 183-194	4.3	26
109	Therapies for Parkinson's diseases: alternatives to current pharmacological interventions. <i>Journal of Neural Transmission</i> , <b>2016</b> , 123, 1279-1299	4.3	25

108	Anti-parkinsonian effects of Nurr1 activator in ubiquitin-proteasome system impairment induced animal model of Parkinson's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 768-73	2.6	24
107	Pathological Impacts of Chronic Hypoxia on Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 902-909	5.7	24
106	Nurr1 regulates Top III and functions in axon genesis of mesencephalic dopaminergic neurons. <i>Molecular Neurodegeneration</i> , <b>2012</b> , 7, 4	19	23
105	Proteasome inhibitor lactacystin disturbs the intracellular calcium homeostasis of dopamine neurons in ventral mesencephalic cultures. <i>Neurochemistry International</i> , <b>2007</b> , 50, 959-65	4.4	23
104	n-butylidenephthalide treatment prolongs life span and attenuates motor neuron loss in SOD1 mouse model of amyotrophic lateral sclerosis. <i>CNS Neuroscience and Therapeutics</i> , <b>2017</b> , 23, 375-385	6.8	22
103	Autophagy is involved in oral rAAV/Aβ vaccine-induced Aβ clearance in APP/PS1 transgenic mice. <i>Neuroscience Bulletin</i> , <b>2015</b> , 31, 491-504	4.3	22
102	Human superoxide dismutase 1 overexpression in motor neurons of <i>Caenorhabditis elegans</i> causes axon guidance defect and neurodegeneration. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 837-46	5.6	22
101	c-Jun N-terminal kinase mediates lactacystin-induced dopamine neuron degeneration. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2008</b> , 67, 933-44	3.1	22
100	Dynamic changes of CX3CL1/CX3CR1 axis during microglial activation and motor neuron loss in the spinal cord of ALS mouse model. <i>Translational Neurodegeneration</i> , <b>2018</b> , 7, 35	10.3	22
99	Gold nanoparticles enhance the differentiation of embryonic stem cells into dopaminergic neurons via mTOR/p70S6K pathway. <i>Nanomedicine</i> , <b>2017</b> , 12, 1305-1317	5.6	21
98	Tiny But Mighty: Promising Roles of MicroRNAs in the Diagnosis and Treatment of Parkinson's Disease. <i>Neuroscience Bulletin</i> , <b>2017</b> , 33, 543-551	4.3	21
97	A mechanistic study of proteasome inhibition-induced iron misregulation in dopamine neuron degeneration. <i>NeuroSignals</i> , <b>2012</b> , 20, 223-36	1.9	21
96	Glioblastoma: Targeting the autophagy in tumorigenesis. <i>Brain Research Bulletin</i> , <b>2019</b> , 153, 334-340	3.9	20
95	Distinct Connectivity and Functionality of Aldehyde Dehydrogenase 1a1-Positive Nigrostriatal Dopaminergic Neurons in Motor Learning. <i>Cell Reports</i> , <b>2019</b> , 28, 1167-1181.e7	10.6	20
94	Transcription factor PITX3 gene in Parkinson's disease. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 750-3	5.6	20
93	Mutation analysis of the parkin and PINK1 genes in American Caucasian early-onset Parkinson disease families. <i>Neuroscience Letters</i> , <b>2008</b> , 430, 18-22	3.3	20
92	Glial cell-derived neurotrophic factor protects against proteasome inhibition-induced dopamine neuron degeneration by suppression of endoplasmic reticulum stress and caspase-3 activation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2007</b> , 62, 943-50	6.4	20
91	miR-29 regulates Tet1 expression and contributes to early differentiation of mouse ESCs. <i>Oncotarget</i> , <b>2016</b> , 7, 64932-64941	3.3	20



90	Elevated Plasma microRNA-105-5p Level in Patients With Idiopathic Parkinson's Disease: A Potential Disease Biomarker. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 218	5.1	19
89	The function of DNA topoisomerase II $\beta$ in neuronal development. <i>Neuroscience Bulletin</i> , <b>2010</b> , 26, 411-6	4.3	19
88	Comprehensive metabolic profiling of Parkinson's disease by liquid chromatography-mass spectrometry. <i>Molecular Neurodegeneration</i> , <b>2021</b> , 16, 4	19	19
87	Histone deacetylase 6 delays motor neuron degeneration by ameliorating the autophagic flux defect in a transgenic mouse model of amyotrophic lateral sclerosis. <i>Neuroscience Bulletin</i> , <b>2015</b> , 31, 459-68	4.3	18
86	New therapeutics beyond amyloid- $\beta$ and tau for the treatment of Alzheimer's disease. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> , 42, 1382-1389	8	18
85	A Central Role for Phosphorylated p38 $\beta$ in Linking Proteasome Inhibition-Induced Apoptosis and Autophagy. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 7597-7609	6.2	18
84	Mutations in the glucocerebrosidase gene are responsible for Chinese patients with Parkinson's disease. <i>Journal of Human Genetics</i> , <b>2015</b> , 60, 85-90	4.3	18
83	Milestones of Parkinson's Disease Research: 200 Years of History and Beyond. <i>Neuroscience Bulletin</i> , <b>2017</b> , 33, 598-602	4.3	17
82	Mifepristone-inducible caspase-1 expression in mouse embryonic stem cells eliminates tumor formation but spares differentiated cells in vitro and in vivo. <i>Stem Cells</i> , <b>2012</b> , 30, 169-79	5.8	17
81	beta-Amyloid1-40 increases expression of beta-amyloid precursor protein in neuronal hybrid cells. <i>Journal of Neurochemistry</i> , <b>1995</b> , 65, 2373-6	6	17
80	Verapamil Ameliorates Motor Neuron Degeneration and Improves Lifespan in the SOD1 Mouse Model of ALS by Enhancing Autophagic Flux <b>2019</b> , 10, 1159-1173		16
79	Diagnostic accuracy of tablet-based software for the detection of concussion. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179352	3.52	15
78	Impacts of Acute Hypoxia on Alzheimer's Disease-Like Pathologies in APP/PS1 Mice and Their Wild Type Littermates. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 314	5.1	15
77	Systematic genetic analysis of the PITX3 gene in patients with Parkinson disease. <i>Movement Disorders</i> , <b>2011</b> , 26, 1729-32	7	15
76	ALDH1A1 regulates postsynaptic $\beta$ opioid receptor expression in dorsal striatal projection neurons and mitigates dyskinesia through transsynaptic retinoic acid signaling. <i>Scientific Reports</i> , <b>2019</b> , 9, 3602	4.9	14
75	Early diagnosis and therapy of Parkinson's disease: can disease progression be curbed?. <i>Journal of Neural Transmission</i> , <b>2013</b> , 120, 197-210	4.3	14
74	Pitx3 deficiency produces decreased dopamine signaling and induces motor deficits in Pitx3(-/-) mice. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 3314-3320	5.6	14
73	Repurposing carbamazepine for the treatment of amyotrophic lateral sclerosis in SOD1-G93A mouse model. <i>CNS Neuroscience and Therapeutics</i> , <b>2018</b> , 24, 1163-1174	6.8	13

72	Recent advances in microfluidic models for cancer metastasis research. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 105, 1-6	14.6	13
71	Epigenetic modifications of chronic hypoxia-mediated neurodegeneration in Alzheimer's disease. <i>Translational Neurodegeneration</i> , <b>2014</b> , 3, 7	10.3	13
70	Alteration of Metabolic Profile and Potential Biomarkers in the Plasma of Alzheimer's Disease <b>2020</b> , 11, 1459-1470		13
69	The missing link between sleep disorders and age-related dementia: recent evidence and plausible mechanisms. <i>Journal of Neural Transmission</i> , <b>2017</b> , 124, 559-568	4.3	12
68	Roles of VMP1 in Autophagy and ER-Membrane Contact: Potential Implications in Neurodegenerative Disorders. <i>Frontiers in Molecular Neuroscience</i> , <b>2020</b> , 13, 42	6.1	12
67	Graphene Oxide Nanocolloids Induce Autophagy-Lysosome Dysfunction in Mouse Embryonic Stem Cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2019</b> , 15, 340-351	4	11
66	G2019S LRRK2 and aging confer susceptibility to proteasome inhibitor-induced neurotoxicity in nigrostriatal dopaminergic system. <i>Journal of Neural Transmission</i> , <b>2015</b> , 122, 1645-57	4.3	11
65	Distinct disruptions in Land's cycle remodeling of glycerophosphocholines in murine cortex mark symptomatic onset and progression in two Alzheimer's disease mouse models. <i>Journal of Neurochemistry</i> , <b>2019</b> , 149, 499-517	6	11
64	Traditional Chinese medicine for dementia. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17, 1066-1071	1.2	11
63	Dopamine Agonists Exert Nurr1-inducing Effect in Peripheral Blood Mononuclear Cells of Patients with Parkinson's Disease. <i>Chinese Medical Journal</i> , <b>2015</b> , 128, 1755-60	2.9	10
62	Critical role of lysosome and its associated protein cathepsin D in manganese-induced toxicity in cultured midbrain astrocyte. <i>Neurochemistry International</i> , <b>2010</b> , 56, 291-300	4.4	10
61	Current experimental therapy for Alzheimer's disease. <i>Current Neuropharmacology</i> , <b>2007</b> , 5, 127-34	7.6	10
60	Alterations of and Cytokines in the Peripheral Blood Mononuclear Cells: Combined Biomarkers for Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 392	5.3	10
59	Research advances on L-DOPA-induced dyskinesia: from animal models to human disease. <i>Neurological Sciences</i> , <b>2020</b> , 41, 2055-2065	3.5	9
58	Parkinson's disease-related Leucine-rich repeat kinase 2 modulates nuclear morphology and genomic stability in striatal projection neurons during aging. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 12	19	9
57	Free radical scavenging activity and neuroprotective potentials of D138, one Cu(II)/Zn(II) Schiff-base complex derived from N,N'-bis(2-hydroxynaphthylmethylidene)-1,3-propanediamine. <i>Neurochemical Research</i> , <b>2014</b> , 39, 1834-44	4.6	9
56	Activation of dopamine receptor D1 inhibits glioblastoma tumorigenicity by regulating autophagic activity. <i>Cellular Oncology (Dordrecht)</i> , <b>2020</b> , 43, 1175-1190	7.2	9
55	Protective role of heme oxygenase-1 in oxidative stress-induced neuronal injury <b>1999</b> , 56, 652		9

54	Double-Edged Roles of Nitric Oxide Signaling on APP Processing and Amyloid- $\beta$ Production In Vitro: Preliminary Evidence from Sodium Nitroprusside. <i>Neurotoxicity Research</i> , <b>2016</b> , 29, 21-34	4.3	8
53	A quantitative approach to developing Parkinsonian monkeys ( <i>Macaca fascicularis</i> ) with intracerebroventricular 1-methyl-4-phenylpyridinium injections. <i>Journal of Neuroscience Methods</i> , <b>2015</b> , 251, 99-107	3	8
52	$\beta$ -Synuclein Negatively Regulates Nurr1 Expression Through NF- $\kappa$ B-Related Mechanism. <i>Frontiers in Molecular Neuroscience</i> , <b>2020</b> , 13, 64	6.1	8
51	Fingerprint analysis of Huolingshengji Formula and its neuroprotective effects in SOD1 mouse model of amyotrophic lateral sclerosis. <i>Scientific Reports</i> , <b>2018</b> , 8, 1668	4.9	8
50	Hyperbaric oxygen ameliorates cognitive impairment in patients with Alzheimer's disease and amnesic mild cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , <b>2020</b> , 6, e12030	6	7
49	Autophagy and Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1207, 3-19	3.6	7
48	Profiling Non-motor Symptoms in Monogenic Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 591183	5.3	7
47	Nurr1 conditional knockout mice display inflammatory injury to nigrostriatal dopaminergic neurons. <i>Glia</i> , <b>2020</b> , 68, 2057-2069	9	6
46	Clinical and radiological characteristics of restless legs syndrome following acute lacunar infarction. <i>Sleep Medicine</i> , <b>2019</b> , 53, 81-87	4.6	6
45	An insight review of autophagy biology and neurodegenerative diseases: machinery, mechanisms and regulation. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 1457-1459	8.5	6
44	The Role of Nanomaterials in Autophagy. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1206, 273-286	3.6	6
43	Recent Progress in Non-motor Features of Parkinson's Disease with a Focus on Circadian Rhythm Dysregulation. <i>Neuroscience Bulletin</i> , <b>2021</b> , 37, 1010-1024	4.3	6
42	Therapeutic effects of <i>hirsutiella sinensis</i> on the disease onset and progression of amyotrophic lateral sclerosis in SOD1 transgenic mouse model. <i>CNS Neuroscience and Therapeutics</i> , <b>2020</b> , 26, 90-100	6.8	6
41	HDAC6-mediated Hsp90 deacetylation reduces aggregation and toxicity of the protein alpha-synuclein by regulating chaperone-mediated autophagy. <i>Neurochemistry International</i> , <b>2021</b> , 149, 105141	4.4	6
40	A New VMAT-2 Inhibitor NBI-641449 in the Treatment of Huntington Disease. <i>CNS Neuroscience and Therapeutics</i> , <b>2015</b> , 21, 662-71	6.8	5
39	Essential role for autophagy protein VMP1 in maintaining neuronal homeostasis and preventing axonal degeneration. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 116	9.8	5
38	Hot Topics in Recent Parkinson's Disease Research: Where We are and Where We Should Go. <i>Neuroscience Bulletin</i> , <b>2021</b> , 37, 1735-1744	4.3	5
37	B-Cell Receptor-Associated Protein 31 Negatively Regulates the Expression of Monoamine Oxidase A R1. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 64	5.6	4

36	The SAX-3 receptor stimulates axon outgrowth and the signal sequence and transmembrane domain are critical for SAX-3 membrane localization in the PDE neuron of <i>C. elegans</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e65658	3-7	4
35	Neuroprotective effects of naturally sourced bioactive polysaccharides: an update.. <i>Neural Regeneration Research</i> , <b>2022</b> , 17, 1907-1912	4-5	4
34	Chronic sleep deprivation altered the expression of circadian clock genes and aggravated Alzheimer's disease neuropathology. <i>Brain Pathology</i> , <b>2021</b> , e13028	6	4
33	Neurogranin: A Potential Biomarker of Neurological and Mental Diseases. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 584743	5-3	4
32	Connectivity and Functionality of the Globus Pallidus Externa Under Normal Conditions and Parkinson's Disease. <i>Frontiers in Neural Circuits</i> , <b>2021</b> , 15, 645287	3-5	4
31	Correlation of Nr4a2 expression with the neuron progenitors in adult zebrafish brain. <i>Journal of Molecular Neuroscience</i> , <b>2013</b> , 51, 719-23	3-3	3
30	Intestinal Inflammation and Parkinson's Disease <b>2021</b> , 12, 2052-2068		3
29	βSynuclein Up-regulates Monoamine Oxidase A Expression and Activity Trans-Acting Transcription Factor 1. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 653379	5-3	3
28	Current Alzheimer disease research highlights: evidence for novel risk factors. <i>Chinese Medical Journal</i> , <b>2021</b> , 134, 2150-2159	2-9	3
27	Antibodies from patients with Parkinson's disease react with protein modified by dopamine oxidation <b>1998</b> , 53, 551		3
26	1-Methyl-4-phenylpyridinium stereotactic infusion completely and specifically ablated the nigrostriatal dopaminergic pathway in rhesus macaque. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127953	3-7	2
25	Role of Glia-Derived Extracellular Vesicles in Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 765395	5-3	2
24	Autophagy and Motor Neuron Diseases. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1207, 53-74	3-6	2
23	Good and Bad Microglia in Parkinson's Disease: An Understanding of Homeostatic Mechanisms in Immunomodulation <b>2014</b> , 105-126		2
22	Extended Study of Gene Variants in Parkinson's Disease. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 583182	4-1	2
21	Tetrahedral DNA nanostructures functionalized by multivalent microRNA132 antisense oligonucleotides promote the differentiation of mouse embryonic stem cells into dopaminergic neurons. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 34, 102375	6	2
20	Conditional deficiency of m6A methyltransferase Mettl14 in substantia nigra alters dopaminergic neuron function. <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> , 25, 8567-8572	5-6	2
19	Advances of terahertz technology in neuroscience: Current status and a future perspective.. <i>IScience</i> , <b>2021</b> , 24, 103548	6-1	2

18	Animal models of Parkinson's disease <b>2013</b> , 115-135		1
17	Activation of autophagy attenuates motor deficits and extends lifespan in a <i>C. elegans</i> model of ALS.. <i>Free Radical Biology and Medicine</i> , <b>2022</b> , 181, 52-61	7.8	1
16	Association Between Serum C1q Tumor Necrosis Factor-Related Protein 9 and the Clinical Characteristics and Prognosis of Ischemic Stroke. <i>Neurology and Therapy</i> , <b>2021</b> , 11, 87	4.6	1
15	Risk of ischemic stroke in patients with COVID-19 infection: A systematic review and meta-analysis.. <i>Brain Research Bulletin</i> , <b>2021</b> , 180, 31-37	3.9	1
14	Whole exome sequencing identified a new compound heterozygous PRKN mutation in a Chinese family with early-onset Parkinson's disease. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	1
13	A perspective on therapies for amyotrophic lateral sclerosis: can disease progression be curbed?. <i>Translational Neurodegeneration</i> , <b>2021</b> , 10, 29	10.3	1
12	Peripheral Clock System Abnormalities in Patients With Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 736026	5.3	1
11	Bone Marrow Stromal Cell Antigen 2: Is a Potential Neuroinflammation Biomarker of SOD1 Mouse Model of Amyotrophic Lateral Sclerosis in Pre-symptomatic Stage.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 788730	5.1	0
10	Factors Influencing Alzheimer's Disease Risk: Whether and How They are Related to the APOE Genotype.. <i>Neuroscience Bulletin</i> , <b>2022</b> , 1	4.3	0
9	The essential role of transcription factor Pitx3 in preventing mesodiencephalic dopaminergic neurodegeneration and maintaining neuronal subtype identities during aging. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 1008	9.8	0
8	Changes in electroencephalography and sleep architecture as potential electrical biomarkers for Alzheimer's disease. <i>Chinese Medical Journal</i> , <b>2021</b> , 134, 662-664	2.9	0
7	Association Between Plasma Apolipoprotein M With Alzheimer's Disease: A Cross-Sectional Pilot Study From China.. <i>Frontiers in Aging Neuroscience</i> , <b>2022</b> , 14, 838223	5.3	0
6	iPSCs from Alzheimer's disease patients display neuronal differentiation impairment of neural progenitor cells. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e038389	1.2	
5	Alteration of metabolic profile and potential biomarkers in the plasma of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e042799	1.2	
4	Hyperbaric oxygen ameliorates cognitive impairment in patients with Alzheimer's disease and amnesic mild cognitive impairment. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e042867	1.2	
3	Metabolomic Biomarkers in Parkinson's Disease. <i>NeuroMethods</i> , <b>2022</b> , 181-213	0.4	
2	LRRK2 G2019S mutation amplifies protein aggregate propagation. <i>Brain</i> , <b>2021</b> , 144, 1289-1290	11.2	
1	Abnormal Vacuole Membrane Protein-1 Expression in Parkinson's Disease Patients.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 760932	5.1	

