Ted M Dawson

List of Publications by Year
in descending order

401 papers	77,826 citations	419 132 h-index	529 266 g-index
472 all docs	472 docs citations	472 times ranked	66876 citing authors

#	Article	IF	Citations
1	Neurotoxic reactive astrocytes are induced by activated microglia. Nature, 2017, 541, 481-487.	27.8	4,977
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
3	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
4	Mediation of Poly(ADP-Ribose) Polymerase-1-Dependent Cell Death by Apoptosis-Inducing Factor. Science, 2002, 297, 259-263.	12.6	1,671
5	Molecular Pathways of Neurodegeneration in Parkinson's Disease. Science, 2003, 302, 819-822.	12.6	1,530
6	PINK1-dependent recruitment of Parkin to mitochondria in mitophagy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 378-383.	7.1	1,415
7	Nitric oxide synthase protein and mRNA are discretely localized in neuronal populations of the mammalian CNS together with NADPH diaphorase. Neuron, 1991, 7, 615-624.	8.1	1,390
8	Targeted disruption of the neuronal nitric oxide synthase gene. Cell, 1993, 75, 1273-1286.	28.9	1,323
9	MOLECULAR PATHOPHYSIOLOGY OF PARKINSON'S DISEASE. Annual Review of Neuroscience, 2005, 28, 57-87.	10.7	1,111
10	Parkinson's disease-associated mutations in leucine-rich repeat kinase 2 augment kinase activity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16842-16847.	7.1	1,084
11	Interference by Huntingtin and Atrophin-1 with CBP-Mediated Transcription Leading to Cellular Toxicity. Science, 2001, 291, 2423-2428.	12.6	1,035
12	Inducible nitric oxide synthase stimulates dopaminergic neurodegeneration in the MPTP model of Parkinson disease. Nature Medicine, 1999, 5, 1403-1409.	30.7	1,007
13	Poly(ADP-ribose) polymerase gene disruption renders mice resistant to cerebral ischemia. Nature Medicine, 1997, 3, 1089-1095.	30.7	1,002
14	Transneuronal Propagation of Pathologic Î±-Synuclein from the Gut to the Brain Models Parkinsonâ€™s Disease. Neuron, 2019, 103, 627-641.e7.	8.1	830
15	PARIS (ZNF746) Repression of PGC-1Î± Contributes to Neurodegeneration in Parkinson's Disease. Cell, 2011, 144, 689-702.	28.9	796
16	S-Nitrosylation of Parkin Regulates Ubiquitination and Compromises Parkin's Protective Function. Science, 2004, 304, 1328-1331.	12.6	736
17	Human Î±-synuclein-harboring familial Parkinson's disease-linked Ala-53 â†’ Thr mutation causes neurodegenerative disease with Î±-synuclein aggregation in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8968-8973.	7.1	730
18	Genetic Animal Models of Parkinson's Disease. Neuron, 2010, 66, 646-661.	8.1	714

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19	Block of A1 astrocyte conversion by microglia is neuroprotective in models of Parkinsonâ€™s disease. Nature Medicine, 2018, 24, 931-938.	30.7	712
20	Parkin ubiquitinates the Î±-synucleinâ€“interacting protein, synphilin-1: implications for Lewy-body formation in Parkinson disease. Nature Medicine, 2001, 7, 1144-1150.	30.7	710
21	Apoptosis-inducing factor mediates poly(ADP-ribose) (PAR) polymer-induced cell death. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18314-18319.	7.1	655
22	T cells from patients with Parkinsonâ€™s disease recognize Î±-synuclein peptides. Nature, 2017, 546, 656-661.	27.8	618
23	CHIP and Hsp70 regulate tau ubiquitination, degradation and aggregation. Human Molecular Genetics, 2004, 13, 703-714.	2.9	613
24	Behavioural abnormalities in male mice lacking neuronal nitric oxide synthase. Nature, 1995, 378, 383-386.	27.8	606
25	Kinase activity of mutant LRRK2 mediates neuronal toxicity. Nature Neuroscience, 2006, 9, 1231-1233.	14.8	587
26	Nitric Oxide Synthase in Models of Focal Ischemia. Stroke, 1997, 28, 1283-1288.	2.0	578
27	Poly(ADP-ribose) (PAR) polymer is a death signal. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18308-18313.	7.1	572
28	Diagnosis and treatment of Parkinson disease: molecules to medicine. Journal of Clinical Investigation, 2006, 116, 1744-1754.	8.2	538
29	Parkinson's disease-associated mutations in LRRK2 link enhanced GTP-binding and kinase activities to neuronal toxicity. Human Molecular Genetics, 2007, 16, 223-232.	2.9	535
30	Induction of nitric oxide synthase in demyelinating regions of multiple sclerosis brains. Annals of Neurology, 1994, 36, 778-786.	5.3	527
31	Pathological Î±-synuclein transmission initiated by binding lymphocyte-activation gene 3. Science, 2016, 353, .	12.6	521
32	Parkin Mediates Nonclassical, Proteasomal-Independent Ubiquitination of Synphilin-1: Implications for Lewy Body Formation. Journal of Neuroscience, 2005, 25, 2002-2009.	3.6	489
33	Widespread expression of Huntington's disease gene (IT15) protein product. Neuron, 1995, 14, 1065-1074.	8.1	485
34	Synphilin-1 associates with Î±-synuclein and promotes the formation of cytosolic inclusions. Nature Genetics, 1999, 22, 110-114.	21.4	473
35	Nitric oxide neurotoxicity. Journal of Chemical Neuroanatomy, 1996, 10, 179-190.	2.1	460
36	Pharmacological Rescue of Mitochondrial Deficits in iPSC-Derived Neural Cells from Patients with Familial Parkinsonâ€™s Disease. Science Translational Medicine, 2012, 4, 141ra90.	12.4	444

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37	Inducible expression of mutant alpha-synuclein decreases proteasome activity and increases sensitivity to mitochondria-dependent apoptosis. Human Molecular Genetics, 2001, 10, 919-926.	2.9	442
38	DJ-1 gene deletion reveals that DJ-1 is an atypical peroxiredoxin-like peroxidase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14807-14812.	7.1	435
39	Apoptosis-inducing factor is involved in the regulation of caspase-independent neuronal cell death. Journal of Cell Biology, 2002, 158, 507-517.	5.2	434
40	Parthanatos: mitochondrialâ€linked mechanisms and therapeutic opportunities. British Journal of Pharmacology, 2014, 171, 2000-2016.	5.4	432
41	Nuclear and mitochondrial conversations in cell death: PARP-1 and AIF signaling. Trends in Pharmacological Sciences, 2004, 25, 259-264.	8.7	423
42	Aggregation promoting C-terminal truncation of Î±-synuclein is a normal cellular process and is enhanced by the familial Parkinson's disease-linked mutations. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2162-2167.	7.1	405
43	Oxidative Stress and Genetics in the Pathogenesis of Parkinson's Disease. Neurobiology of Disease, 2000, 7, 240-250.	4.4	397
44	Leucine-rich repeat kinase 2 (LRRK2) interacts with parkin, and mutant LRRK2 induces neuronal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18676-18681.	7.1	390
45	Mitochondrial localization of the Parkinson's disease related protein DJ-1: implications for pathogenesis. Human Molecular Genetics, 2005, 14, 2063-2073.	2.9	381
46	Lysine 63-linked ubiquitination promotes the formation and autophagic clearance of protein inclusions associated with neurodegenerative diseases. Human Molecular Genetics, 2008, 17, 431-439.	2.9	379
47	Possible Origins and Distribution of Immunoreactive Nitric Oxide Synthase-Containing Nerve Fibers in Cerebral Arteries. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 70-79.	4.3	370
48	Parkinâ€independent mitophagy requires <scp>D</scp>rp1 and maintains the integrity of mammalian heart and brain. EMBO Journal, 2014, 33, 2798-2813.	7.8	361
49	Poly(ADP-Ribose) (PAR) Binding to Apoptosis-Inducing Factor Is Critical for PAR Polymerase-1â€“Dependent Cell Death (Parthanatos). Science Signaling, 2011, 4, ra20.	3.6	360
50	Proteome-wide identification of poly(ADP-ribose) binding proteins and poly(ADP-ribose)-associated protein complexes. Nucleic Acids Research, 2008, 36, 6959-6976.	14.5	359
51	Animal models of neurodegenerative diseases. Nature Neuroscience, 2018, 21, 1370-1379.	14.8	358
52	Recent Advances in the Genetics of Parkinson's Disease. Annual Review of Genomics and Human Genetics, 2011, 12, 301-325.	6.2	355
53	Nitric oxide-induced nuclear GAPDH activates p300/CBP and mediates apoptosis. Nature Cell Biology, 2008, 10, 866-873.	10.3	353
54	Neurotrophic actions of nonimmunosuppressive analogues of immunosuppressive drugs FK506, rapamycin and cyclosporin A. Nature Medicine, 1997, 3, 421-428.	30.7	346

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55	Inhibitors of leucine-rich repeat kinase-2 protect against models of Parkinson's disease. Nature Medicine, 2010, 16, 998-1000.	30.7	342
56	High brain densities of the immunophilin FKBP colocalized with calcineurin. Nature, 1992, 358, 584-587.	27.8	338
57	Dopaminergic Neuronal Loss, Reduced Neurite Complexity and Autophagic Abnormalities in Transgenic Mice Expressing G2019S Mutant LRRK2. PLoS ONE, 2011, 6, e18568.	2.5	338
58	Chapter 15 Nitric oxide in neurodegeneration. Progress in Brain Research, 1998, 118, 215-229.	1.4	336
59	Poly(ADP-ribose) signals to mitochondrial AIF: A key event in parthanatos. Experimental Neurology, 2009, 218, 193-202.	4.1	327
60	Endoplasmic reticulum stress and mitochondrial cell death pathways mediate A53T mutant alpha-synuclein-induced toxicity. Human Molecular Genetics, 2005, 14, 3801-3811.	2.9	321
61	Loss of locus coeruleus neurons and reduced startle in parkin null mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10744-10749.	7.1	317
62	Poly(ADP-ribose) drives pathologic Î±-synuclein neurodegeneration in Parkinsonâ€™s disease. Science, 2018, 362, .	12.6	317
63	A Randomized Clinical Trial of High-Dosage Coenzyme Q10 in Early Parkinson Disease. JAMA Neurology, 2014, 71, 543.	9.0	312
64	The role of parkin in familial and sporadic Parkinson's disease. Movement Disorders, 2010, 25, S32-9.	3.9	309
65	Parkin and PINK1: much more than mitophagy. Trends in Neurosciences, 2014, 37, 315-324.	8.6	309
66	Failure to degrade poly(ADP-ribose) causes increased sensitivity to cytotoxicity and early embryonic lethality. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17699-17704.	7.1	285
67	Mitochondrial and Nuclear Cross Talk in Cell Death. Annals of the New York Academy of Sciences, 2008, 1147, 233-241.	3.8	284
68	PARPâ€1 gene disruption in mice preferentially protects males from perinatal brain injury. Journal of Neurochemistry, 2004, 90, 1068-1075.	3.9	266
69	A nuclease that mediates cell death induced by DNA damage and poly(ADP-ribose) polymerase-1. Science, 2016, 354, .	12.6	266
70	Sulfhydration mediates neuroprotective actions of parkin. Nature Communications, 2013, 4, 1626.	12.8	265
71	Metaâ€analysis of Parkinson's Disease: Identification of a novel locus, <i>RIT2</i>. Annals of Neurology, 2012, 71, 370-384.	5.3	264
72	PINK1 and Parkin mitochondrial quality control: a source of regional vulnerability in Parkinsonâ€™s disease. Molecular Neurodegeneration, 2020, 15, 20.	10.8	264

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73	Manganese Superoxide Dismutase Protects nNOS Neurons from NMDA and Nitric Oxide-Mediated Neurotoxicity. Journal of Neuroscience, 1998, 18, 2040-2055.	3.6	258
74	Apoptosis-Inducing Factor Substitutes for Caspase Executioners in NMDA-Triggered Excitotoxic Neuronal Death. Journal of Neuroscience, 2004, 24, 10963-10973.	3.6	258
75	Understanding microRNAs in neurodegeneration. Nature Reviews Neuroscience, 2009, 10, 837-841.	10.2	256
76	Neurobiology of Nitric Oxide. Critical Reviews in Neurobiology, 1996, 10, 291-316.	3.1	255
77	Poly(ADP-ribose) polymerase-dependent energy depletion occurs through inhibition of glycolysis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10209-10214.	7.1	253
78	MicroRNA-223 is neuroprotective by targeting glutamate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18962-18967.	7.1	245
79	Phosphorylation by the c-Abl protein tyrosine kinase inhibits parkin's ubiquitination and protective function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16691-16696.	7.1	241
80	Ribosomal Protein s15 Phosphorylation Mediates LRRK2 Neurodegeneration in Parkinsonâ€™s Disease. Cell, 2014, 157, 472-485.	28.9	239
81	Â-Synuclein Phosphorylation Enhances Eosinophilic Cytoplasmic Inclusion Formation in SH-SY5Y Cells. Journal of Neuroscience, 2005, 25, 5544-5552.	3.6	237
82	Nitric oxide mediates the formation of synaptic connections in developing and regenerating olfactory receptor neurons. Neuron, 1994, 13, 289-299.	8.1	232
83	Association of DJ-1 and parkin mediated by pathogenic DJ-1 mutations and oxidative stress. Human Molecular Genetics, 2005, 14, 71-84.	2.9	231
84	Ataxia Telangiectasia Mutated (ATM) Signaling Network Is Modulated by a Novel Poly(ADP-ribose)-dependent Pathway in the Early Response to DNA-damaging Agents. Journal of Biological Chemistry, 2007, 282, 16441-16453.	3.4	225
85	A Hierarchical NGF Signaling Cascade Controls Ret-Dependent and Ret-Independent Events during Development of Nonpeptidergic DRG Neurons. Neuron, 2007, 54, 739-754.	8.1	225
86	Neuroprotection by pharmacologic blockade of the GAPDH death cascade. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3887-3889.	7.1	222
87	Accumulation of the Authentic Parkin Substrate Aminoacyl-tRNA Synthetase Cofactor, p38/JTV-1, Leads to Catecholaminergic Cell Death. Journal of Neuroscience, 2005, 25, 7968-7978.	3.6	221
88	Mediation of cell death by poly(ADP-ribose) polymerase-1. Pharmacological Research, 2005, 52, 5-14.	7.1	218
89	A Nitric Oxide Signaling Pathway Controls CREB-Mediated Gene Expression in Neurons. Molecular Cell, 2006, 21, 283-294.	9.7	211
90	Free Radicals as Mediators of Neuronal Injury. Cellular and Molecular Neurobiology, 1998, 18, 667-682.	3.3	208

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91	Parkin loss leads to PARIS-dependent declines in mitochondrial mass and respiration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11696-11701.	7.1	207
92	NMDA But Not Non-NMDA Excitotoxicity is Mediated by Poly(ADP-Ribose) Polymerase. Journal of Neuroscience, 2000, 20, 8005-8011.	3.6	206
93	Iduna is a poly(ADP-ribose) (PAR)-dependent E3 ubiquitin ligase that regulates DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14103-14108.	7.1	205
94	Stress-induced alterations in parkin solubility promote parkin aggregation and compromise parkin's protective function. Human Molecular Genetics, 2005, 14, 3885-3897.	2.9	201
95	Familial-associated mutations differentially disrupt the solubility, localization, binding and ubiquitination properties of parkin. Human Molecular Genetics, 2005, 14, 2571-2586.	2.9	200
96	AÎ² deposition is associated with enhanced cortical Î±-synuclein lesions in Lewy body diseases. Neurobiology of Aging, 2005, 26, 1183-1192.	3.1	200
97	Meta-Analysis of the Alzheimerâ€™s Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. Cell Reports, 2020, 32, 107908.	6.4	199
98	A missense mutation (L166P) in DJâ€1, linked to familial Parkinson's disease, confers reduced protein stability and impairs homoâ€oligomerization. Journal of Neurochemistry, 2003, 87, 1558-1567.	3.9	198
99	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. Nature Genetics, 2021, 53, 294-303.	21.4	198
100	CHIP regulates leucine-rich repeat kinase-2 ubiquitination, degradation, and toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2897-2902.	7.1	195
101	Parkin Protects against LRRK2 G2019S Mutant-Induced Dopaminergic Neurodegeneration in Drosophila. Journal of Neuroscience, 2009, 29, 11257-11262.	3.6	193
102	Iduna protects the brain from glutamate excitotoxicity and stroke by interfering with poly(ADP-ribose) polymer-induced cell death. Nature Medicine, 2011, 17, 692-699.	30.7	190
103	The c-Abl inhibitor, Nilotinib, protects dopaminergic neurons in a preclinical animal model of Parkinson's disease. Scientific Reports, 2014, 4, 4874.	3.3	188
104	Poly(ADP-ribose) polymerase-1 and apoptosis inducing factor in neurotoxicity. Neurobiology of Disease, 2003, 14, 303-317.	4.4	185
105	Association of<i>GBA</i>Mutations and the E326K Polymorphism With Motor and Cognitive Progression in Parkinson Disease. JAMA Neurology, 2016, 73, 1217.	9.0	185
106	Caught in the Act. Neuron, 2003, 40, 453-456.	8.1	184
107	Parthanatos mediates AIMP2-activated age-dependent dopaminergic neuronal loss. Nature Neuroscience, 2013, 16, 1392-1400.	14.8	182
108	Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. Cell Metabolism, 2018, 28, 588-604.e5.	16.2	180

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109	The Chaperone Activity of Heat Shock Protein 90 Is Critical for Maintaining the Stability of Leucine-Rich Repeat Kinase 2. Journal of Neuroscience, 2008, 28, 3384-3391.	3.6	178
110	Relative sparing of nitric oxide synthase-containing neurons in the hippocampal formation in Alzheimer's disease. Annals of Neurology, 1992, 32, 818-820.	5.3	177
111	Nuclear Targeting of Mutant Huntingtin Increases Toxicity. Molecular and Cellular Neurosciences, 1999, 14, 121-128.	2.2	177
112	GTPase Activity Plays a Key Role in the Pathobiology of LRRK2. PLoS Genetics, 2010, 6, e1000902.	3.5	177
113	Microglia and astrocyte dysfunction in parkinson's disease. Neurobiology of Disease, 2020, 144, 105028.	4.4	177
114	Rare genetic mutations shed light on the pathogenesis of Parkinson disease. Journal of Clinical Investigation, 2003, 111, 145-151.	8.2	175
115	NITRIC OXIDE ACTIONS IN NEUROCHEMISTRY. Neurochemistry International, 1996, 29, 97-110.	3.8	174
116	<scp>M</scp>sp1/<scp>ATAD</scp>1 maintains mitochondrial function by facilitating the degradation of mislocalized tailâ€anchored proteins. EMBO Journal, 2014, 33, 1548-1564.	7.8	172
117	Deadly Conversations: Nuclear-Mitochondrial Cross-Talk. Journal of Bioenergetics and Biomembranes, 2004, 36, 287-294.	2.3	169
118	Fyn kinase regulates misfolded Î±-synuclein uptake and NLRP3 inflammasome activation in microglia. Journal of Experimental Medicine, 2019, 216, 1411-1430.	8.5	169
119	The role of the ubiquitin-proteasomal pathway in Parkinson's disease and other neurodegenerative disorders. Trends in Neurosciences, 2001, 24, 7-14.	8.6	161
120	Opportunities for the repurposing of PARP inhibitors for the therapy of nonâ€oncological diseases. British Journal of Pharmacology, 2018, 175, 192-222.	5.4	160
121	<i>GBA</i> Variants are associated with a distinct pattern of cognitive deficits in <scp>P</scp>arkinson's disease. Movement Disorders, 2016, 31, 95-102.	3.9	158
122	Neuroprotective and neurorestorative strategies for Parkinson's disease. Nature Neuroscience, 2002, 5, 1058-1061.	14.8	152
123	Morphometry of the human substantia nigra in ageing and Parkinsonâ€™s disease. Acta Neuropathologica, 2008, 115, 461-470.	7.7	150
124	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	4.7	150
125	Genetic modifiers of risk and age at onset in GBA associated Parkinsonâ€™s disease and Lewy body dementia. Brain, 2020, 143, 234-248.	7.6	149
126	(Pathoâ€)physiological relevance of <scp>PINK</scp> 1â€dependent ubiquitin phosphorylation. EMBO Reports, 2015, 16, 1114-1130.	4.5	147

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127	Autophagy-mediated clearance of aggresomes is not a universal phenomenon. Human Molecular Genetics, 2008, 17, 2570-2582.	2.9	143
128	Î±-Synuclein accumulation and GBA deficiency due to L444P GBA mutation contributes to MPTP-induced parkinsonism. Molecular Neurodegeneration, 2018, 13, 1.	10.8	143
129	MicroRNAs in Parkinson's disease. Journal of Chemical Neuroanatomy, 2011, 42, 127-130.	2.1	142
130	Toward the human cellular microRNAome. Genome Research, 2017, 27, 1769-1781.	5.5	142
131	Secondary mechanisms in neuronal trauma. Current Opinion in Neurology, 1994, 7, 510-516.	3.6	141
132	NITRIC OXIDE SYNTHASE: Role as a Transmitter/Mediator in the Brain and Endocrine System. Annual Review of Medicine, 1996, 47, 219-227.	12.2	141
133	S-nitrosylation of XIAP compromises neuronal survival in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4900-4905.	7.1	141
134	Reprogramming cellular events by poly(ADP-ribose)-binding proteins. Molecular Aspects of Medicine, 2013, 34, 1066-1087.	6.4	141
135	PINK1 Primes Parkin-Mediated Ubiquitination of PARIS in Dopaminergic Neuronal Survival. Cell Reports, 2017, 18, 918-932.	6.4	141
136	Novel Monoclonal Antibodies Demonstrate Biochemical Variation of Brain Parkin with Age. Journal of Biological Chemistry, 2003, 278, 48120-48128.	3.4	140
137	Bcl-x Is Required for Proper Development of the Mouse Substantia Nigra. Journal of Neuroscience, 2005, 25, 6721-6728.	3.6	140
138	Localization of Parkinsonâ€™s disease-associated LRRK2 in normal and pathological human brain. Brain Research, 2007, 1155, 208-219.	2.2	139
139	GBA1 deficiency negatively affects physiological Î±-synuclein tetramers and related multimers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 798-803.	7.1	139
140	Loss of nitric oxide synthase immunoreactivity in cerebral vasospasm. Journal of Neurosurgery, 1996, 84, 648-654.	1.6	138
141	Urinary bladder-urethral sphincter dysfunction in mice with targeted disruption of neuronal nitric oxide synthase models idiopathic voiding disorders in humans. Nature Medicine, 1997, 3, 571-574.	30.7	138
142	Activation of tyrosine kinase c-Abl contributes to Î±-synucleinâ€“induced neurodegeneration. Journal of Clinical Investigation, 2016, 126, 2970-2988.	8.2	133
143	Animal Models of PD. Neuron, 2002, 35, 219-222.	8.1	131
144	Chemoproteomics-Based Design of Potent LRRK2-Selective Lead Compounds That Attenuate Parkinsonâ€™s Disease-Related Toxicity in Human Neurons. ACS Chemical Biology, 2011, 6, 1021-1028.	3.4	131

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145	LRRK2 pathobiology in Parkinson's disease. Journal of Neurochemistry, 2014, 131, 554-565.	3.9	131
146	Prediction of cognition in Parkinson's disease with a clinicalâ€"genetic score: a longitudinal analysis of nine cohorts. Lancet Neurology, The, 2017, 16, 620-629.	10.2	131
147	Parkin-mediated lysine 63-linked polyubiquitination: A link to protein inclusions formation in Parkinson's and other conformational diseases?. Neurobiology of Aging, 2006, 27, 524-529.	3.1	130
148	Parkin-associated Parkinsonâ€™s disease. Cell and Tissue Research, 2004, 318, 175-184.	2.9	126
149	Finding useful biomarkers for Parkinsonâ€™s disease. Science Translational Medicine, 2018, 10, .	12.4	125
150	Development and Characterization of a New Parkinson's Disease Model Resulting from Impaired Autophagy. Journal of Neuroscience, 2012, 32, 16503-16509.	3.6	124
151	Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery. Stroke, 2002, 33, 1101-1106.	2.0	123
152	Mechanism of neurodegenerative disease: role of the ubiquitin proteasome system. Annals of Medicine, 2004, 36, 315-320.	3.8	123
153	Inhibitors of LRRK2 kinase attenuate neurodegeneration and Parkinson-like phenotypes in Caenorhabditis elegans and Drosophila Parkinson's disease models. Human Molecular Genetics, 2011, 20, 3933-3942.	2.9	120
154	Mitochondrial Mechanisms of Neuronal Cell Death: Potential Therapeutics. Annual Review of Pharmacology and Toxicology, 2017, 57, 437-454.	9.4	120
155	Genetic deficiency of the mitochondrial protein PGAM5 causes a Parkinsonâ€™s-like movement disorder. Nature Communications, 2014, 5, 4930.	12.8	118
156	Heterozygous PINK1 p.G411S increases risk of Parkinsonâ€™s disease via a dominant-negative mechanism. Brain, 2017, 140, 98-117.	7.6	116
157	Unexpected Lack of Hypersensitivity in LRRK2 Knock-Out Mice to MPTP (1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine). Journal of Neuroscience, 2009, 29, 15846-15850.	3.6	114
158	Functional interaction of Parkinson's disease-associated LRRK2 with members of the dynamin GTPase superfamily. Human Molecular Genetics, 2014, 23, 2055-2077.	2.9	113
159	Apoptosis Inducing Factor and PARPâ€Mediated Injury in the MPTP Mouse Model of Parkinson's Disease. Annals of the New York Academy of Sciences, 2003, 991, 132-139.	3.8	112
160	Chapter 1 Regulation of neuronal nitric oxide synthase and identification of novel nitric oxide signaling pathways. Progress in Brain Research, 1998, 118, 3-11.	1.4	110
161	Alterations in the solubility and intracellular localization of parkin by several familial Parkinson's disease-linked point mutations. Journal of Neurochemistry, 2005, 93, 422-431.	3.9	110
162	To die or grow: Parkinson's disease and cancer. Trends in Neurosciences, 2005, 28, 348-352.	8.6	110

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163	Neurotransmitter release regulated by nitric oxide in PC-12 cells and brain synaptosomes. Current Biology, 1993, 3, 749-754.	3.9	108
164	Effects of Nitric Oxide on Neuroendocrine Function and Behavior. Frontiers in Neuroendocrinology, 1997, 18, 463-491.	5.2	107
165	37-kDa Laminin Receptor Precursor Modulates Cytotoxic Necrotizing Factor 1â€“mediated RhoA Activation and Bacterial Uptake. Journal of Biological Chemistry, 2003, 278, 16857-16862.	3.4	106
166	Molecular Mechanisms of Nitric Oxide Actions in the Brain^a. Annals of the New York Academy of Sciences, 1994, 738, 76-85.	3.8	103
167	NMDA-R1 subunit of the cerebral cortex co-localizes with neuronal nitric oxide synthase at pre- and postsynaptic sites and in spines. Brain Research, 1997, 750, 25-40.	2.2	102
168	BAK Alters Neuronal Excitability and Can Switch from Anti- to Pro-Death Function during Postnatal Development. Developmental Cell, 2003, 4, 575-585.	7.0	101
169	Expression and localization of Parkinson's disease-associated leucine-rich repeat kinase 2 in the mouse brain. Journal of Neurochemistry, 2007, 100, 368-381.	3.9	101
170	Parkin mediates the degradationâ€independent ubiquitination of Hsp70. Journal of Neurochemistry, 2008, 105, 1806-1819.	3.9	101
171	REVIEW â–: Nitric Oxide: Actions and Pathological Roles. Neuroscientist, 1995, 1, 7-18.	3.5	100
172	Animal Models of Parkinson's Disease: Vertebrate Genetics. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a009324-a009324.	6.2	99
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