

David S Park

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151
papers

14,962
citations

69
h-index

121
g-index

155
ext. papers

16,385
ext. citations

7.4
avg, IF

5.91
L-index

#	Paper	IF	Citations
151	Loss of PINK1 function promotes mitophagy through effects on oxidative stress and mitochondrial fission. <i>Journal of Biological Chemistry</i> , 2009 , 284, 13843-13855	5.4	726
150	Hypersensitivity of DJ-1-deficient mice to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 5215-20	11.5	581
149	Mitochondrial processing peptidase regulates PINK1 processing, import and Parkin recruitment. <i>EMBO Reports</i> , 2012 , 13, 378-85	6.5	445
148	Apoptosis-inducing factor is involved in the regulation of caspase-independent neuronal cell death. <i>Journal of Cell Biology</i> , 2002 , 158, 507-17	7.3	405
147	Bax-dependent caspase-3 activation is a key determinant in p53-induced apoptosis in neurons. <i>Journal of Neuroscience</i> , 1999 , 19, 7860-9	6.6	325
146	Loss of the Parkinson's disease-linked gene DJ-1 perturbs mitochondrial dynamics. <i>Human Molecular Genetics</i> , 2010 , 19, 3734-46	5.6	298
145	Mitochondrial Dynamics Impacts Stem Cell Identity and Fate Decisions by Regulating a Nuclear Transcriptional Program. <i>Cell Stem Cell</i> , 2016 , 19, 232-247	18	296
144	Constitutive nuclear factor-kappa B activity is required for central neuron survival. <i>Journal of Neuroscience</i> , 2002 , 22, 8466-75	6.6	273
143	Abberant alpha-synuclein confers toxicity to neurons in part through inhibition of chaperone-mediated autophagy. <i>PLoS ONE</i> , 2009 , 4, e5515	3.7	270
142	Cyclin-dependent kinase 5 is a mediator of dopaminergic neuron loss in a mouse model of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13650-5	11.5	260
141	Cyclin dependent kinase inhibitors and dominant negative cyclin dependent kinase 4 and 6 promote survival of NGF-deprived sympathetic neurons. <i>Journal of Neuroscience</i> , 1997 , 17, 8975-83	6.6	249
140	Inhibition of calpains prevents neuronal and behavioral deficits in an MPTP mouse model of Parkinson's disease. <i>Journal of Neuroscience</i> , 2003 , 23, 4081-91	6.6	246
139	G1/S cell cycle blockers and inhibitors of cyclin-dependent kinases suppress camptothecin-induced neuronal apoptosis. <i>Journal of Neuroscience</i> , 1997 , 17, 1256-70	6.6	242
138	α -Adrenoreceptor is a regulator of the β -synuclein gene driving risk of Parkinson's disease. <i>Science</i> , 2017 , 357, 891-898	33.3	238
137	Neuronal apoptosis induced by endoplasmic reticulum stress is regulated by ATF4-CHOP-mediated induction of the Bcl-2 homology 3-only member PUMA. <i>Journal of Neuroscience</i> , 2010 , 30, 16938-48	6.6	236
136	Cyclin-dependent kinases participate in death of neurons evoked by DNA-damaging agents. <i>Journal of Cell Biology</i> , 1998 , 143, 457-67	7.3	235
135	Cyclin-dependent kinases as a therapeutic target for stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 10254-9	11.5	233

134	OPA1-dependent cristae modulation is essential for cellular adaptation to metabolic demand. <i>EMBO Journal</i> , 2014 , 33, 2676-91	13	224
133	Involvement of interferon-gamma in microglial-mediated loss of dopaminergic neurons. <i>Journal of Neuroscience</i> , 2007 , 27, 3328-37	6.6	223
132	Role of cell cycle regulatory proteins in cerebellar granule neuron apoptosis. <i>Journal of Neuroscience</i> , 1999 , 19, 8747-56	6.6	221
131	Multiple pathways of neuronal death induced by DNA-damaging agents, NGF deprivation, and oxidative stress. <i>Journal of Neuroscience</i> , 1998 , 18, 830-40	6.6	219
130	Cytoplasmic Pink1 activity protects neurons from dopaminergic neurotoxin MPTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1716-21	11.5	206
129	Inhibitors of cyclin-dependent kinases promote survival of post-mitotic neuronally differentiated PC12 cells and sympathetic neurons. <i>Journal of Biological Chemistry</i> , 1996 , 271, 8161-9	5.4	201
128	Role of Cdk5-mediated phosphorylation of Prx2 in MPTP toxicity and Parkinson's disease. <i>Neuron</i> , 2007 , 55, 37-52	13.9	197
127	Pathological axonal death through a MAPK cascade that triggers a local energy deficit. <i>Cell</i> , 2015 , 160, 161-76	56.2	190
126	Caspase-dependent and -independent death of camptothecin-treated embryonic cortical neurons. <i>Journal of Neuroscience</i> , 1999 , 19, 6235-47	6.6	190
125	Involvement of cell cycle elements, cyclin-dependent kinases, pRb, and E2F x DP, in B-amyloid-induced neuronal death. <i>Journal of Biological Chemistry</i> , 1999 , 274, 19011-6	5.4	190
124	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	4.3	186
123	Ordering the cell death pathway. Differential effects of BCL2, an interleukin-1-converting enzyme family protease inhibitor, and other survival agents on JNK activation in serum/nerve growth factor-deprived PC12 cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 21898-905	5.4	186
122	E2F1 mediates death of B-amyloid-treated cortical neurons in a manner independent of p53 and dependent on Bax and caspase 3. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11553-60	5.4	168
121	DJ-1/PARK7 is an important mediator of hypoxia-induced cellular responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1111-6	11.5	166
120	BAG5 inhibits parkin and enhances dopaminergic neuron degeneration. <i>Neuron</i> , 2004 , 44, 931-45	13.9	166
119	APAF1 is a key transcriptional target for p53 in the regulation of neuronal cell death. <i>Journal of Cell Biology</i> , 2001 , 155, 207-16	7.3	166
118	ROS-dependent regulation of Parkin and DJ-1 localization during oxidative stress in neurons. <i>Human Molecular Genetics</i> , 2012 , 21, 4888-903	5.6	159
117	Apoptosis-inducing factor is a key factor in neuronal cell death propagated by BAX-dependent and BAX-independent mechanisms. <i>Journal of Neuroscience</i> , 2005 , 25, 1324-34	6.6	158

116	Calpain-regulated p35/cdk5 plays a central role in dopaminergic neuron death through modulation of the transcription factor myocyte enhancer factor 2. <i>Journal of Neuroscience</i> , 2006 , 26, 440-7	6.6	157
115	Dissociating the dual roles of apoptosis-inducing factor in maintaining mitochondrial structure and apoptosis. <i>EMBO Journal</i> , 2006 , 25, 4061-73	13	155
114	Mitofusin 2 protects cerebellar granule neurons against injury-induced cell death. <i>Journal of Biological Chemistry</i> , 2007 , 282, 23788-98	5.4	152
113	Leucine-Rich Repeat Kinase 2 interacts with Parkin, DJ-1 and PINK-1 in a <i>Drosophila melanogaster</i> model of Parkinson's disease. <i>Human Molecular Genetics</i> , 2009 , 18, 4390-404	5.6	150
112	Programmed cell death in Parkinson's disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2,	5.4	148
111	Mcl-1 is a key regulator of apoptosis during CNS development and after DNA damage. <i>Journal of Neuroscience</i> , 2008 , 28, 6068-78	6.6	146
110	Involvement of retinoblastoma family members and E2F/DP complexes in the death of neurons evoked by DNA damage. <i>Journal of Neuroscience</i> , 2000 , 20, 3104-14	6.6	141
109	MCL-1 is a stress sensor that regulates autophagy in a developmentally regulated manner. <i>EMBO Journal</i> , 2011 , 30, 395-407	13	139
108	DJ-1 protects the nigrostriatal axis from the neurotoxin MPTP by modulation of the AKT pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3186-91	11.5	132
107	The Parkinson's disease gene DJ-1 is also a key regulator of stroke-induced damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18748-53	11.5	132
106	Cell cycle regulators in neuronal death evoked by excitotoxic stress: implications for neurodegeneration and its treatment. <i>Neurobiology of Aging</i> , 2000 , 21, 771-81	5.6	131
105	Telencephalon-specific Rb knockouts reveal enhanced neurogenesis, survival and abnormal cortical development. <i>EMBO Journal</i> , 2002 , 21, 3337-46	13	128
104	Multiple cyclin-dependent kinases signals are critical mediators of ischemia/hypoxic neuronal death in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14080-5	11.5	122
103	Induction of CPP32-like activity in PC12 cells by withdrawal of trophic support. Dissociation from apoptosis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 30663-71	5.4	120
102	Induction and modulation of cerebellar granule neuron death by E2F-1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25358-64	5.4	120
101	Differential roles of nuclear and cytoplasmic cyclin-dependent kinase 5 in apoptotic and excitotoxic neuronal death. <i>Journal of Neuroscience</i> , 2005 , 25, 8954-66	6.6	115
100	Regulation of dopaminergic loss by Fas in a 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. <i>Journal of Neuroscience</i> , 2004 , 24, 2045-53	6.6	108
99	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. <i>Nature Communications</i> , 2014 , 5, 3550	17.4	103

98	Nuclear factor-(kappa)B modulates the p53 response in neurons exposed to DNA damage. <i>Journal of Neuroscience</i> , 2004 , 24, 2963-73	6.6	102
97	Cyclin-dependent kinase 5 mediates neurotoxin-induced degradation of the transcription factor myocyte enhancer factor 2. <i>Journal of Neuroscience</i> , 2005 , 25, 4823-34	6.6	101
96	Cyclin-dependent kinase activity is required for apoptotic death but not inclusion formation in cortical neurons after proteasomal inhibition. <i>Journal of Neuroscience</i> , 2003 , 23, 1237-45	6.6	99
95	Inhibition of cyclin-dependent kinases improves CA1 neuronal survival and behavioral performance after global ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 171-82	7.3	96
94	Cyclin-dependent kinases and P53 pathways are activated independently and mediate Bax activation in neurons after DNA damage. <i>Journal of Neuroscience</i> , 2001 , 21, 5017-26	6.6	95
93	The mitochondrial inner membrane GTPase, optic atrophy 1 (Opa1), restores mitochondrial morphology and promotes neuronal survival following excitotoxicity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 4772-82	5.4	91
92	The role of Cdk5-mediated apurinic/aprimidinic endonuclease 1 phosphorylation in neuronal death. <i>Nature Cell Biology</i> , 2010 , 12, 563-71	23.4	88
91	p107 regulates neural precursor cells in the mammalian brain. <i>Journal of Cell Biology</i> , 2004 , 166, 853-63	7.3	85
90	c-Jun mediates axotomy-induced dopamine neuron death in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 13385-90	11.5	83
89	Involvement of caspase 3 in apoptotic death of cortical neurons evoked by DNA damage. <i>Molecular and Cellular Neurosciences</i> , 2000 , 15, 368-79	4.8	79
88	p53 activation domain 1 is essential for PUMA upregulation and p53-mediated neuronal cell death. <i>Journal of Neuroscience</i> , 2004 , 24, 10003-12	6.6	78
87	Conditional disruption of calpain in the CNS alters dendrite morphology, impairs LTP, and promotes neuronal survival following injury. <i>Journal of Neuroscience</i> , 2013 , 33, 5773-84	6.6	77
86	Cell cycle machinery and stroke. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007 , 1772, 484-93	6.9	74
85	Apical role for BRG1 in cytokine-induced promoter assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14611-6	11.5	72
84	Activation of FoxO by LRRK2 induces expression of proapoptotic proteins and alters survival of postmitotic dopaminergic neuron in Drosophila. <i>Human Molecular Genetics</i> , 2010 , 19, 3747-58	5.6	71
83	Calpains mediate p53 activation and neuronal death evoked by DNA damage. <i>Journal of Biological Chemistry</i> , 2003 , 278, 26031-8	5.4	70
82	Unique requirement for Rb/E2F3 in neuronal migration: evidence for cell cycle-independent functions. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4825-43	4.8	69
81	The proapoptotic gene SIVA is a direct transcriptional target for the tumor suppressors p53 and E2F1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28706-14	5.4	67

80	Inactivation of Pink1 gene in vivo sensitizes dopamine-producing neurons to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and can be rescued by autosomal recessive Parkinson disease genes, Parkin or DJ-1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 23162-70	5.4	66
79	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018 , 25, 542-572	12.7	64
78	Mitochondrial dysfunction underlies cognitive defects as a result of neural stem cell depletion and impaired neurogenesis. <i>Human Molecular Genetics</i> , 2017 , 26, 3327-3341	5.6	63
77	NAIP protects the nigrostriatal dopamine pathway in an intrastriatal 6-OHDA rat model of Parkinson's disease. <i>European Journal of Neuroscience</i> , 2001 , 14, 391-400	3.5	63
76	The Rb-CDK4/6 signaling pathway is critical in neural precursor cell cycle regulation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33593-600	5.4	63
75	Essential role of cytoplasmic cdk5 and Prx2 in multiple ischemic injury models, in vivo. <i>Journal of Neuroscience</i> , 2009 , 29, 12497-505	6.6	62
74	Progressive dopaminergic cell loss with unilateral-to-bilateral progression in a genetic model of Parkinson disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15918-23	11.5	62
73	Regulation of myeloid cell phagocytosis by LRRK2 via WAVE2 complex stabilization is altered in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5164-E5173	11.5	61
72	Activation of the Rb/E2F1 pathway by the nonproliferative p38 MAPK during Fas (APO1/CD95)-mediated neuronal apoptosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48764-70	5.4	58
71	Amyloid-beta42 signals tau hyperphosphorylation and compromises neuronal viability by disrupting alkylacylglycerophosphocholine metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20936-41	11.5	57
70	Opposing regulation of Sox2 by cell-cycle effectors E2f3a and E2f3b in neural stem cells. <i>Cell Stem Cell</i> , 2013 , 12, 440-52	18	56
69	PINK1-mediated phosphorylation of LETM1 regulates mitochondrial calcium transport and protects neurons against mitochondrial stress. <i>Nature Communications</i> , 2017 , 8, 1399	17.4	56
68	CDK5 phosphorylates DRP1 and drives mitochondrial defects in NMDA-induced neuronal death. <i>Human Molecular Genetics</i> , 2015 , 24, 4573-83	5.6	50
67	Role of cyclooxygenase-2 induction by transcription factor Sp1 and Sp3 in neuronal oxidative and DNA damage response. <i>FASEB Journal</i> , 2006 , 20, 2375-7	0.9	49
66	The Chk1/Cdc25A pathway as activators of the cell cycle in neuronal death induced by camptothecin. <i>Journal of Neuroscience</i> , 2006 , 26, 8819-28	6.6	46
65	Rb/E2F regulates expression of neogenin during neuronal migration. <i>Molecular and Cellular Biology</i> , 2011 , 31, 238-47	4.8	45
64	NFkappaB in neurons? The uncertainty principle in neurobiology. <i>Journal of Neurochemistry</i> , 2006 , 97, 607-18	6	42
63	The retinoblastoma protein is essential for survival of postmitotic neurons. <i>Journal of Neuroscience</i> , 2012 , 32, 14809-14	6.6	41

62	Ataxia telangiectasia-mutated protein can regulate p53 and neuronal death independent of Chk2 in response to DNA damage. <i>Journal of Biological Chemistry</i> , 2003 , 278, 37782-9	5.4	40
61	BAG2 Gene-mediated Regulation of PINK1 Protein Is Critical for Mitochondrial Translocation of PARKIN and Neuronal Survival. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30441-52	5.4	39
60	The Retinoblastoma family member p107 regulates the rate of progenitor commitment to a neuronal fate. <i>Journal of Cell Biology</i> , 2007 , 178, 129-39	7.3	39
59	Cyclin-dependent kinases as potential targets to improve stroke outcome 2002 , 93, 135-43		38
58	Helper-dependent adenovirus vectors: their use as a gene delivery system to neurons. <i>Gene Therapy</i> , 2000 , 7, 1200-9	4	38
57	Interaction of the c-Jun/JNK pathway and cyclin-dependent kinases in death of embryonic cortical neurons evoked by DNA damage. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35586-96	5.4	36
56	CDKs: taking on a role as mediators of dopaminergic loss in Parkinson's disease. <i>Trends in Molecular Medicine</i> , 2004 , 10, 445-51	11.5	35
55	alleles modulate inflammation during microbial infection of mice in a sex-dependent manner. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	34
54	The Rb/E2F pathway modulates neurogenesis through direct regulation of the Dlx1/Dlx2 bigene cluster. <i>Journal of Neuroscience</i> , 2012 , 32, 8219-30	6.6	34
53	c-Jun N-terminal kinase 3 deficiency protects neurons from axotomy-induced death in vivo through mechanisms independent of c-Jun phosphorylation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 1132-41	5.4	34
52	Caspase 3 deficiency rescues peripheral nervous system defect in retinoblastoma nullizygous mice. <i>Journal of Neuroscience</i> , 2001 , 21, 7089-98	6.6	31
51	Systems biology identifies preserved integrity but impaired metabolism of mitochondria due to a glycolytic defect in Alzheimer's disease neurons. <i>Aging Cell</i> , 2019 , 18, e12924	9.9	28
50	DJ-1 interacts with and regulates paraoxonase-2, an enzyme critical for neuronal survival in response to oxidative stress. <i>PLoS ONE</i> , 2014 , 9, e106601	3.7	28
49	Regulation of the VHL/HIF-1 pathway by DJ-1. <i>Journal of Neuroscience</i> , 2014 , 34, 8043-50	6.6	26
48	Selective neuroprotective effects of the S18Y polymorphic variant of UCH-L1 in the dopaminergic system. <i>Human Molecular Genetics</i> , 2012 , 21, 874-89	5.6	25
47	Resveratrol induces apoptosis in breast cancer cells by E2F1-mediated up-regulation of ASPP1. <i>Oncology Reports</i> , 2011 , 25, 1713-9	3.5	25
46	The nuclear localization of SET mediated by impalpha3/impbeta attenuates its cytosolic toxicity in neurons. <i>Journal of Neurochemistry</i> , 2007 , 103, 408-22	6	25
45	Cell cycle regulator E2F4 is essential for the development of the ventral telencephalon. <i>Journal of Neuroscience</i> , 2007 , 27, 5926-35	6.6	24

44	Comparative analysis of Parkinson's disease-associated genes in mice reveals altered survival and bioenergetics of Parkin-deficient dopamine neurons. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9580-9593	5.4	23
43	Perturbation of transcription factor Nur77 expression mediated by myocyte enhancer factor 2D (MEF2D) regulates dopaminergic neuron loss in response to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). <i>Journal of Biological Chemistry</i> , 2013 , 288, 14362-14371	5.4	23
42	Pink1 regulates FKBP5 interaction with AKT/PHLPP and protects neurons from neurotoxin stress induced by MPP. <i>Journal of Neurochemistry</i> , 2019 , 150, 312-329	6	22
41	CITED2 signals through peroxisome proliferator-activated receptor-gamma to regulate death of cortical neurons after DNA damage. <i>Journal of Neuroscience</i> , 2008 , 28, 5559-69	6.6	22
40	Emerging Pathogenic Role for Cyclin Dependent Kinases in Neurodegeneration. <i>Cell Cycle</i> , 2004 , 3, 287-289	4.7	22
39	Sertad1 plays an essential role in developmental and pathological neuron death. <i>Journal of Neuroscience</i> , 2010 , 30, 3973-82	6.6	21
38	Regulation of ischemic neuronal death by E2F4-p130 protein complexes. <i>Journal of Biological Chemistry</i> , 2014 , 289, 18202-13	5.4	20
37	Delayed combinatorial treatment with flavopiridol and minocycline provides longer term protection for neuronal soma but not dendrites following global ischemia. <i>Journal of Neurochemistry</i> , 2008 , 105, 703-13	6	20
36	LKB1-regulated adaptive mechanisms are essential for neuronal survival following mitochondrial dysfunction. <i>Human Molecular Genetics</i> , 2013 , 22, 952-62	5.6	18
35	Pim-1 kinase as activator of the cell cycle pathway in neuronal death induced by DNA damage. <i>Journal of Neurochemistry</i> , 2010 , 112, 497-510	6	18
34	Association of alcoholism with the N-glycosylation polymorphism of pseudodeficient human arylsulfatase A. <i>Alcoholism: Clinical and Experimental Research</i> , 1996 , 20, 228-33	3.7	17
33	Unaltered striatal dopamine release levels in young Parkin knockout, Pink1 knockout, DJ-1 knockout and LRRK2 R1441G transgenic mice. <i>PLoS ONE</i> , 2014 , 9, e94826	3.7	17
32	DJ-1 modulates the unfolded protein response and cell death via upregulation of ATF4 following ER stress. <i>Cell Death and Disease</i> , 2019 , 10, 135	9.8	17
31	Comparison of rectilinear biphasic waveform energy versus truncated exponential biphasic waveform energy for transthoracic cardioversion of atrial fibrillation. <i>American Journal of Cardiology</i> , 2004 , 94, 1438-40	3	16
30	Parkinson's disease: to live or die by autophagy. <i>Science Signaling</i> , 2009 , 2, pe21	8.8	15
29	The p107/E2F pathway regulates fibroblast growth factor 2 responsiveness in neural precursor cells. <i>Molecular and Cellular Biology</i> , 2009 , 29, 4701-13	4.8	15
28	Involvement of the Fc gamma receptor in a chronic N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine mouse model of dopaminergic loss. <i>Journal of Biological Chemistry</i> , 2011 , 286, 28783-28793	5.4	14
27	Ordering the multiple pathways of apoptosis. <i>Trends in Cardiovascular Medicine</i> , 1997 , 7, 294-301	6.9	14

26	LXCXE-independent chromatin remodeling by Rb/E2f mediates neuronal quiescence. <i>Cell Cycle</i> , 2013 , 12, 1416-23	4.7	13
25	MCL-1 maintains neuronal survival by enhancing mitochondrial integrity and bioenergetic capacity under stress conditions. <i>Cell Death and Disease</i> , 2020 , 11, 321	9.8	11
24	LRRK2(I2020T) functional genetic interactors that modify eye degeneration and dopaminergic cell loss in Drosophila. <i>Human Molecular Genetics</i> , 2017 , 26, 1247-1257	5.6	11
23	Regulation of axotomy-induced dopaminergic neuron death and c-Jun phosphorylation by targeted inhibition of cdc42 or mixed lineage kinase. <i>Journal of Neurochemistry</i> , 2006 , 96, 489-99	6	11
22	RB regulates the production and the survival of newborn neurons in the embryonic and adult dentate gyrus. <i>Hippocampus</i> , 2016 , 26, 1379-1392	3.5	11
21	A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. <i>Redox Biology</i> , 2020 , 28, 101377	11.3	10
20	Required roles of Bax and JNKs in central and peripheral nervous system death of retinoblastoma-deficient mice. <i>Journal of Biological Chemistry</i> , 2008 , 283, 405-415	5.4	9
19	Cyclin-dependent kinases and stroke. <i>Expert Opinion on Therapeutic Targets</i> , 2001 , 5, 557-567	6.4	9
18	MPTP induces intranuclear rodlet formation in midbrain dopaminergic neurons. <i>Brain Research</i> , 2005 , 1066, 86-91	3.7	8
17	A novel arylsulfatase A protein variant and genotype in two patients with major depression. <i>Journal of Affective Disorders</i> , 1996 , 40, 137-47	6.6	8
16	Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. <i>BMC Biology</i> , 2021 , 19, 57	7.3	8
15	Emerging pathogenic role for cyclin dependent kinases in neurodegeneration. <i>Cell Cycle</i> , 2004 , 3, 289-914.7	14.7	8
14	Pocket proteins pRb and p107 are required for cortical lamination independent of apoptosis. <i>Developmental Biology</i> , 2013 , 384, 101-13	3.1	7
13	Cdc25A Is a Critical Mediator of Ischemic Neuronal Death and. <i>Journal of Neuroscience</i> , 2017 , 37, 6729-6740	11.0	6
12	The Ontario Neurodegenerative Disease Research Initiative		6
11	The pro-death role of Cited2 in stroke is regulated by E2F1/4 transcription factors. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8617-8629	5.4	5
10	Structural characterization of variant forms of arylsulfatase A that associate with alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 1996 , 20, 234-9	3.7	5
9	Age-associated insolubility of parkin in human midbrain is linked to redox balance and sequestration of reactive dopamine metabolites. <i>Acta Neuropathologica</i> , 2021 , 141, 725-754	14.3	5

8	Animal models of Parkinson's disease. <i>Parkinson's Disease</i> , 2011 , 2011, 364328	2.6	4
7	E2F4 is required for early eye patterning. <i>Developmental Neuroscience</i> , 2009 , 31, 238-46	2.2	4
6	DJ-1 (Park7) affects the gut microbiome, metabolites and the development of innate lymphoid cells (ILCs). <i>Scientific Reports</i> , 2020 , 10, 16131	4.9	3
5	Induction of protein deletion through in utero electroporation to define deficits in neuronal migration in transgenic models. <i>Journal of Visualized Experiments</i> , 2015 , 51983	1.6	2
4	Arylsulfatase A: relationship of genotype to variant electrophoretic properties. <i>Biochemical Genetics</i> , 1996 , 34, 149-61	2.4	1
3	Calpain Proteolysis and the Etiology of Parkinson's Disease: An Emerging Hypothesis 2005 , 25-61		0
2	High Levels of Serum IgG for and CD44 Expression Predict Worse Prognosis for Cholangiocarcinoma Patients after Curative Resection. <i>International Journal of General Medicine</i> , 2021 , 14, 2191-2204	2.3	0
1	Cdk5-mediated JIP1 phosphorylation regulates axonal outgrowth through Notch1 inhibition.. <i>BMC Biology</i> , 2022 , 20, 115	7.3	0