

Etienne C Hirsch

List of Publications by Year in Descending Order

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

292
papers

29,727
citations

89
h-index

165
g-index

301
ext. papers

32,123
ext. citations

6.9
avg, IF

6.82
L-index

#	Paper	IF	Citations
292	Ten Unsolved Questions About Neuroinflammation in Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 16-24	7	60
291	Seven Solutions for Neuroprotection in Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 306-316	7	11
290	Glutaredoxin 1 Downregulation in the Substantia Nigra Leads to Dopaminergic Degeneration in Mice. <i>Movement Disorders</i> , 2020 , 35, 1843-1853	7	2
289	Neuroprotection of dopamine neurons by xenon against low-level excitotoxic insults is not reproduced by other noble gases. <i>Journal of Neural Transmission</i> , 2020 , 127, 27-34	4.3	3
288	Long-term outcome in neuroZika: When biological diagnosis matters. <i>Neurology</i> , 2019 , 92, e2406-e2420	6.5	16
287	Glucocorticoid receptor in astrocytes regulates midbrain dopamine neurodegeneration through connexin hemichannel activity. <i>Cell Death and Differentiation</i> , 2019 , 26, 580-596	12.7	29
286	S29434, a Quinone Reductase 2 Inhibitor: Main Biochemical and Cellular Characterization. <i>Molecular Pharmacology</i> , 2019 , 95, 269-285	4.3	9
285	Hepcidin attenuates amyloid beta-induced inflammatory and pro-oxidant responses in astrocytes and microglia. <i>Journal of Neurochemistry</i> , 2017 , 142, 140-152	6	34
284	The noble gas xenon provides protection and trophic stimulation to midbrain dopamine neurons. <i>Journal of Neurochemistry</i> , 2017 , 142, 14-28	6	22
283	Dysfunction of mitochondrial Lon protease and identification of oxidized protein in mouse brain following exposure to MPTP: Implications for Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2017 , 108, 236-246	7.8	28
282	Analysis of monocyte infiltration in MPTP mice reveals that microglial CX3CR1 protects against neurotoxic over-induction of monocyte-attracting CCL2 by astrocytes. <i>Journal of Neuroinflammation</i> , 2017 , 14, 60	10.1	37
281	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , 2017 , 39, 499-550	8.9	48
280	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Techniques, Side Effects, and Postoperative Imaging. <i>Stereotactic and Functional Neurosurgery</i> , 2016 , 94, 307-319	1.6	41
279	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Anatomy and Terminology. <i>Stereotactic and Functional Neurosurgery</i> , 2016 , 94, 298-306	1.6	33
278	Role of pedunculopontine cholinergic neurons in the vulnerability of nigral dopaminergic neurons in Parkinson's disease. <i>Experimental Neurology</i> , 2016 , 275 Pt 1, 209-19	5.7	25
277	Xenon-mediated neuroprotection in response to sustained, low-level excitotoxic stress. <i>Cell Death Discovery</i> , 2016 , 2, 16018	6.9	17
276	Understanding Dopaminergic Cell Death Pathways in Parkinson Disease. <i>Neuron</i> , 2016 , 90, 675-91	13.9	307

275	Glucocerebrosidase deficiency and mitochondrial impairment in experimental Parkinson disease. <i>Journal of the Neurological Sciences</i> , 2015 , 356, 129-36	3.2	20
274	Effect of melatonin on sleep disorders in a monkey model of Parkinson's disease. <i>Sleep Medicine</i> , 2015 , 16, 1245-51	4.6	21
273	Sparing of orexin-A and orexin-B neurons in the hypothalamus and of orexin fibers in the substantia nigra of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated macaques. <i>European Journal of Neuroscience</i> , 2015 , 41, 129-36	3.5	9
272	Piperazine derivatives as iron chelators: a potential application in neurobiology. <i>BioMetals</i> , 2015 , 28, 1043-61	3.4	11
271	In search of innovative therapeutics for neuropsychiatric disorders: the case of neurodegenerative diseases. <i>Annales Pharmaceutiques Francaises</i> , 2015 , 73, 3-12	1.3	7
270	NMDA receptor GluN2A/GluN2B subunit ratio as synaptic trait of levodopa-induced dyskinesias: from experimental models to patients. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 245	6.1	47
269	The sleep-modulating peptide orexin-B protects midbrain dopamine neurons from degeneration, alone or in cooperation with nicotine. <i>Molecular Pharmacology</i> , 2015 , 87, 525-32	4.3	11
268	Sleep disorders in Parkinsonian macaques: effects of L-dopa treatment and pedunculopontine nucleus lesion. <i>Journal of Neuroscience</i> , 2014 , 34, 9124-33	6.6	35
267	Heat shock protein 60: an endogenous inducer of dopaminergic cell death in Parkinson disease. <i>Journal of Neuroinflammation</i> , 2014 , 11, 86	10.1	30
266	DAP12 and CD11b contribute to the microglial-induced death of dopaminergic neurons in vitro but not in vivo in the MPTP mouse model of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2013 , 10, 82	10.1	9
265	Gait disorders in parkinsonian monkeys with pedunculopontine nucleus lesions: a tale of two systems. <i>Journal of Neuroscience</i> , 2013 , 33, 11986-93	6.6	67
264	Specific needs of dopamine neurons for stimulation in order to survive: implication for Parkinson disease. <i>FASEB Journal</i> , 2013 , 27, 3414-23	0.9	49
263	MFGE8 does not orchestrate clearance of apoptotic neurons in a mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2013 , 51, 192-201	7.5	7
262	The iron-binding protein lactoferrin protects vulnerable dopamine neurons from degeneration by preserving mitochondrial calcium homeostasis. <i>Molecular Pharmacology</i> , 2013 , 84, 888-98	4.3	56
261	Pathogenesis of Parkinson's disease. <i>Movement Disorders</i> , 2013 , 28, 24-30	7	197
260	Bee venom and its component apamin as neuroprotective agents in a Parkinson disease mouse model. <i>PLoS ONE</i> , 2013 , 8, e61700	3.7	73
259	Probenecid potentiates MPTP/MPP+ toxicity by interference with cellular energy metabolism. <i>Journal of Neurochemistry</i> , 2013 , 127, 782-92	6	18
258	Toll like receptor 4 mediates cell death in a mouse MPTP model of Parkinson disease. <i>Scientific Reports</i> , 2013 , 3, 1393	4.9	107

257	Quantitative evaluation of the human subventricular zone. <i>Brain</i> , 2012 , 135, e221, 1-4; author reply e222, 1-6	11.2	9
256	Flavaglines as potent anticancer and cytoprotective agents. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 10064-73	8.3	53
255	Neuronal vulnerability in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2012 , 18 Suppl 1, S52-4.6	3.6	46
254	Neuroinflammation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2012 , 18 Suppl 1, S210-2	3.6	411
253	Aging of the dopaminergic system and motor behavior in mice intoxicated with the parkinsonian toxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Journal of Neurochemistry</i> , 2012 , 122, 1032-46	6	8
252	Normal and pathological gait: what we learn from Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012 , 83, 979-85	5.5	92
251	Tumor necrosis factor-like weak inducer of apoptosis induces astrocyte proliferation through the activation of transforming-growth factor- α /epidermal growth factor receptor signaling pathway. <i>Molecular Pharmacology</i> , 2012 , 82, 948-57	4.3	15
250	Futures pistes thérapeutiques médicamenteuses pour la maladie de Parkinson. <i>Bulletin De L'Académie Nationale De Médecine</i> , 2012 , 196, 1369-1379	0.1	1
249	Effect of mitochondrial complex I inhibition on Fe-S cluster protein activity. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 409, 241-6	3.4	44
248	Internal pallidum and substantia nigra control different parts of the mesopontine reticular formation in primate. <i>Movement Disorders</i> , 2011 , 26, 1648-56	7	21
247	Neuroprotection of midbrain dopamine neurons by nicotine is gated by cytoplasmic Ca ²⁺ . <i>FASEB Journal</i> , 2011 , 25, 2563-73	0.9	63
246	Microglial glucocorticoid receptors play a pivotal role in regulating dopaminergic neurodegeneration in parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6632-7	11.5	159
245	KATP channel blockade protects midbrain dopamine neurons by repressing a glia-to-neuron signaling cascade that ultimately disrupts mitochondrial calcium homeostasis. <i>Journal of Neurochemistry</i> , 2010 , 114, 553-64	6	18
244	Missing pieces in the Parkinson's disease puzzle. <i>Nature Medicine</i> , 2010 , 16, 653-61	50.5	521
243	Cholinergic mesencephalic neurons are involved in gait and postural disorders in Parkinson disease. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2745-54	15.9	301
242	Neuroinflammation in Parkinson's disease: a target for neuroprotection?. <i>Lancet Neurology</i> , 2009 , 8, 382-97	24.1	1326
241	Dysfunction of the subthalamic nucleus induces behavioral and movement disorders in monkeys. <i>Movement Disorders</i> , 2009 , 24, 1183-92	7	33
240	Protection of midbrain dopaminergic neurons by the end-product of purine metabolism uric acid: potentiation by low-level depolarization. <i>Journal of Neurochemistry</i> , 2009 , 109, 1118-28	6	66

239	Evidence for a dopaminergic innervation of the pedunculopontine nucleus in monkeys, and its drastic reduction after MPTP intoxication. <i>Journal of Neurochemistry</i> , 2009 , 110, 1321-9	6	37
238	Iron transport in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2009 , 15 Suppl 3, S209-11	3.6	27
237	Infiltration of CD4+ lymphocytes into the brain contributes to neurodegeneration in a mouse model of Parkinson disease. <i>Journal of Clinical Investigation</i> , 2009 , 119, 182-92	15.9	668
236	Modelling Parkinson-like neurodegeneration via osmotic minipump delivery of MPTP and probenecid. <i>Journal of Neurochemistry</i> , 2008 , 107, 701-11	6	61
235	Paraxanthine, the primary metabolite of caffeine, provides protection against dopaminergic cell death via stimulation of ryanodine receptor channels. <i>Molecular Pharmacology</i> , 2008 , 74, 980-9	4.3	67
234	Behavioral recovery in MPTP-treated monkeys: neurochemical mechanisms studied by intrastriatal microdialysis. <i>Journal of Neuroscience</i> , 2008 , 28, 9575-84	6.6	70
233	Divalent metal transporter 1 (DMT1) contributes to neurodegeneration in animal models of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18578-83	11.5	314
232	Increased mRNA expression of cytochrome oxidase in dorsal raphe nucleus of depressive suicide victims. <i>Neuropsychiatric Disease and Treatment</i> , 2008 , 4, 413-6	3.1	6
231	Dissociated mesencephalic cultures 2008 , 389-408		
230	Role of activity-dependent mechanisms in the control of dopaminergic neuron survival. <i>Journal of Neurochemistry</i> , 2007 , 101, 289-97	6	39
229	Donepezil induces a cholinergic sprouting in basocortical degeneration. <i>Journal of Neurochemistry</i> , 2007 , 102, 434-40	6	20
228	Localization of D1a dopamine receptors on cell bodies and axonal endings in the substantia nigra pars reticulata of the rat. <i>Journal of Neural Transmission</i> , 2007 , 114, 1509-17	4.3	1
227	Metabolic activity of cerebellar and basal ganglia-thalamic neurons is reduced in parkinsonism. <i>Brain</i> , 2007 , 130, 265-75	11.2	55
226	Activation of the subventricular zone in multiple sclerosis: evidence for early glial progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4694-9	11.5	248
225	The pRb/E2F cell-cycle pathway mediates cell death in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3585-90	11.5	217
224	Atypical parkinsonism in Guadeloupe: a common risk factor for two closely related phenotypes?. <i>Brain</i> , 2007 , 130, 816-27	11.2	83
223	Animal models in neurodegenerative diseases. <i>Journal of Neural Transmission Supplementum</i> , 2007 , 87-90		19
222	A new model to study compensatory mechanisms in MPTP-treated monkeys exhibiting recovery. <i>Brain</i> , 2007 , 130, 2898-914	11.2	108

221	Annonacin, a natural mitochondrial complex I inhibitor, causes tau pathology in cultured neurons. <i>Journal of Neuroscience</i> , 2007 , 27, 7827-37	6.6	151
220	Altered expression of vesicular glutamate transporters VGLUT1 and VGLUT2 in Parkinson disease. <i>Neurobiology of Aging</i> , 2007 , 28, 568-78	5.6	83
219	How to improve neuroprotection in Parkinson's disease?. <i>Parkinsonism and Related Disorders</i> , 2007 , 13 Suppl 3, S332-5	3.6	8
218	Regional vulnerability of mesencephalic dopaminergic neurons prone to degenerate in Parkinson's disease: a post-mortem study in human control subjects. <i>Neurobiology of Disease</i> , 2006 , 23, 409-21	7.5	16
217	New striatal dopamine neurons in MPTP-treated macaques result from a phenotypic shift and not neurogenesis. <i>Brain</i> , 2006 , 129, 1194-200	11.2	113
216	Involvement of mitochondrial complex II defects in neuronal death produced by N-terminus fragment of mutated huntingtin. <i>Molecular Biology of the Cell</i> , 2006 , 17, 1652-63	3.5	203
215	Dopaminergic substantia nigra neurons project topographically organized to the subventricular zone and stimulate precursor cell proliferation in aged primates. <i>Journal of Neuroscience</i> , 2006 , 26, 2321-5	6.6	130
214	The phenotypic differentiation of locus ceruleus noradrenergic neurons mediated by brain-derived neurotrophic factor is enhanced by corticotropin releasing factor through the activation of a cAMP-dependent signaling pathway. <i>Molecular Pharmacology</i> , 2006 , 70, 30-40	4.3	64
213	Dopaminergic neurons reduced to silence by oxidative stress: an early step in the death cascade in Parkinson's disease?. <i>Science Signaling</i> , 2006 , 2006, pe19	8.8	8
212	Parafascicular nucleus projection to the extrastriatal basal ganglia in monkeys. <i>NeuroReport</i> , 2006 , 17, 277-80	1.7	12
211	Novel pharmacological targets for the treatment of Parkinson's disease. <i>Nature Reviews Drug Discovery</i> , 2006 , 5, 845-54	64.1	229
210	Cystamine and cysteamine increase brain levels of BDNF in Huntington disease via HSP1b and transglutaminase. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1410-24	15.9	176
209	Granulocyte colony-stimulating factor is not protective against selective dopaminergic cell death in vitro. <i>Neuroscience Letters</i> , 2005 , 383, 44-8	3.3	5
208	Neuroinflammatory processes in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2005 , 11 Suppl 1, S9-S15	3.6	154
207	The neurotransmitter noradrenaline rescues septal cholinergic neurons in culture from degeneration caused by low-level oxidative stress. <i>Molecular Pharmacology</i> , 2005 , 67, 1882-91	4.3	54
206	Proliferation of microglial cells induced by 1-methyl-4-phenylpyridinium in mesencephalic cultures results from an astrocyte-dependent mechanism: role of granulocyte macrophage colony-stimulating factor. <i>Journal of Neurochemistry</i> , 2005 , 95, 1069-77	6	30
205	The mitochondrial complex I inhibitor rotenone triggers a cerebral tauopathy. <i>Journal of Neurochemistry</i> , 2005 , 95, 930-9	6	158
204	Experimental evidence for a toxic etiology of tropical parkinsonism. <i>Movement Disorders</i> , 2005 , 20, 118-9		16

203	The pallidsubthalamic projection: an anatomical substrate for nonmotor functions of the subthalamic nucleus in primates. <i>Movement Disorders</i> , 2005 , 20, 172-80	7	96
202	Changes in vascularization in substantia nigra pars compacta of monkeys rendered parkinsonian. <i>Journal of Neural Transmission</i> , 2005 , 112, 1237-48	4.3	75
201	Thalamic neuronal activity in dopamine-depleted primates: evidence for a loss of functional segregation within basal ganglia circuits. <i>Journal of Neuroscience</i> , 2005 , 25, 1523-31	6.6	132
200	Substance P, neurokinins A and B, and synthetic tachykinin peptides protect mesencephalic dopaminergic neurons in culture via an activity-dependent mechanism. <i>Molecular Pharmacology</i> , 2005 , 68, 1214-24	4.3	34
199	Blood vessels and parkinsonism. <i>Frontiers in Bioscience - Landmark</i> , 2004 , 9, 277-82	2.8	32
198	Persistent increase in olfactory type G-protein alpha subunit levels may underlie D1 receptor functional hypersensitivity in Parkinson disease. <i>Journal of Neuroscience</i> , 2004 , 24, 7007-14	6.6	127
197	Behavioural disorders induced by external globus pallidus dysfunction in primates: I. Behavioural study. <i>Brain</i> , 2004 , 127, 2039-54	11.2	172
196	Behavioural disorders induced by external globus pallidus dysfunction in primates II. Anatomical study. <i>Brain</i> , 2004 , 127, 2055-70	11.2	94
195	Rescue of mesencephalic dopaminergic neurons in culture by low-level stimulation of voltage-gated sodium channels. <i>Journal of Neuroscience</i> , 2004 , 24, 5922-30	6.6	99
194	JNK-mediated induction of cyclooxygenase 2 is required for neurodegeneration in a mouse model of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 665-70	11.5	350
193	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism. I. Effects of task complexity. <i>European Journal of Neuroscience</i> , 2004 , 19, 426-36	3.5	22
192	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism: II. Effects of reward preference. <i>European Journal of Neuroscience</i> , 2004 , 19, 437-46	3.5	25
191	Dopamine depletion impairs precursor cell proliferation in Parkinson disease. <i>Nature Neuroscience</i> , 2004 , 7, 726-35	25.5	734
190	Ultrastructural localization of parkin in the rat brainstem, thalamus and basal ganglia. <i>Journal of Neural Transmission</i> , 2004 , 111, 1209-18	4.3	25
189	A tribute for Prof. Dr. Melvin D. Yahr, M.D. (1917-2004). <i>Journal of Neural Transmission</i> , 2004 , 111, 1205-8.	4.3	
188	Evidence of active microglia in substantia nigra pars compacta of parkinsonian monkeys 1 year after MPTP exposure. <i>Glia</i> , 2004 , 46, 402-9	9	160
187	Annonacin, a lipophilic inhibitor of mitochondrial complex I, induces nigral and striatal neurodegeneration in rats: possible relevance for atypical parkinsonism in Guadeloupe. <i>Journal of Neurochemistry</i> , 2004 , 88, 63-9	6	162
186	The role of glial reaction and inflammation in Parkinson's disease. <i>Annals of the New York Academy of Sciences</i> , 2003 , 991, 214-28	6.5	344

185	Parkin prevents mitochondrial swelling and cytochrome c release in mitochondria-dependent cell death. <i>Human Molecular Genetics</i> , 2003 , 12, 517-26	5.6	310
184	The p38 subunit of the aminoacyl-tRNA synthetase complex is a Parkin substrate: linking protein biosynthesis and neurodegeneration. <i>Human Molecular Genetics</i> , 2003 , 12, 1427-37	5.6	198
183	Impairment of context-adapted movement selection in a primate model of presymptomatic Parkinson's disease. <i>Brain</i> , 2003 , 126, 1392-408	11.2	32
182	Cigarette smoke and nicotine protect dopaminergic neurons against the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Parkinsonian toxin. <i>Brain Research</i> , 2003 , 984, 224-32	3.7	81
181	Neuroinflammatory processes in Parkinson's disease. <i>Annals of Neurology</i> , 2003 , 53 Suppl 3, S49-58; discussion S58-60	9.4	298
180	Chronic systemic complex I inhibition induces a hypokinetic multisystem degeneration in rats. <i>Journal of Neurochemistry</i> , 2003 , 84, 491-502	6	253
179	Changes in GAD67 mRNA expression evidenced by in situ hybridization in the brain of R6/2 transgenic mice. <i>Journal of Neurochemistry</i> , 2003 , 86, 1369-78	6	23
178	Neuromelanin associated redox-active iron is increased in the substantia nigra of patients with Parkinson's disease. <i>Journal of Neurochemistry</i> , 2003 , 86, 1142-8	6	181
177	Dysfunction of mitochondrial complex I and the proteasome: interactions between two biochemical deficits in a cellular model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2003 , 86, 1297-307	6	220
176	Effect of subthalamic nucleus or entopeduncular nucleus lesion on levodopa-induced neurochemical changes within the basal ganglia and on levodopa-induced motor alterations in 6-hydroxydopamine-lesioned rats. <i>Journal of Neurochemistry</i> , 2003 , 86, 1328-37	6	33
175	Tremor-related activity of neurons in the 'motor' thalamus: changes in firing rate and pattern in the MPTP vervet model of parkinsonism. <i>European Journal of Neuroscience</i> , 2003 , 17, 2388-400	3.5	55
174	Quantitative analysis of dopaminergic loss in relation to functional territories in MPTP-treated monkeys. <i>European Journal of Neuroscience</i> , 2003 , 18, 2082-6	3.5	38
173	Inflammation and dopaminergic neuronal loss in Parkinson's disease: a complex matter. <i>Experimental Neurology</i> , 2003 , 184, 561-4	5.7	47
172	The mitochondrial complex I inhibitor annonacin is toxic to mesencephalic dopaminergic neurons by impairment of energy metabolism. <i>Neuroscience</i> , 2003 , 121, 287-96	3.9	129
171	Behavioral changes are not directly related to striatal monoamine levels, number of nigral neurons, or dose of parkinsonian toxin MPTP in mice. <i>Neurobiology of Disease</i> , 2003 , 14, 218-28	7.5	79
170	Behavioral consequences of bicuculline injection in the subthalamic nucleus and the zona incerta in rat. <i>Journal of Neuroscience</i> , 2002 , 22, 8711-9	6.6	61
169	Levodopa but not ropinirole induces an internalization of D1 dopamine receptors in parkinsonian rats. <i>Movement Disorders</i> , 2002 , 17, 1174-9	7	24
168	Distribution and morphology of nigral axons projecting to the thalamus in primates. <i>Journal of Comparative Neurology</i> , 2002 , 447, 249-60	3.4	36

167	Three-dimensional cartography of functional territories in the human striatopallidal complex by using calbindin immunoreactivity. <i>Journal of Comparative Neurology</i> , 2002 , 450, 122-34	3.4	67
166	Metabolic changes in the basal ganglia of patients with Huntington's disease: an in situ hybridization study of cytochrome oxidase subunit I mRNA. <i>Journal of Neurochemistry</i> , 2002 , 80, 466-76	6	9
165	Protective action of the peroxisome proliferator-activated receptor-gamma agonist pioglitazone in a mouse model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2002 , 82, 615-24	6	291
164	Lack of up-regulation of ferritin is associated with sustained iron regulatory protein-1 binding activity in the substantia nigra of patients with Parkinson's disease. <i>Journal of Neurochemistry</i> , 2002 , 83, 320-30	6	92
163	AMPA receptor antagonist LY293558 reverses preproenkephalin mRNA overexpression in the striatum of 6-OHDA-lesioned-rats treated with L-dopa. <i>European Journal of Neuroscience</i> , 2002 , 16, 2236-40	3.5	20
162	Blood Vessels And Neurodegeneration In Parkinson's Disease. <i>Advances in Behavioral Biology</i> , 2002 , 341-347		2
161	Role of TNF-alpha receptors in mice intoxicated with the parkinsonian toxin MPTP. <i>Experimental Neurology</i> , 2002 , 177, 183-92	5.7	70
160	Increased expression and redistribution of the antiapoptotic molecule Bcl-xL in Parkinson's disease. <i>Neurobiology of Disease</i> , 2002 , 10, 28-32	7.5	40
159	FADD: A link between TNF family receptors and caspases in Parkinson's disease. <i>Neurology</i> , 2002 , 58, 308-10	6.5	55
158	Consequences of dopaminergic denervation on the metabolic activity of the cortical neurons projecting to the subthalamic nucleus in the rat. <i>Journal of Neuroscience</i> , 2002 , 22, 8762-70	6.6	44
157	Anatomo-Chemical Organization of the Basal Ganglia Circuitry in the Normal and Parkinsonian States. <i>Advances in Behavioral Biology</i> , 2002 , 521-530		
156	Inflammatory Changes and Apoptosis in Parkinson's Disease. <i>Advances in Behavioral Biology</i> , 2002 , 259-263		2
155	Caspase-8 is an effector in apoptotic death of dopaminergic neurons in Parkinson's disease, but pathway inhibition results in neuronal necrosis. <i>Journal of Neuroscience</i> , 2001 , 21, 2247-55	6.6	222
154	Is Bax a mitochondrial mediator in apoptotic death of dopaminergic neurons in Parkinson's disease?. <i>Journal of Neurochemistry</i> , 2001 , 76, 1785-93	6	115
153	LY293558, an AMPA glutamate receptor antagonist, prevents and reverses levodopa-induced motor alterations in Parkinsonian rats. <i>Synapse</i> , 2001 , 42, 40-7	2.4	44
152	Caspase-3 activation in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-treated mice. <i>Movement Disorders</i> , 2001 , 16, 185-9	7	93
151	Plasticity of afferent fibers to striatal neurons bearing D1 dopamine receptors in Parkinson's disease. <i>Movement Disorders</i> , 2001 , 16, 435-41	7	9
150	Parkin immunoreactivity in the brain of human and non-human primates: an immunohistochemical analysis in normal conditions and in Parkinsonian syndromes. <i>Journal of Comparative Neurology</i> , 2001 , 432, 184-96	3.4	46

149	Nicotine, but not cotinine, partially protects dopaminergic neurons against MPTP-induced degeneration in mice. <i>Brain Research</i> , 2001 , 890, 347-50	3.7	38
148	The inflammatory response in the Parkinson brain. <i>Clinical Neuroscience Research</i> , 2001 , 1, 434-443		33
147	Expression of tachykinin NK2 receptor mRNA in human brain. <i>Neuroscience Letters</i> , 2001 , 303, 25-8	3.3	25
146	Cloning of rat parkin cDNA and distribution of parkin in rat brain. <i>Journal of Neurochemistry</i> , 2000 , 74, 1773-6	6	31
145	Ipsilateral and contralateral subthalamic activity after unilateral dopaminergic lesion. <i>NeuroReport</i> , 2000 , 11, 3275-8	1.7	41
144	Distribution of ataxin-7 in normal human brain and retina. <i>Brain</i> , 2000 , 123 Pt 12, 2519-30	11.2	50
143	Calpastatin immunoreactivity in the monkey and human brain of control subjects and patients with Parkinson's disease. <i>Journal of Comparative Neurology</i> , 2000 , 419, 175-92	3.4	17
142	Dopaminergic innervation of the subthalamic nucleus in the normal state, in MPTP-treated monkeys, and in Parkinson's disease patients. <i>Journal of Comparative Neurology</i> , 2000 , 425, 121-9	3.4	89
141	Mitochondrial free calcium levels (Rhod-2 fluorescence) and ultrastructural alterations in neuronally differentiated PC12 cells during ceramide-dependent cell death. <i>Journal of Comparative Neurology</i> , 2000 , 426, 297-315	3.4	42
140	Levodopa induces a cytoplasmic localization of D1 dopamine receptors in striatal neurons in Parkinson's disease. <i>Annals of Neurology</i> , 2000 , 47, 136-136	9.4	
139	Evolution of changes in neuronal activity in the subthalamic nucleus of rats with unilateral lesion of the substantia nigra assessed by metabolic and electrophysiological measurements. <i>European Journal of Neuroscience</i> , 2000 , 12, 337-44	3.5	144
138	Dopaminergic innervation of the pallidum in the normal state, in MPTP-treated monkeys and in parkinsonian patients. <i>European Journal of Neuroscience</i> , 2000 , 12, 4525-4535	3.5	6
137	Glial cells and Parkinson's disease. <i>Journal of Neurology</i> , 2000 , 247 Suppl 2, 1158-62	5.5	43
136	Preservation of midbrain catecholaminergic neurons in very old human subjects. <i>Brain</i> , 2000 , 123 (Pt 2), 366-73	11.2	116
135	Caspase-3: A vulnerability factor and final effector in apoptotic death of dopaminergic neurons in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 2875-80	11.5	586
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