Etienne C Hirsch

List of Publications by Year
in descending order

299	35,155	2802 94	3915 177
papers	citations	h-index	g-index

301	301	301	25958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Special issue in honor of Peter Riederer at the occasion of his 80th birthday. Journal of Neural Transmission, 2022, , .	2.8	0
2	Ten Unsolved Questions About Neuroinflammation in Parkinson's Disease. Movement Disorders, 2021, 36, 16-24.	3.9	133
3	Seven Solutions for Neuroprotection in Parkinson's Disease. Movement Disorders, 2021, 36, 306-316.	3.9	33
4	Neuroprotection of dopamine neurons by xenon against low-level excitotoxic insults is not reproduced by other noble gases. Journal of Neural Transmission, 2020, 127, 27-34.	2.8	8
5	Glutaredoxin 1 Downregulation in the Substantia Nigra Leads to Dopaminergic Degeneration in Mice. Movement Disorders, 2020, 35, 1843-1853.	3.9	8
6	Glucocorticoid receptor in astrocytes regulates midbrain dopamine neurodegeneration through connexin hemichannel activity. Cell Death and Differentiation, 2019, 26, 580-596.	11.2	53
7	Journal of Neural Transmission: a scientific journal devoted since 1950 to the translation of neuroscience into clinical practice. Journal of Neural Transmission, 2019, 126, 359-365.	2.8	2
8	Long-term outcome in neuroZika. Neurology, 2019, 92, e2406-e2420.	1.1	26
9	S29434, a Quinone Reductase 2 Inhibitor: Main Biochemical and Cellular Characterization. Molecular Pharmacology, 2019, 95, 269-285.	2.3	21
10	Hepcidin attenuates amyloid betaâ€induced inflammatory and proâ€oxidant responses in astrocytes and microglia. Journal of Neurochemistry, 2017, 142, 140-152.	3.9	49
11	The noble gas xenon provides protection and trophic stimulation to midbrain dopamine neurons. Journal of Neurochemistry, 2017, 142, 14-28.	3.9	33
12	Dysfunction of mitochondrial Lon protease and identification of oxidized protein in mouse brain following exposure to MPTP: Implications for Parkinson disease. Free Radical Biology and Medicine, 2017, 108, 236-246.	2.9	36
13	Analysis of monocyte infiltration in MPTP mice reveals that microglial CX3CR1 protects against neurotoxic over-induction of monocyte-attracting CCL2 by astrocytes. Journal of Neuroinflammation, 2017, 14, 60.	7.2	50
14	The Oxygen Paradox, the French Paradox, and age-related diseases. GeroScience, 2017, 39, 499-550.	4.6	59
15	Introducing â€œHigh Impact Reviewsâ€. Journal of Neural Transmission, 2016, 123, 553-553.	2.8	0
16	Xenon-mediated neuroprotection in response to sustained, low-level excitotoxic stress. Cell Death Discovery, 2016, 2, 16018.	4.7	27
17	Understanding Dopaminergic Cell Death Pathways in Parkinson Disease. Neuron, 2016, 90, 675-691.	8.1	460
18	Neuroprotective and neurorestorative potential of xenon. Cell Death and Disease, 2016, 7, e2182-e2182.	6.3	19

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19	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Techniques, Side Effects, and Postoperative Imaging. Stereotactic and Functional Neurosurgery, 2016, 94, 307-319.	1.5	54
20	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Anatomy and Terminology. Stereotactic and Functional Neurosurgery, 2016, 94, 298-306.	1.5	452
21	Role of pedunculopontine cholinergic neurons in the vulnerability of nigral dopaminergic neurons in Parkinson's disease. Experimental Neurology, 2016, 275, 209-219.	4.1	36
22	NMDA receptor GluN2A/GluN2B subunit ratio as synaptic trait of levodopa-induced dyskinesias: from experimental models to patients. Frontiers in Cellular Neuroscience, 2015, 9, 245.	3.7	68
23	The Sleep-Modulating Peptide Orexin-B Protects Midbrain Dopamine Neurons from Degeneration, Alone or in Cooperation with Nicotine. Molecular Pharmacology, 2015, 87, 525-532.	2.3	15
24	Glucocerebrosidase deficiency and mitochondrial impairment in experimental Parkinson disease. Journal of the Neurological Sciences, 2015, 356, 129-136.	0.6	23
25	Effect of melatonin on sleep disorders in a monkey model of Parkinson's disease. Sleep Medicine, 2015, 16, 1245-1251.	1.6	26
26	Sparing of orexinâ€<scp>A</scp> and orexinâ€<scp>B</scp> neurons in the hypothalamus and of orexin fibers in the substantia nigra of 1â€methylâ€4â€phenylâ€1,2,3,6â€tetrahydropyridineâ€treated macaques. European Journal of Neuroscience, 2015, 41, 129-136.	3.6	24
27	Piperazine derivatives as iron chelators: a potential application in neurobiology. BioMetals, 2015, 28, 1043-1061.	4.1	15
28	In search of innovative therapeutics for neuropsychiatric disorders: The case of neurodegenerative diseases. Annales Pharmaceutiques Francaises, 2015, 73, 3-12.	1.0	9
29	The Global Fight Against Dementia. Science Translational Medicine, 2014, 6, 267ed22.	12.4	3
30	Sleep Disorders in Parkinsonian Macaques: Effects of L-Dopa Treatment and Pedunculopontine Nucleus Lesion. Journal of Neuroscience, 2014, 34, 9124-9133.	3.6	43
31	Heat shock protein 60: an endogenous inducer of dopaminergic cell death in Parkinson disease. Journal of Neuroinflammation, 2014, 11, 86.	7.2	33
32	DAP12 and CD11b contribute to the microglial-induced death of dopaminergic neurons in vitro but not in vivo in the MPTP mouse model of Parkinsonâ€™s disease. Journal of Neuroinflammation, 2013, 10, 82.	7.2	11
33	Gait Disorders in Parkinsonian Monkeys with Pedunculopontine Nucleus Lesions: A Tale of Two Systems. Journal of Neuroscience, 2013, 33, 11986-11993.	3.6	80
34	Specific needs of dopamine neurons for stimulation in order to survive: implication for Parkinson disease. FASEB Journal, 2013, 27, 3414-3423.	0.5	59
35	MFGE8 does not orchestrate clearance of apoptotic neurons in a mouse model of Parkinson's disease. Neurobiology of Disease, 2013, 51, 192-201.	4.4	9
36	The Iron-Binding Protein Lactoferrin Protects Vulnerable Dopamine Neurons from Degeneration by Preserving Mitochondrial Calcium Homeostasis. Molecular Pharmacology, 2013, 84, 888-898.	2.3	68

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37	Pathogenesis of Parkinson's disease. Movement Disorders, 2013, 28, 24-30.	3.9	256
38	Bee Venom and Its Component Apamin as Neuroprotective Agents in a Parkinson Disease Mouse Model. PLoS ONE, 2013, 8, e61700.	2.5	93
39	Probenecid potentiates <scp>MPTP</scp>/<scp>MPP</scp>⁺ toxicity by interference with cellular energy metabolism. Journal of Neurochemistry, 2013, 127, 782-792.	3.9	25
40	Toll like receptor 4 mediates cell death in a mouse MPTP model of Parkinson disease. Scientific Reports, 2013, 3, 1393.	3.3	134
41	Tumor Necrosis Factor-Like Weak Inducer of Apoptosis Induces Astrocyte Proliferation through the Activation of Transforming-Growth Factor-Î±/Epidermal Growth Factor Receptor Signaling Pathway. Molecular Pharmacology, 2012, 82, 948-957.	2.3	15
42	Quantitative evaluation of the human subventricular zone. Brain, 2012, 135, e221-e221.	7.6	9
43	Flavaglines as Potent Anticancer and Cytoprotective Agents. Journal of Medicinal Chemistry, 2012, 55, 10064-10073.	6.4	63
44	Neuronal vulnerability in Parkinson's disease. Parkinsonism and Related Disorders, 2012, 18, S52-S54.	2.2	49
45	Neuroinflammation in Parkinson's disease. Parkinsonism and Related Disorders, 2012, 18, S210-S212.	2.2	516
46	Aging of the dopaminergic system and motor behavior in mice intoxicated with the parkinsonian toxin 1â€methylâ€4â€phenylâ€1,2,3,6â€tetrahydropyridine. Journal of Neurochemistry, 2012, 122, 1032-1046.	3.9	9
47	Normal and pathological gait: what we learn from Parkinson's disease: Figure 1. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 979-985.	1.9	116
48	Futures pistes thÃ©rapeutiques mÃ©dicamenteuses pour la maladie de Parkinson. Bulletin De L'Academie Nationale De Medecine, 2012, 196, 1369-1379.	0.0	1
49	Effect of mitochondrial complex I inhibition on Feâ€“S cluster protein activity. Biochemical and Biophysical Research Communications, 2011, 409, 241-246.	2.1	60
50	Internal pallidum and substantia nigra control different parts of the mesopontine reticular formation in primate. Movement Disorders, 2011, 26, 1648-1656.	3.9	22
51	Neuroprotection of midbrain dopamine neurons by nicotine is gated by cytoplasmic Ca ²⁺. FASEB Journal, 2011, 25, 2563-2573.	0.5	72
52	Microglial glucocorticoid receptors play a pivotal role in regulating dopaminergic neurodegeneration in parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6632-6637.	7.1	184
53	Editorial. Journal of Neural Transmission, 2010, 117, 897-898.	2.8	3
54	K_{ATP} channel blockade protects midbrain dopamine neurons by repressing a gliaâ€toâ€neuron signaling cascade that ultimately disrupts mitochondrial calcium homeostasis. Journal of Neurochemistry, 2010, 114, 553-564.	3.9	23

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55	Missing pieces in the Parkinson's disease puzzle. Nature Medicine, 2010, 16, 653-661.	30.7	621
56	Cholinergic mesencephalic neurons are involved in gait and postural disorders in Parkinson disease. Journal of Clinical Investigation, 2010, 120, 2745-2754.	8.2	359
57	Infiltration of CD4+ lymphocytes into the brain contributes to neurodegeneration in a mouse model of Parkinson disease. Journal of Clinical Investigation, 2009, 119, 182-92.	8.2	875
58	Neuroinflammation in Parkinson's disease: a target for neuroprotection?. Lancet Neurology, The, 2009, 8, 382-397.	10.2	1,648
59	Dysfunction of the subthalamic nucleus induces behavioral and movement disorders in monkeys. Movement Disorders, 2009, 24, 1183-1192.	3.9	42
60	Protection of midbrain dopaminergic neurons by the endâ€product of purine metabolism uric acid: potentiation by lowâ€level depolarization. Journal of Neurochemistry, 2009, 109, 1118-1128.	3.9	79
61	Evidence for a dopaminergic innervation of the pedunculopontine nucleus in monkeys, and its drastic reduction after MPTP intoxication. Journal of Neurochemistry, 2009, 110, 1321-1329.	3.9	47
62	Iron transport in Parkinson's disease. Parkinsonism and Related Disorders, 2009, 15, S209-S211.	2.2	34
63	Dissociated mesencephalic cultures. , 2008, , 389-408.		0
64	Modelling Parkinsonâ€like neurodegeneration via osmotic minipump delivery of MPTP and probenecid. Journal of Neurochemistry, 2008, 107, 701-711.	3.9	67
65	Paraxanthine, the Primary Metabolite of Caffeine, Provides Protection against Dopaminergic Cell Death via Stimulation of Ryanodine Receptor Channels. Molecular Pharmacology, 2008, 74, 980-989.	2.3	86
66	Behavioral Recovery in MPTP-Treated Monkeys: Neurochemical Mechanisms Studied by Intrastriatal Microdialysis. Journal of Neuroscience, 2008, 28, 9575-9584.	3.6	84
67	Divalent metal transporter 1 (DMT1) contributes to neurodegeneration in animal models of Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18578-18583.	7.1	354
68	Increased mRNA expression of cytochrome oxidase in dorsal raphe nucleus of depressive suicide victims. Neuropsychiatric Disease and Treatment, 2008, 4, 413.	2.2	6
69	Activation of the subventricular zone in multiple sclerosis: Evidence for early glial progenitors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4694-4699.	7.1	299
70	The pRb/E2F cell-cycle pathway mediates cell death in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3585-3590.	7.1	245
71	Atypical parkinsonism in Guadeloupe: a common risk factor for two closely related phenotypes?. Brain, 2007, 130, 816-827.	7.6	99
72	Animal models in neurodegenerative diseases. , 2007, , 87-90.		20

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73	A new model to study compensatory mechanisms in MPTP-treated monkeys exhibiting recovery. Brain, 2007, 130, 2898-2914.	7.6	124
74	Annonacin, a Natural Mitochondrial Complex I Inhibitor, Causes Tau Pathology in Cultured Neurons. Journal of Neuroscience, 2007, 27, 7827-7837.	3.6	176
75	Altered expression of vesicular glutamate transporters VGLUT1 and VGLUT2 in Parkinson disease. Neurobiology of Aging, 2007, 28, 568-578.	3.1	109
76	How to improve neuroprotection in Parkinson's disease?. Parkinsonism and Related Disorders, 2007, 13, S332-S335.	2.2	22
77	Role of activity-dependent mechanisms in the control of dopaminergic neuron survival. Journal of Neurochemistry, 2007, 101, 289-297.	3.9	42
78	Donepezil induces a cholinergic sprouting in basocortical degeneration. Journal of Neurochemistry, 2007, 102, 434-440.	3.9	23
79	Localization of D1a dopamine receptors on cell bodies and axonal endings in the substantia nigra pars reticulata of the rat. Journal of Neural Transmission, 2007, 114, 1509-1517.	2.8	1
80	Dopaminergic Neurons Reduced to Silence by Oxidative Stress: An Early Step in the Death Cascade in Parkinson's Disease?. Science Signaling, 2006, 2006, pe19-pe19.	3.6	9
81	Parafascicular nucleus projection to the extrastriatal basal ganglia in monkeys. NeuroReport, 2006, 17, 277-280.	1.2	16
82	Novel pharmacological targets for the treatment of Parkinson's disease. Nature Reviews Drug Discovery, 2006, 5, 845-854.	46.4	262
83	Regional vulnerability of mesencephalic dopaminergic neurons prone to degenerate in Parkinson's disease: A post-mortem study in human control subjects. Neurobiology of Disease, 2006, 23, 409-421.	4.4	21
84	Metabolic activity of cerebellar and basal ganglia-thalamic neurons is reduced in parkinsonism. Brain, 2006, 130, 265-275.	7.6	66
85	New striatal dopamine neurons in MPTP-treated macaques result from a phenotypic shift and not neurogenesis. Brain, 2006, 129, 1194-1200.	7.6	124
86	Involvement of Mitochondrial Complex II Defects in Neuronal Death Produced by N-Terminus Fragment of Mutated Huntingtin. Molecular Biology of the Cell, 2006, 17, 1652-1663.	2.1	217
87	Dopaminergic Substantia Nigra Neurons Project Topographically Organized to the Subventricular Zone and Stimulate Precursor Cell Proliferation in Aged Primates. Journal of Neuroscience, 2006, 26, 2321-2325.	3.6	138
88	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. Molecular Pharmacology, 2006, 70, 30-40.	2.3	71
89	Cystamine and cysteamine increase brain levels of BDNF in Huntington disease via HSJ1b and transglutaminase. Journal of Clinical Investigation, 2006, 116, 1410-1424.	8.2	211
90	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. Journal of Neurochemistry, 2005, 95, 1069-1077.	3.9	31

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91	The mitochondrial complex I inhibitor rotenone triggers a cerebral tauopathy. Journal of Neurochemistry, 2005, 95, 930-939.	3.9	183
92	Experimental evidence for a toxic etiology of tropical parkinsonism. Movement Disorders, 2005, 20, 118-119.	3.9	18
93	The pallidosubthalamic projection: An anatomical substrate for nonmotor functions of the subthalamic nucleus in primates. Movement Disorders, 2005, 20, 172-180.	3.9	116
94	Changes in vascularization in substantia nigra pars compacta of monkeys rendered parkinsonian. Journal of Neural Transmission, 2005, 112, 1237-1248.	2.8	94
95	Thalamic Neuronal Activity in Dopamine-Depleted Primates: Evidence for a Loss of Functional Segregation within Basal Ganglia Circuits. Journal of Neuroscience, 2005, 25, 1523-1531.	3.6	153
96	Substance P, Neurokinins A and B, and Synthetic Tachykinin Peptides Protect Mesencephalic Dopaminergic Neurons in Culture via an Activity-Dependent Mechanism. Molecular Pharmacology, 2005, 68, 1214-1224.	2.3	38
97	Granulocyte colony-stimulating factor is not protective against selective dopaminergic cell death in vitro. Neuroscience Letters, 2005, 383, 44-48.	2.1	5
98	Neuroinflammatory processes in Parkinson's disease. Parkinsonism and Related Disorders, 2005, 11, S9-S15.	2.2	181
99	The Neurotransmitter Noradrenaline Rescues Septal Cholinergic Neurons in Culture from Degeneration Caused by Low-Level Oxidative Stress. Molecular Pharmacology, 2005, 67, 1882-1891.	2.3	58
100	Annonacin, a lipophilic inhibitor of mitochondrial complex I, induces nigral and striatal neurodegeneration in rats: possible relevance for atypical parkinsonism in Guadeloupe. Journal of Neurochemistry, 2004, 88, 63-69.	3.9	187
101	Blood vessels and Parkinsonism. Frontiers in Bioscience - Landmark, 2004, 9, 277.	3.0	34
102	Persistent Increase in Olfactory Type G-Protein Â Subunit Levels May Underlie D1 Receptor Functional Hypersensitivity in Parkinson Disease. Journal of Neuroscience, 2004, 24, 7007-7014.	3.6	146
103	Behavioural disorders induced by external globus pallidus dysfunction in primates: I. Behavioural study. Brain, 2004, 127, 2039-2054.	7.6	210
104	Behavioural disorders induced by external globus pallidus dysfunction in primates II. Anatomical study. Brain, 2004, 127, 2055-2070.	7.6	171
105	Rescue of Mesencephalic Dopaminergic Neurons in Culture by Low-Level Stimulation of Voltage-Gated Sodium Channels. Journal of Neuroscience, 2004, 24, 5922-5930.	3.6	106
106	JNK-mediated induction of cyclooxygenase 2 is required for neurodegeneration in a mouse model of Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 665-670.	7.1	396
107	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism. I. Effects of task complexity. European Journal of Neuroscience, 2004, 19, 426-436.	2.6	25
108	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism: II. Effects of reward preference. European Journal of Neuroscience, 2004, 19, 437-446.	2.6	27

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109	Dopamine depletion impairs precursor cell proliferation in Parkinson disease. Nature Neuroscience, 2004, 7, 726-735.	14.8	842
110	Ultrastructural localization of parkin in the rat brainstem, thalamus and basal ganglia. Journal of Neural Transmission, 2004, 111, 1209-1218.	2.8	29
111	Preface ? Special Issue: A Tribute for Prof. Dr. Melvin D. Yahr, M.D. (1917?2004). Journal of Neural Transmission, 2004, 111, 1205-1208.	2.8	0
112	Evidence of active microglia in substantia nigra pars compacta of parkinsonian monkeys 1 year after MPTP exposure. Glia, 2004, 46, 402-409.	4.9	181
113	Cigarette smoke and nicotine protect dopaminergic neurons against the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Parkinsonian toxin. Brain Research, 2003, 984, 224-232.	2.2	90
114	Neuroinflammatory processes in Parkinson's disease. Annals of Neurology, 2003, 53, S49-S60.	5.3	353
115	Chronic systemic complex I inhibition induces a hypokinetic multisystem degeneration in rats. Journal of Neurochemistry, 2003, 84, 491-502.	3.9	284
116	Changes in GAD67 mRNA expression evidenced by in situ hybridization in the brain of R6/2 transgenic mice. Journal of Neurochemistry, 2003, 86, 1369-1378.	3.9	27
117	Neuromelanin associated redoxâ€active iron is increased in the substantia nigra of patients with Parkinson's disease. Journal of Neurochemistry, 2003, 86, 1142-1148.	3.9	206
118	Dysfunction of mitochondrial complex I and the proteasome: interactions between two biochemical deficits in a cellular model of Parkinson's disease. Journal of Neurochemistry, 2003, 86, 1297-1307.	3.9	239
119	Effect of subthalamic nucleus or entopeduncular nucleus lesion on levodopaâ€induced neurochemical changes within the basal ganglia and on levodopaâ€induced motor alterations in 6â€hydroxydopamineâ€lesioned rats. Journal of Neurochemistry, 2003, 86, 1328-1337.	3.9	35
120	Tremor-related activity of neurons in the â€˜motorâ€™ thalamus: changes in firing rate and pattern in the MPTP vervet model of parkinsonism. European Journal of Neuroscience, 2003, 17, 2388-2400.	2.6	69
121	Quantitative analysis of dopaminergic loss in relation to functional territories in MPTP-treated monkeys. European Journal of Neuroscience, 2003, 18, 2082-2086.	2.6	41
122	Inflammation and dopaminergic neuronal loss in Parkinson's disease: a complex matter. Experimental Neurology, 2003, 184, 561-564.	4.1	57
123	The mitochondrial complex i inhibitor annonacin is toxic to mesencephalic dopaminergic neurons by impairment of energy metabolism. Neuroscience, 2003, 121, 287-296.	2.3	150
124	Behavioral changes are not directly related to striatal monoamine levels, number of nigral neurons, or dose of parkinsonian toxin MPTP in mice. Neurobiology of Disease, 2003, 14, 218-228.	4.4	90
125	Parkin prevents mitochondrial swelling and cytochrome c release in mitochondria-dependent cell death. Human Molecular Genetics, 2003, 12, 517-526.	2.9	352
126	The p38 subunit of the aminoacyl-tRNA synthetase complex is a Parkin substrate: linking protein biosynthesis and neurodegeneration. Human Molecular Genetics, 2003, 12, 1427-1437.	2.9	217

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127	Impairment of contextâ€adapted movement selection in a primate model of presymptomatic Parkinsonâ€™s disease. Brain, 2003, 126, 1392-1408.	7.6	37
128	The Role of Glial Reaction and Inflammation in Parkinson's Disease. Annals of the New York Academy of Sciences, 2003, 991, 214-228.	3.8	394
129	Role of TNF-Î± Receptors in Mice Intoxicated with the Parkinsonian Toxin MPTP. Experimental Neurology, 2002, 177, 183-192.	4.1	81
130	Increased Expression and Redistribution of the Antiapoptotic Molecule Bcl-xL in Parkinson's Disease. Neurobiology of Disease, 2002, 10, 28-32.	4.4	44
131	FADD: A link between TNF family receptors and caspases in Parkinsonâ€™s disease. Neurology, 2002, 58, 308-310.	1.1	62
132	Consequences of Dopaminergic Denervation on the Metabolic Activity of the Cortical Neurons Projecting to the Subthalamic Nucleus in the Rat. Journal of Neuroscience, 2002, 22, 8762-8770.	3.6	49
133	Behavioral Consequences of Bicuculline Injection in the Subthalamic Nucleus and the Zona Incerta in Rat. Journal of Neuroscience, 2002, 22, 8711-8719.	3.6	74
134	Levodopa but not ropinirole induces an internalization of D1 dopamine receptors in parkinsonian rats. Movement Disorders, 2002, 17, 1174-1179.	3.9	28
135	Distribution and morphology of nigral axons projecting to the thalamus in primates. Journal of Comparative Neurology, 2002, 447, 249-260.	1.6	45
136	Threeâ€dimensional cartography of functional territories in the human striatopallidal complex by using calbindin immunoreactivity. Journal of Comparative Neurology, 2002, 450, 122-134.	1.6	81
137	Metabolic changes in the basal ganglia of patients with Huntington's disease: an insitu hybridization study of cytochrome oxidase subunitI mRNA. Journal of Neurochemistry, 2002, 80, 466-476.	3.9	11
138	Cloning of Rat Parkin cDNA and Distribution of Parkin in Rat Brain. Journal of Neurochemistry, 2002, 74, 1773-1776.	3.9	41
139	Protective action of the peroxisome proliferator-activated receptor-Î³ agonist pioglitazone in a mouse model of Parkinson's disease. Journal of Neurochemistry, 2002, 82, 615-624.	3.9	347
140	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. Journal of Neurochemistry, 2002, 83, 320-330.	3.9	111
141	AMPA receptor antagonist LY293558 reverses preproenkephalin mRNA overexpression in the striatum of 6-OHDA-lesioned-rats treated withl-dopa. European Journal of Neuroscience, 2002, 16, 2236-2240.	2.6	22
142	Striatal Expression of Glutamic Acid Decarboxylase Gene in Alzheimer's Disease. Journal of Neurochemistry, 2002, 71, 767-774.	3.9	16
143	Systemic Administration of NMDA and AMPA Receptor Antagonists Reverses the Neurochemical Changes Induced by Nigrostriatal Denervation in Basal Ganglia. Journal of Neurochemistry, 2002, 73, 344-352.	3.9	47
144	Blood Vessels And Neurodegeneration In Parkinsonâ€™s Disease. Advances in Behavioral Biology, 2002, , 341-347.	0.2	2

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145	Inflammatory Changes and Apoptosis in Parkinsonâ€™s Disease. Advances in Behavioral Biology, 2002, , 259-263.	0.2	2
146	Anatomo-Chemical Organization of the Basal Ganglia Circuitry in the Normal and Parkinsonian States. Advances in Behavioral Biology, 2002, , 521-530.	0.2	0
147	Expression of tachykinin NK2 receptor mRNA in human brain. Neuroscience Letters, 2001, 303, 25-28.	2.1	29
148	Caspase-8 Is an Effector in Apoptotic Death of Dopaminergic Neurons in Parkinson's Disease, But Pathway Inhibition Results in Neuronal Necrosis. Journal of Neuroscience, 2001, 21, 2247-2255.	3.6	242
149	Is Bax a mitochondrial mediator in apoptotic death of dopaminergic neurons in Parkinson's disease?. Journal of Neurochemistry, 2001, 76, 1785-1793.	3.9	138
150	LY293558, an AMPA glutamate receptor antagonist, prevents and reverses levodopa-induced motor alterations in Parkinsonian rats. Synapse, 2001, 42, 40-47.	1.2	46
151	Caspase-3 activation in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-treated mice. Movement Disorders, 2001, 16, 185-189.	3.9	97
152	Plasticity of afferent fibers to striatal neurons bearing D1 dopamine receptors in Parkinson's disease. Movement Disorders, 2001, 16, 435-441.	3.9	12
153	Parkin immunoreactivity in the brain of human and non-human primates: An immunohistochemical analysis in normal conditions and in Parkinsonian syndromes. Journal of Comparative Neurology, 2001, 432, 184-196.	1.6	48
154	Nicotine, but not cotinine, partially protects dopaminergic neurons against MPTP-induced degeneration in mice. Brain Research, 2001, 890, 347-350.	2.2	42
155	The inflammatory response in the Parkinson brain. Clinical Neuroscience Research, 2001, 1, 434-443.	0.8	37
156	Ipsilateral and contralateral subthalamic activity after unilateral dopaminergic lesion. NeuroReport, 2000, 11, 3275-3278.	1.2	43
157	Distribution of ataxin-7 in normal human brain and retina. Brain, 2000, 123, 2519-2530.	7.6	60
158	Calpastatin immunoreactivity in the monkey and human brain of control subjects and patients with Parkinson's disease. , 2000, 419, 175-192.		19
159	Dopaminergic innervation of the subthalamic nucleus in the normal state, in MPTP-treated monkeys, and in Parkinson's disease patients. Journal of Comparative Neurology, 2000, 425, 121-129.	1.6	100
160	Mitochondrial free calcium levels (Rhod-2 fluorescence) and ultrastructural alterations in neuronally differentiated PC12 cells during ceramide-dependent cell death. Journal of Comparative Neurology, 2000, 426, 297-315.	1.6	42
161	Levodopa induces a cytoplasmic localization of D1 dopamine receptors in striatal neurons in Parkinson's disease. Annals of Neurology, 2000, 47, 136-136.	5.3	1
162	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. European Journal of Neuroscience, 2000, 12, 337-344.	2.6	168

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163	Dopaminergic innervation of the pallidum in the normal state, in MPTPâ€treated monkeys and in parkinsonian patients. European Journal of Neuroscience, 2000, 12, 4525-4535.	2.6	29
164	Glial cells and Parkinsonâ€™s disease. Journal of Neurology, 2000, 247, II58-II62.	3.6	57
165	Preservation of midbrain catecholaminergic neurons in very old human subjects. Brain, 2000, 123, 366-373.	7.6	139
166	Caspase-3: A vulnerability factor and final effector in apoptotic death of dopaminergic neurons in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2875-2880.	7.1	644
167	Functional Activity of Zona Incerta Neurons Is Altered after Nigrostriatal Denervation in Hemiparkinsonian Rats. Experimental Neurology, 2000, 162, 215-224.	4.1	54
168	Expression of Trk Isoforms in Brain Regions and in the Striatum of Patients with Alzheimer's Disease. Experimental Neurology, 2000, 165, 285-294.	4.1	14
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