

Pierre-Olivier Fernagut

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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.

83
papers

4,834
citations

35
h-index

69
g-index

91
ext. papers

5,521
ext. citations

6.2
avg, IF

5.26
L-index

#	Paper	IF	Citations
83	Lewy body extracts from Parkinson disease brains trigger β synuclein pathology and neurodegeneration in mice and monkeys. <i>Annals of Neurology</i> , 2014 , 75, 351-62	9.4	427
82	Early and progressive sensorimotor anomalies in mice overexpressing wild-type human alpha-synuclein. <i>Journal of Neuroscience</i> , 2004 , 24, 9434-40	6.6	369
81	Chronic dopaminergic stimulation in Parkinson's disease: from dyskinesias to impulse control disorders. <i>Lancet Neurology</i> , 2009 , 8, 1140-9	24.1	289
80	Pathophysiology of L-dopa-induced motor and non-motor complications in Parkinson's disease. <i>Progress in Neurobiology</i> , 2015 , 132, 96-168	10.9	282
79	Direct regulation of adult brain function by the male-specific factor SRY. <i>Current Biology</i> , 2006 , 16, 415-20	3	268
78	Impulse control disorders and levodopa-induced dyskinesias in Parkinson's disease: an update. <i>Lancet Neurology</i> , 2017 , 16, 238-250	24.1	207
77	Alpha-synuclein and transgenic mouse models. <i>Neurobiology of Disease</i> , 2004 , 17, 123-30	7.5	163
76	A simple method to measure stride length as an index of nigrostriatal dysfunction in mice. <i>Journal of Neuroscience Methods</i> , 2002 , 113, 123-30	3	156
75	Behavioral and immunohistochemical effects of chronic intravenous and subcutaneous infusions of varying doses of rotenone. <i>Experimental Neurology</i> , 2004 , 187, 418-29	5.7	151
74	Behavioral and histopathological consequences of paraquat intoxication in mice: effects of alpha-synuclein over-expression. <i>Synapse</i> , 2007 , 61, 991-1001	2.4	149
73	Insulin, IGF-1 and GLP-1 signaling in neurodegenerative disorders: targets for disease modification?. <i>Progress in Neurobiology</i> , 2014 , 118, 1-18	10.9	143
72	Deleterious effects of minocycline in animal models of Parkinson's disease and Huntington's disease. <i>European Journal of Neuroscience</i> , 2004 , 19, 3266-76	3.5	141
71	Genetic mouse models of parkinsonism: strengths and limitations. <i>NeuroRx</i> , 2005 , 2, 495-503		131
70	Subacute systemic 3-nitropropionic acid intoxication induces a distinct motor disorder in adult C57Bl/6 mice: behavioural and histopathological characterisation. <i>Neuroscience</i> , 2002 , 114, 1005-17	3.9	129
69	Variable effects of chronic subcutaneous administration of rotenone on striatal histology. <i>Journal of Comparative Neurology</i> , 2004 , 478, 418-26	3.4	77
68	Motor behaviour deficits and their histopathological and functional correlates in the nigrostriatal system of dopamine transporter knockout mice. <i>Neuroscience</i> , 2003 , 116, 1123-30	3.9	70
67	Reducing C-terminal truncation mitigates synucleinopathy and neurodegeneration in a transgenic model of multiple system atrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9593-8	11.5	67

66	Lack of additive role of ageing in nigrostriatal neurodegeneration triggered by β -synuclein overexpression. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 46	7.3	65
65	Ziram causes dopaminergic cell damage by inhibiting E1 ligase of the proteasome. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34696-703	5.4	64
64	Protein aggregation in the aging retina. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011 , 70, 63-8	3.1	61
63	Selective Inactivation of Striatal FosB/ β osB-Expressing Neurons Alleviates L-DOPA-Induced Dyskinesia. <i>Biological Psychiatry</i> , 2016 , 79, 354-361	7.9	58
62	Impact of high-frequency stimulation parameters on the pattern of discharge of subthalamic neurons. <i>Journal of Neurophysiology</i> , 2005 , 94, 3662-9	3.2	56
61	Immediate-early gene expression in structures outside the basal ganglia is associated to L-DOPA-induced dyskinesia. <i>Neurobiology of Disease</i> , 2014 , 62, 179-92	7.5	54
60	A 'single toxin-double lesion' rat model of striatonigral degeneration by intrastriatal 1-methyl-4-phenylpyridinium ion injection: a motor behavioural analysis. <i>Neuroscience</i> , 2002 , 115, 533-46 ^{3.9}	3.9	54
59	Insulin resistance and exendin-4 treatment for multiple system atrophy. <i>Brain</i> , 2017 , 140, 1420-1436	11.2	50
58	Anatomical and functional reconstruction of the nigrostriatal pathway by intranigral transplants. <i>Neurobiology of Disease</i> , 2009 , 35, 477-88	7.5	50
57	MPTP potentiates 3-nitropropionic acid-induced striatal damage in mice: reference to striatonigral degeneration. <i>Experimental Neurology</i> , 2004 , 185, 47-62	5.7	48
56	Simultaneous intrastriatal 6-hydroxydopamine and quinolinic acid injection: a model of early-stage striatonigral degeneration. <i>Experimental Neurology</i> , 2001 , 167, 133-47	5.7	47
55	Neuropathological and behavioral changes induced by various treatment paradigms with MPTP and 3-nitropropionic acid in mice: towards a model of striatonigral degeneration (multiple system atrophy). <i>Acta Neuropathologica</i> , 2003 , 106, 157-66	14.3	46
54	Dopamine transporter binding is unaffected by L-DOPA administration in normal and MPTP-treated monkeys. <i>PLoS ONE</i> , 2010 , 5, e14053	3.7	46
53	Dopamine and addiction: what have we learned from 40 years of research. <i>Journal of Neural Transmission</i> , 2019 , 126, 481-516	4.3	40
52	Sex-dependent behavioral deficits and neuropathology in a maternal immune activation model of autism. <i>Translational Psychiatry</i> , 2019 , 9, 124	8.6	39
51	Widespread Monoaminergic Dysregulation of Both Motor and Non-Motor Circuits in Parkinsonism and Dyskinesia. <i>Cerebral Cortex</i> , 2015 , 25, 2783-92	5.1	38
50	Levodopa gains psychostimulant-like properties after nigral dopaminergic loss. <i>Annals of Neurology</i> , 2013 , 74, 140-4	9.4	38
49	Toward a primate model of L-dopa-unresponsive parkinsonism mimicking striatonigral degeneration. <i>Movement Disorders</i> , 2000 , 15, 531-6	7	36

48	Targeting Eynuclein: Therapeutic options. <i>Movement Disorders</i> , 2016 , 31, 882-8	7	33
47	Viral-mediated oligodendroglial alpha-synuclein expression models multiple system atrophy. <i>Movement Disorders</i> , 2017 , 32, 1230-1239	7	31
46	Animal models of multiple system atrophy. <i>Neuroscience</i> , 2012 , 211, 77-82	3.9	31
45	Alpha-synuclein-based models of Parkinson's disease. <i>Revue Neurologique</i> , 2016 , 172, 371-8	3	31
44	Transcription factor EB overexpression prevents neurodegeneration in experimental synucleinopathies. <i>JCI Insight</i> , 2019 , 4,	9.9	30
43	Age-related motor dysfunction and neuropathology in a transgenic mouse model of multiple system atrophy. <i>Synapse</i> , 2014 , 68, 98-106	2.4	29
42	Dystonia is predictive of subsequent altered dopaminergic responsiveness in a chronic 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine+3-nitropropionic acid model of striatonigral degeneration in monkeys. <i>Neuroscience Letters</i> , 2002 , 335, 34-8	3.3	29
41	Multiple System Atrophy: Recent Developments and Future Perspectives. <i>Movement Disorders</i> , 2019 , 34, 1629-1642	7	28
40	Dopamine control of pyramidal neuron activity in the primary motor cortex via D2 receptors. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 13	3.5	28
39	Dopamine transporter knock-out mice are hypersensitive to 3-nitropropionic acid-induced striatal damage. <i>European Journal of Neuroscience</i> , 2002 , 15, 2053-6	3.5	28
38	Low dose rotenone treatment causes selective transcriptional activation of cell death related pathways in dopaminergic neurons in vivo. <i>Neurobiology of Disease</i> , 2009 , 33, 182-92	7.5	27
37	Glucocerebrosidase deficiency in dopaminergic neurons induces microglial activation without neurodegeneration. <i>Human Molecular Genetics</i> , 2017 , 26, 2603-2615	5.6	26
36	Reinforcing properties of Pramipexole in normal and parkinsonian rats. <i>Neurobiology of Disease</i> , 2013 , 49, 79-86	7.5	26
35	Effects of riluzole on combined MPTP + 3-nitropropionic acid-induced mild to moderate striatonigral degeneration in mice. <i>Journal of Neural Transmission</i> , 2005 , 112, 613-31	4.3	26
34	Multiple system atrophy: a prototypical synucleinopathy for disease-modifying therapeutic strategies. <i>Neurobiology of Disease</i> , 2014 , 67, 133-9	7.5	25
33	Breathing variability and brainstem serotonergic loss in a genetic model of multiple system atrophy. <i>Movement Disorders</i> , 2014 , 29, 388-95	7	25
32	Multiple System Atrophy - State of the Art. <i>Current Neurology and Neuroscience Reports</i> , 2017 , 17, 41	6.6	21
31	Reduced oligodendrocyte exosome secretion in multiple system atrophy involves SNARE dysfunction. <i>Brain</i> , 2020 , 143, 1780-1797	11.2	21

30	The nigrostriatal pathway in Creutzfeldt-Jakob disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 809-15	3.1	21
29	Genetic and pharmacological evidence that endogenous nociceptin/orphanin FQ contributes to dopamine cell loss in Parkinson's disease. <i>Neurobiology of Disease</i> , 2016 , 89, 55-64	7.5	20
28	Multi-facetted impulsivity following nigral degeneration and dopamine replacement therapy. <i>Neuropharmacology</i> , 2016 , 109, 69-77	5.5	20
27	Motor Impairments Correlate with Social Deficits and Restricted Neuronal Loss in an Environmental Model of Autism. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 871-882	5.8	19
26	Impulse control disorders in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2018 , 125, 1299-1312	4.3	17
25	Experimental basis for the putative role of GluR6/kainate glutamate receptor subunit in Huntington's disease natural history. <i>Neurobiology of Disease</i> , 2004 , 15, 667-75	7.5	17
24	Current Concepts in the Treatment of Multiple System Atrophy. <i>Movement Disorders Clinical Practice</i> , 2015 , 2, 6-16	2.2	15
23	Premotor parkinsonism models. <i>Parkinsonism and Related Disorders</i> , 2014 , 20 Suppl 1, S17-9	3.6	15
22	Inhibiting Lateral Habenula Improves L-DOPA-Induced Dyskinesia. <i>Biological Psychiatry</i> , 2016 , 79, 345-353	3.9	12
21	Pramipexole-induced impulsivity in mild parkinsonian rats: a model of impulse control disorders in Parkinson's disease. <i>Neurobiology of Aging</i> , 2019 , 75, 126-135	5.6	11
20	In vivo models of multiple system atrophy. <i>Movement Disorders</i> , 2005 , 20 Suppl 12, S57-63	7	10
19	Region-Specific Alterations of Matrix Metalloproteinase Activity in Multiple System Atrophy. <i>Movement Disorders</i> , 2015 , 30, 1802-12	7	7
18	Ambiguous mechanisms of dysphagia in multiple system atrophy. <i>Brain</i> , 2012 , 135, e205; author reply e206	11.2	7
17	Mass spectrometry imaging identifies abnormally elevated brain L-DOPA levels and extrastriatal monoaminergic dysregulation in L-DOPA-induced dyskinesia. <i>Science Advances</i> , 2021 , 7,	14.3	6
16	Involvement of the bed nucleus of the stria terminalis in L-Dopa induced dyskinesia. <i>Scientific Reports</i> , 2017 , 7, 2348	4.9	5
15	L-DOPA regulates β synuclein accumulation in experimental parkinsonism. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 532-543	5.2	5
14	Nilotinib Fails to Prevent Synucleinopathy and Cell Loss in a Mouse Model of Multiple System Atrophy. <i>Movement Disorders</i> , 2020 , 35, 1163-1172	7	4
13	Deep brain stimulation does not enhance neuroinflammation in multiple system atrophy. <i>Neurobiology of Disease</i> , 2018 , 118, 155-160	7.5	3

12	Parkinson's disease models: From toxins to genes. <i>Drug Discovery Today: Disease Models</i> , 2005 , 2, 299-303.	3.3	3
11	Neuropsychiatric and Cognitive Deficits in Parkinson's Disease and Their Modeling in Rodents. <i>Biomedicines</i> , 2021 , 9,	4.8	3
10	Metabolic activity of the subthalamic nucleus in a primate model of L-dopa-unresponsive parkinsonism. <i>Neurological Research</i> , 2010 , 32, 1050-3	2.7	2
9	NR2B subunit blockade does not affect motor symptoms induced by 3-nitropropionic acid. <i>Neurological Research</i> , 2011 , 33, 444-7	2.7	1
8	Environmental Explorations of Parkinson's Disease Using Rodent Genetic Models 2008 , 285-294		1
7	Unlucky punches: the vulnerability-stress model for the development of impulse control disorders in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021 , 7, 112	9.7	1
6	Sleep deprivation reduces vagal tone during an inspiratory endurance task in humans. <i>Sleep</i> , 2021 , 44,	1.1	1
5	Comparison of the expression and toxicity of AAV2/9 carrying the human A53T β -synuclein gene in presence or absence of WPRE. <i>Heliyon</i> , 2021 , 7, e06302	3.6	1
4	Links between glucocerebrosidase and alpha-synuclein revealed. <i>Movement Disorders</i> , 2011 , 26, 2177	7	0
3	l-Dopa-free learned dyskinetic behavior in a Parkinson's primate model. <i>Movement Disorders</i> , 2019 , 34, 1237	7	
2	Early Behavioral Phenotypes in Mouse Models of Huntington's and Parkinson's Diseases 2005 , 349-359		
1	Double-Lesion Animal Models of Multiple System Atrophy 2005 , 571-583		