

# Manolo Carta

## 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.

67  
papers

4,121  
citations

32  
h-index

64  
g-index

68  
ext. papers

4,519  
ext. citations

5.2  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
67	Assessment of Nonmotor Symptoms in Rodent Models of Parkinson's Disease. <i>NeuroMethods</i> , <b>2021</b> , 21-36	0.4	
66	Serotonin/dopamine interaction in the induction and maintenance of L-DOPA-induced dyskinesia: An update. <i>Progress in Brain Research</i> , <b>2021</b> , 261, 287-302	2.9	4
65	Preliminary finding of a randomized, double-blind, placebo-controlled, crossover study to evaluate the safety and efficacy of 5-hydroxytryptophan on REM sleep behavior disorder in Parkinson's disease. <i>Sleep and Breathing</i> , <b>2021</b> , 1	3.1	4
64	Preclinical Pharmacology of [2-(3-Fluoro-5-Methanesulfonyl-phenoxy)Ethyl](Propyl)amine (IRL790), a Novel Dopamine Transmission Modulator for the Treatment of Motor and Psychiatric Complications in Parkinson Disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 374, 113-125	4.7	6
63	Efficacy and safety of 5-hydroxytryptophan on depression and apathy in Parkinson's disease: a preliminary finding. <i>European Journal of Neurology</i> , <b>2020</b> , 27, 779-786	6	6
62	Essential fatty acids deficient diet modulates N-Acylethanolamide profile in rat's tissues. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2020</b> , 153, 102053	2.8	4
61	Efficacy and safety of 5-Hydroxytryptophan on levodopa-induced motor complications in Parkinson's disease: A preliminary finding. <i>Journal of the Neurological Sciences</i> , <b>2020</b> , 415, 116869	3.2	6
60	VGF peptides as novel biomarkers in Parkinson's disease. <i>Cell and Tissue Research</i> , <b>2020</b> , 379, 93-107	4.2	9
59	BDNF Overexpression Increases Striatal D3 Receptor Level at Striatal Neurons and Exacerbates D1-Receptor Agonist-Induced Dyskinesia. <i>Journal of Parkinson's Disease</i> , <b>2020</b> , 10, 1503-1514	5.3	5
58	The levels of the NMDA receptor co-agonist D-serine are reduced in the substantia nigra of MPTP-lesioned macaques and in the cerebrospinal fluid of Parkinson's disease patients. <i>Scientific Reports</i> , <b>2019</b> , 9, 8898	4.9	18
57	5alpha-reductase inhibitors dampen L-DOPA-induced dyskinesia via normalization of dopamine D1-receptor signaling pathway and D1-D3 receptor interaction. <i>Neurobiology of Disease</i> , <b>2019</b> , 121, 120-130	7.5	21
56	The serotonergic system in L-DOPA-induced dyskinesia: pre-clinical evidence and clinical perspective. <i>Journal of Neural Transmission</i> , <b>2018</b> , 125, 1195-1202	4.3	23
55	The 5-alpha reductase inhibitor finasteride reduces dyskinesia in a rat model of Parkinson's disease. <i>Experimental Neurology</i> , <b>2017</b> , 291, 1-7	5.7	12
54	A preclinical study on the combined effects of repeated eltoprazine and preladenant treatment for alleviating L-DOPA-induced dyskinesia in Parkinson's disease. <i>European Journal of Pharmacology</i> , <b>2017</b> , 813, 10-16	5.3	14
53	BDNF over-expression induces striatal serotonin fiber sprouting and increases the susceptibility to L-DOPA-induced dyskinesia in 6-OHDA-lesioned rats. <i>Experimental Neurology</i> , <b>2017</b> , 297, 73-81	5.7	41
52	Antidyskinetic effect of A2A and 5HT1A/1B receptor ligands in two animal models of Parkinson's disease. <i>Movement Disorders</i> , <b>2016</b> , 31, 501-11	7	30
51	Modulation of serotonergic transmission by eltoprazine in L-DOPA-induced dyskinesia: Behavioral, molecular, and synaptic mechanisms. <i>Neurobiology of Disease</i> , <b>2016</b> , 86, 140-53	7.5	37

50	Amphetamine Usage, Misuse, and Addiction Processes: An Overview <b>2016</b> , 14-24		1
49	On the Effect of Eltoprazine in Dyskinetic Hemiparkinsonian Rats. <i>Movement Disorders</i> , <b>2016</b> , 31, 149	7	2
48	Pathophysiology of L-dopa-induced motor and non-motor complications in Parkinson's disease. <i>Progress in Neurobiology</i> , <b>2015</b> , 132, 96-168	10.9	282
47	Effect of selective and non-selective serotonin receptor activation on L-DOPA-induced therapeutic efficacy and dyskinesia in parkinsonian rats. <i>Behavioural Brain Research</i> , <b>2015</b> , 292, 300-4	3.4	18
46	Foetal Cell Transplantation for Parkinson's Disease: Focus on Graft-Induced Dyskinesia. <i>Parkinsons Disease</i> , <b>2015</b> , 2015, 563820	2.6	11
45	Effect of serotonin transporter blockade on L-DOPA-induced dyskinesia in animal models of Parkinson's disease. <i>Neuroscience</i> , <b>2015</b> , 298, 389-96	3.9	35
44	Could the serotonin theory give rise to a treatment for levodopa-induced dyskinesia in Parkinson's disease?. <i>Brain</i> , <b>2015</b> , 138, 829-30	11.2	14
43	Noradrenaline neuron degeneration contributes to motor impairments and development of L-DOPA-induced dyskinesia in a rat model of Parkinson's disease. <i>Experimental Neurology</i> , <b>2014</b> , 257, 25-38	5.7	43
42	Serotonin System Implication in l-DOPA-Induced Dyskinesia: From Animal Models to Clinical Investigations. <i>Frontiers in Neurology</i> , <b>2014</b> , 5, 78	4.1	46
41	The anti-dyskinetic effect of dopamine receptor blockade is enhanced in parkinsonian rats following dopamine neuron transplantation. <i>Neurobiology of Disease</i> , <b>2014</b> , 62, 233-40	7.5	15
40	Effect of memantine on L-DOPA-induced dyskinesia in the 6-OHDA-lesioned rat model of Parkinson's disease. <i>Neuroscience</i> , <b>2014</b> , 265, 245-52	3.9	27
39	The Serotonergic System in Levodopa-Induced Dyskinesia <b>2014</b> , 199-212		
38	5-HT1 receptor agonists for the treatment of L-DOPA-induced dyskinesia: From animal models to clinical investigation. <i>Basal Ganglia</i> , <b>2013</b> , 3, 9-13		7
37	Anti-dyskinetic effect of anpirtoline in animal models of L-DOPA-induced dyskinesia. <i>Neuroscience Research</i> , <b>2013</b> , 77, 242-6	2.9	41
36	Chronic tryptophan deprivation attenuates gating deficits induced by 5-HT(1A), but not 5-HT $\square$ receptor activation. <i>European Neuropsychopharmacology</i> , <b>2013</b> , 23, 1329-35	1.2	4
35	5-Hydroxy-tryptophan for the treatment of L-DOPA-induced dyskinesia in the rat Parkinson's disease model. <i>Neurobiology of Disease</i> , <b>2013</b> , 60, 108-14	7.5	40
34	Study of the antidyskinetic effect of eltoprazine in animal models of levodopa-induced dyskinesia. <i>Movement Disorders</i> , <b>2013</b> , 28, 1088-96	7	114
33	Serotonergic and dopaminergic mechanisms in graft-induced dyskinesia in a rat model of Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2012</b> , 47, 393-406	7.5	36

32	Amphetamine-induced rotation and L-DOPA-induced dyskinesia in the rat 6-OHDA model: a correlation study. <i>Neuroscience Research</i> , <b>2012</b> , 73, 168-72	2.9	21
31	Role of Serotonin Neurons in L-DOPA- and Graft-Induced Dyskinesia in a Rat Model of Parkinson's Disease. <i>Parkinson's Disease</i> , <b>2012</b> , 2012, 370190	2.6	8
30	Contribution of pre-synaptic mechanisms to L-DOPA-induced dyskinesia. <i>Neuroscience</i> , <b>2011</b> , 198, 245-51	3.9	87
29	Higher free D-aspartate and N-methyl-D-aspartate levels prevent striatal depotentiation and anticipate L-DOPA-induced dyskinesia. <i>Experimental Neurology</i> , <b>2011</b> , 232, 240-50	5.7	34
28	L-DOPA and serotonergic neurons: functional implication and therapeutic perspectives in Parkinson's disease. <i>Central Nervous System Agents in Medicinal Chemistry</i> , <b>2011</b> , 11, 305-20	1.8	19
27	Role of aberrant striatal dopamine D1 receptor/cAMP/protein kinase A/DARPP32 signaling in the paradoxical calming effect of amphetamine. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 11043-56	6.6	53
26	Optimized adeno-associated viral vector-mediated striatal DOPA delivery restores sensorimotor function and prevents dyskinesias in a model of advanced Parkinson's disease. <i>Brain</i> , <b>2010</b> , 133, 496-511	11.2	35
25	A simple method for large-scale generation of dopamine neurons from human embryonic stem cells. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 3467-78	4.4	19
24	Role of serotonin neurons in the induction of levodopa- and graft-induced dyskinesias in Parkinson's disease. <i>Movement Disorders</i> , <b>2010</b> , 25 Suppl 1, S174-9	7	56
23	Nurr1 is required for maintenance of maturing and adult midbrain dopamine neurons. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 15923-32	6.6	259
22	Optimization of continuous in vivo DOPA production and studies on ectopic DA synthesis using rAAV5 vectors in Parkinsonian rats. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 355-67	6	14
21	Serotonin neuron-dependent and -independent reduction of dyskinesia by 5-HT1A and 5-HT1B receptor agonists in the rat Parkinson model. <i>Experimental Neurology</i> , <b>2009</b> , 219, 298-307	5.7	79
20	Impact of grafted serotonin and dopamine neurons on development of L-DOPA-induced dyskinesias in parkinsonian rats is determined by the extent of dopamine neuron degeneration. <i>Brain</i> , <b>2009</b> , 132, 319-35	11.2	74
19	Serotonin-dopamine interaction in the induction and maintenance of L-DOPA-induced dyskinesias. <i>Progress in Brain Research</i> , <b>2008</b> , 172, 465-78	2.9	96
18	The GTP-binding protein Rhes modulates dopamine signalling in striatal medium spiny neurons. <i>Molecular and Cellular Neurosciences</i> , <b>2008</b> , 37, 335-45	4.8	56
17	Involvement of the serotonin system in L-dopa-induced dyskinesias. <i>Parkinsonism and Related Disorders</i> , <b>2008</b> , 14 Suppl 2, S154-8	3.6	50
16	Combined 5-HT1A and 5-HT1B receptor agonists for the treatment of L-DOPA-induced dyskinesia. <i>Brain</i> , <b>2008</b> , 131, 3380-94	11.2	201
15	Effects of tryptophan deficiency on prepulse inhibition of the acoustic startle in rats. <i>Psychopharmacology</i> , <b>2008</b> , 198, 191-200	4.7	8

14	Dopamine released from 5-HT terminals is the cause of L-DOPA-induced dyskinesia in parkinsonian rats. <i>Brain</i> , <b>2007</b> , 130, 1819-33	11.2	509
13	Critical involvement of cAMP/DARPP-32 and extracellular signal-regulated protein kinase signaling in L-DOPA-induced dyskinesia. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 6995-7005	6.6	352
12	Serotonin neuron transplants exacerbate L-DOPA-induced dyskinesias in a rat model of Parkinson's disease. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 8011-22	6.6	161
11	Vitamin A deficiency affects neither frontocortical acetylcholine nor working memory. <i>NeuroReport</i> , <b>2007</b> , 18, 241-3	1.7	6
10	Tryptophan-deficient diet increases the neurochemical and behavioral response to amphetamine. <i>Brain Research</i> , <b>2006</b> , 1094, 86-91	3.7	13
9	Ventral tegmental area dopamine neurons are resistant to human mutant alpha-synuclein overexpression. <i>Neurobiology of Disease</i> , <b>2006</b> , 23, 522-32	7.5	65
8	Altered dopaminergic innervation and amphetamine response in adult Otx2 conditional mutant mice. <i>Molecular and Cellular Neurosciences</i> , <b>2006</b> , 31, 293-302	4.8	23
7	Augmented cocaine-induced accumbal dopamine efflux, motor activity and place preference in rats fed with a tryptophan-deficient diet. <i>Neuroscience Letters</i> , <b>2006</b> , 401, 125-9	3.3	6
6	Vitamin A deficiency induces motor impairments and striatal cholinergic dysfunction in rats. <i>Neuroscience</i> , <b>2006</b> , 139, 1163-72	3.9	40
5	Role of striatal L-DOPA in the production of dyskinesia in 6-hydroxydopamine lesioned rats. <i>Journal of Neurochemistry</i> , <b>2006</b> , 96, 1718-27	6	128
4	Transplantation of human embryonic stem cell-derived cells to a rat model of Parkinson's disease: effect of in vitro differentiation on graft survival and teratoma formation. <i>Stem Cells</i> , <b>2006</b> , 24, 1433-40	5.8	337
3	Biphasic effects of ethanol on acetylcholine release in the rat prefrontal cortex. <i>Brain Research</i> , <b>2004</b> , 997, 128-32	3.7	34
2	Transcriptome analysis in a rat model of L-DOPA-induced dyskinesia. <i>Neurobiology of Disease</i> , <b>2004</b> , 17, 219-36	7.5	131
1	Vitamin A deficiency produces spatial learning and memory impairment in rats. <i>Neuroscience</i> , <b>2002</b> , 115, 475-82	3.9	171