Maria-Trinidad Herrero

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.

120
papers5,204
citations41
h-index69
g-index130
ext. papers5,799
ext. citations5
avg, IF5.14
L-index

#	Paper	IF	Citations
120	Aminochrome Induces Neuroinflammation and Dopaminergic Neuronal Loss: A New Preclinical Model to Find Anti-inflammatory and Neuroprotective Drugs for Parkinson's Disease <i>Cellular and Molecular Neurobiology</i> , 2022 , 1	4.6	1
119	Brain injections of glial cytoplasmic inclusions induce a multiple system atrophy-like pathology <i>Brain</i> , 2022 ,	11.2	1
118	MPTP: Advances from an Evergreen Neurotoxin 2022 , 1-32		
117	Cardiac tyrosine hydroxylase activation and MB-COMT in dyskinetic monkeys. <i>Scientific Reports</i> , 2021 , 11, 19871	4.9	1
116	A Causal Role for the Right Dorsolateral Prefrontal Cortex in Avoidance of Risky Choices and Making Advantageous Selections. <i>Neuroscience</i> , 2021 , 458, 166-179	3.9	2
115	Identification and inclusion of gender factors in retrospective cohort studies: the GOING-FWD framework. <i>BMJ Global Health</i> , 2021 , 6,	6.6	3
114	Combined 1-Deoxynojirimycin and Ibuprofen Treatment Decreases Microglial Activation, Phagocytosis and Dopaminergic Degeneration in MPTP-Treated Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 16, 390-402	6.9	16
113	Methods for prospectively incorporating gender into health sciences research. <i>Journal of Clinical Epidemiology</i> , 2021 , 129, 191-197	5.7	10
112	Role of Microgliosis and NLRP3 Inflammasome in Parkinson's Disease Pathogenesis and Therapy. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	9
111	Heart Matters: Cardiac Dysfunction and Other Autonomic Changes in Parkinson's Disease. <i>Neuroscientist</i> , 2021 , 1073858421990000	7.6	2
110	Could Small Heat Shock Protein HSP27 Be a First-Line Target for Preventing Protein Aggregation in Parkinson's Disease?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
109	Determinants of perceived health and unmet healthcare needs in universal healthcare systems with high gender equality. <i>BMC Public Health</i> , 2021 , 21, 1488	4.1	4
108	Sex, Gender, and Cardiovascular Health in Canadian and Austrian Populations. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 1240-1247	3.8	2
107	Role of GDF-15, YKL-40 and MMP 9 in patients with end-stage kidney disease: focus on sex-specific associations with vascular outcomes and all-cause mortality. <i>Biology of Sex Differences</i> , 2021 , 12, 50	9.3	2
106	Cardiac Changes in Parkinson's Disease: Lessons from Clinical and Experimental Evidence <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
105	Octodon degus: a natural model of multimorbidity for ageing research. <i>Ageing Research Reviews</i> , 2020 , 64, 101204	12	4
104	Bidirectional gut-to-brain and brain-to-gut propagation of synucleinopathy in non-human primates. <i>Brain</i> , 2020 , 143, 1462-1475	11.2	60

(2016-2020)

103	Identification of distinct pathological signatures induced by patient-derived Esynuclein structures in nonhuman primates. <i>Science Advances</i> , 2020 , 6, eaaz9165	14.3	16	
102	Cardiac Noradrenaline Turnover and Heat Shock Protein 27 Phosphorylation in Dyskinetic Monkeys. <i>Movement Disorders</i> , 2020 , 35, 698-703	7	6	
101	Study of the Link Between Neuronal Death, Glial Response, and MAPK Pathway in Old Parkinsonian Mice. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 214	5.3	1	
100	Identification of differentially expressed genes profiles in a combined mouse model of Parkinsonism and colitis. <i>Scientific Reports</i> , 2020 , 10, 13147	4.9	5	
99	Local Gastrointestinal Injury Exacerbates Inflammation and Dopaminergic Cell Death in Parkinsonian Mice. <i>Neurotoxicity Research</i> , 2019 , 35, 918-930	4.3	8	
98	A role for DJ-1 against oxidative stress in the mammalian retina. <i>Neuroscience Letters</i> , 2019 , 708, 13436	i 1 3.3	6	
97	Voluntary exercise reduces plasma cortisol levels and improves transitory memory impairment in young and aged Octodon degus. <i>Behavioural Brain Research</i> , 2019 , 373, 112066	3.4	2	
96	Electrical stimulation or MK-801 in the inferior colliculus improve motor deficits in MPTP-treated mice. <i>NeuroToxicology</i> , 2018 , 65, 38-43	4.4	5	
95	Vision-based gait impairment analysis for aided diagnosis. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 1553-1564	3.1	19	
94	Alteration of the PAC1 Receptor Expression in the Basal Ganglia of MPTP-Induced Parkinsonian Macaque Monkeys. <i>Neurotoxicity Research</i> , 2018 , 33, 702-715	4.3	11	
93	Effect of NAC treatment and physical activity on neuroinflammation in subchronic Parkinsonism; is physical activity essential?. <i>Journal of Neuroinflammation</i> , 2018 , 15, 328	10.1	9	
92	Unexpected Exacerbation of Neuroinflammatory Response After a Combined Therapy in Old Parkinsonian Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 451	6.1	8	
91	Involvement of the kynurenine pathway in the pathogenesis of Parkinson's disease. <i>Progress in Neurobiology</i> , 2017 , 155, 76-95	10.9	78	
90	The multifaceted role of metalloproteinases in physiological and pathological conditions in embryonic and adult brains. <i>Progress in Neurobiology</i> , 2017 , 155, 36-56	10.9	26	
89	EEG-based Approach-Withdrawal index for the pleasantness evaluation during taste experience in realistic settings. Annual International Conference of the IEEE Engineering in Medicine and Biology Society Annual International Conference, 2017,	0.9	17	
88	2017, 3228-3231 A New Perspective for the Training Assessment: Machine Learning-Based Neurometric for Augmented User's Evaluation. <i>Frontiers in Neuroscience</i> , 2017 , 11, 325	5.1	26	
87	An Update on the Role of Nitric Oxide in the Neurodegenerative Processes of Parkinson's Disease. <i>Current Medicinal Chemistry</i> , 2016 , 23, 2666-2679	4.3	37	
86	Transcranial Magnetic Stimulation on Rodent Models. CNS and Neurological Disorders - Drug Targets, 2016 , 15, 756-64	2.6	6	

85	EEG Frontal Asymmetry Related to Pleasantness of Olfactory Stimuli in Young Subjects. <i>Springer Proceedings in Business and Economics</i> , 2016 , 373-381	0.2	16
84	Cognitive Impairment After Sleep Deprivation Rescued by Transcranial Magnetic Stimulation Application in Octodon degus. <i>Neurotoxicity Research</i> , 2015 , 28, 361-71	4.3	12
83	Metalloproteinase-9 contributes to inflammatory glia activation and nigro-striatal pathway degeneration in both mouse and monkey models of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced Parkinsonism. <i>Brain Structure and Function</i> , 2015 , 220, 703-27	4	46
82	Inflammation in Parkinson's disease: role of glucocorticoids. <i>Frontiers in Neuroanatomy</i> , 2015 , 9, 32	3.6	91
81	Retinal aging in the diurnal Chilean rodent (Octodon degus): histological, ultrastructural and neurochemical alterations of the vertical information processing pathway. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 126	6.1	10
80	Transcranial magnetic stimulation and aging: Effects on spatial learning and memory after sleep deprivation in Octodon degus. <i>Neurobiology of Learning and Memory</i> , 2015 , 125, 274-81	3.1	7
79	Dyskinesia in Parkinson's disease: mechanisms and current non-pharmacological interventions. Journal of Neurochemistry, 2014 , 130, 472-89	6	44
78	Functional role of Barrington's nucleus in the micturition reflex: relevance in the surgical treatment of Parkinson's disease. <i>Neuroscience</i> , 2014 , 266, 150-61	3.9	11
77	Memantine prevents reference and working memory impairment caused by sleep deprivation in both young and aged Octodon degus. <i>Neuropharmacology</i> , 2014 , 85, 206-14	5.5	18
76	Alpha-theta effects associated with ageing during the Stroop test. <i>PLoS ONE</i> , 2014 , 9, e95657	3.7	6
75	Octodon degus: a model for the cognitive impairment associated with Alzheimer's disease. <i>CNS Neuroscience and Therapeutics</i> , 2013 , 19, 643-8	6.8	30
74	Critical evaluation of the anatomical location of the Barrington nucleus: relevance for deep brain stimulation surgery of pedunculopontine tegmental nucleus. <i>Neuroscience</i> , 2013 , 247, 351-63	3.9	11
73	Potent and multiple regulatory actions of microglial glucocorticoid receptors during CNS inflammation. <i>Cell Death and Differentiation</i> , 2013 , 20, 1546-57	12.7	63
72	Persistent phagocytic characteristics of microglia in the substantia nigra of long-term Parkinsonian macaques. <i>Journal of Neuroimmunology</i> , 2013 , 261, 60-6	3.5	34
71	Evidence of oligodendrogliosis in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced Parkinsonism. <i>Neuropathology and Applied Neurobiology</i> , 2013 , 39, 132-43	5.2	15
70	Effects of pharmacological agents, sleep deprivation, hypoxia and transcranial magnetic stimulation on electroencephalographic rhythms in rodents: towards translational challenge models for drug discovery in Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2013 , 124, 437-51	4.3	17
69	Alterations in energy metabolism, neuroprotection and visual signal transduction in the retina of Parkinsonian, MPTP-treated monkeys. <i>PLoS ONE</i> , 2013 , 8, e74439	3.7	28
68	7-Nitroindazole down-regulates dopamine/DARPP-32 signaling in neostriatal neurons in a rat model of Parkinson's disease. <i>Neuropharmacology</i> , 2012 , 63, 1258-67	5.5	23

67	Parkinson's disease and autophagy. Parkinsonis Disease, 2012, 2012, 429524	2.6	15
66	Dopamine modulation affects the performance of parkinsonian patients in a precision motor task measured by an antropomorphic device. <i>Human Movement Science</i> , 2012 , 31, 730-42	2.4	3
65	ROCK/Cdc42-mediated microglial motility and gliapse formation lead to phagocytosis of degenerating dopaminergic neurons in vivo. <i>Scientific Reports</i> , 2012 , 2, 809	4.9	95
64	CCL2-expressing astrocytes mediate the extravasation of T lymphocytes in the brain. Evidence from patients with glioma and experimental models in vivo. <i>PLoS ONE</i> , 2012 , 7, e30762	3.7	35
63	Cognitive rehabilitation in Parkinson's disease: evidence from neuroimaging. <i>Frontiers in Neurology</i> , 2011 , 2, 82	4.1	76
62	The involvement of neuroinflammation and kynurenine pathway in Parkinson's disease. <i>Parkinsonis Disease</i> , 2011 , 2011, 716859	2.6	50
61	Neuroprotective role of dopamine agonists: evidence from animal models and clinical studies. <i>Neurologist</i> , 2011 , 17, S54-66	1.6	17
60	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
59	IFN-Bignaling, with the synergistic contribution of TNF-Imediates cell specific microglial and astroglial activation in experimental models of Parkinson's disease. <i>Cell Death and Disease</i> , 2011 , 2, e1	42 ^{9.8}	140
58	Expression in the mammalian retina of parkin and UCH-L1, two components of the ubiquitin-proteasome system. <i>Brain Research</i> , 2010 , 1352, 70-82	3.7	37
57	No Lewy pathology in monkeys with over 10 years of severe MPTP Parkinsonism. <i>Movement Disorders</i> , 2009 , 24, 1519-23	7	62
56	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
55	MPTP administration increases plasma levels of acute phase proteins in non-human primates (Macaca fascicularis). <i>Neuroscience Letters</i> , 2009 , 463, 37-9	3.3	10
54	Inflammatory response in Parkinsonism. <i>Journal of Neural Transmission Supplementum</i> , 2009 , 245-52		6
53	Increase of secondary processes of microglial and astroglial cells after MPTP-induced degeneration in substantia nigra pars compacta of non human primates. <i>Journal of Neural Transmission Supplementum</i> , 2009 , 253-8		7
52	Infiltrating CTLs in human glioblastoma establish immunological synapses with tumorigenic cells. <i>American Journal of Pathology</i> , 2009 , 175, 786-98	5.8	40
51	Cavernomas in children with brain tumors: a late complication of radiotherapy. <i>Neurocirugia</i> , 2008 , 19, 50-4	0.6	12
50	CD20, CD3, and CD40 ligand microclusters segregate three-dimensionally in vivo at B-cell-T-cell immunological synapses after viral immunity in primate brain. <i>Journal of Virology</i> , 2008 , 82, 9978-93	6.6	16

49	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
48	Changes in the neuronal activity in the pedunculopontine nucleus in chronic MPTP-treated primates: an in situ hybridization study of cytochrome oxidase subunit I, choline acetyl transferase and substance P mRNA expression. <i>Journal of Neural Transmission</i> , 2007 , 114, 319-26	4.3	31
47	Metabolic activity of cerebellar and basal ganglia-thalamic neurons is reduced in parkinsonism. <i>Brain</i> , 2007 , 130, 265-75	11.2	55
46	Visceral signals reach visual cortex during slow wave sleep: study in monkeys. <i>Acta Neurobiologiae Experimentalis</i> , 2006 , 66, 69-73	1	13
45	Increased plasma levels of TNF-alpha but not of IL1-beta in MPTP-treated monkeys one year after the MPTP administration. <i>Parkinsonism and Related Disorders</i> , 2005 , 11, 435-9	3.6	53
44	Morphological impairments in retinal neurons of the scotopic visual pathway in a monkey model of Parkinson's disease. <i>Journal of Comparative Neurology</i> , 2005 , 493, 261-73	3.4	48
43	Ontogeny of tyrosine hydroxylase mRNA expression in mid- and forebrain: neuromeric pattern and novel positive regions. <i>Developmental Dynamics</i> , 2005 , 234, 709-17	2.9	64
42	Changes in vascularization in substantia nigra pars compacta of monkeys rendered parkinsonian. Journal of Neural Transmission, 2005 , 112, 1237-48	4.3	75
41	Modulatory Role of NK1 Receptors in the Basal Ganglia. Studies in NK1-/- Mice 2005, 151-159		
40	Blood vessels and parkinsonism. <i>Frontiers in Bioscience - Landmark</i> , 2004 , 9, 277-82	2.8	32
39	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
38	Measurement of motor disability in MPTP-treated macaques using a telemetry system for estimating circadian motor activity. <i>Journal of Neuroscience Methods</i> , 2004 , 134, 59-64	3	18
37	On the neurotoxicity mechanism of leukoaminochrome o-semiquinone radical derived from dopamine oxidation: mitochondria damage, necrosis, and hydroxyl radical formation. <i>Neurobiology of Disease</i> , 2004 , 16, 468-77	7.5	99
36	Parkinson's disease and inflammatory changes. <i>Neurotoxicity Research</i> , 2003 , 5, 411-8	4.3	63
35	Circadian determinations of cortisol, prolactin and melatonin in chronic methyl-phenyl-tetrahydropyridine-treated monkeys. <i>Neuroendocrinology</i> , 2003 , 78, 118-28	5.6	36
34	Blood Vessels And Neurodegeneration In Parkinson Disease. <i>Advances in Behavioral Biology</i> , 2002 , 341	-347	2
33	Functional anatomy of thalamus and basal ganglia. Childrs Nervous System, 2002, 18, 386-404	1.7	420
32	Anatomo-Chemical Organization of the Basal Ganglia Circuitry in the Normal and Parkinsonian States. <i>Advances in Behavioral Biology</i> , 2002 , 521-530		

Metabolic effects of nigrostriatal denervation in basal ganglia. Trends in Neurosciences, 2000, 23, S78-8513.3 31 Nocturnal sleep structure and temperature slope in MPTP treated monkeys. Journal of Neural 48 30 4.3 Transmission, 1999, 106, 1125-34 [125I]EGF binding in basal ganglia of patients with Parkinson's disease and progressive 29 5.7 7 supranuclear palsy and in MPTP-treated monkeys. Experimental Neurology, 1998, 154, 146-56 Re-evaluation of the functional anatomy of the basal ganglia in normal and Parkinsonian states. 28 3.9 241 Neuroscience, 1997, 76, 335-43 Consequences of nigrostriatal denervation on the functioning of the basal ganglia in human and nonhuman primates: an in situ hybridization study of cytochrome oxidase subunit I mRNA. Journal 6.6 27 139 of Neuroscience, 1997, 17, 765-73 Regulation of metallothionein-III (GIF) mRNA in the brain of patients with Alzheimer disease is not 26 67 impaired. Molecular and Chemical Neuropathology, 1997, 32, 101-21 Entorhinal cortex of the rat: cytoarchitectonic subdivisions and the origin and distribution of 25 3.5 322 cortical efferents. *Hippocampus*, **1997**, 7, 146-83 Expression of Bcl-2 in adult human brain regions with special reference to neurodegenerative 6 56 24 disorders. Journal of Neurochemistry, 1997, 69, 223-31 Metabolic activity of the basal ganglia in parkinsonian syndromes in human and non-human 103 23 3.9 primates: a cytochrome oxidase histochemistry study. Neuroscience, 1996, 71, 903-12 Effects of L-DOPA-therapy on dopamine D2 receptor mRNA expression in the striatum of 37 MPTP-intoxicated parkinsonian monkeys. Molecular Brain Research, 1996, 42, 149-55 Subthalamotomy in parkinsonian monkeys. Behavioural and biochemical analysis. Brain, 1996, 119 (21 11.2 225 Pt 5), 1717-27 Consequence of nigrostriatal denervation and L-dopa therapy on the expression of glutamic acid 20 6.5 79 decarboxylase messenger RNA in the pallidum. Neurology, 1996, 47, 219-24 Effects of nigrostriatal denervation and L-dopa therapy on the GABAergic neurons in the striatum in MPTP-treated monkeys and Parkinson's disease: an in situ hybridization study of GAD67 mRNA. 56 19 3.5 European Journal of Neuroscience, 1995, 7, 1199-209 Autoradiographic localization and density of [1251] ferrotransferrin binding sites in the basal ganglia of control subjects, patients with Parkinson's disease and MPTP-lesioned monkeys. Brain Research, 18 38 3.7 **1995**, 691, 115-24 Striatal expression of substance P and methionin-enkephalin in genes in patients with Parkinson's 17 3.3 20 disease. Neuroscience Letters, 1995, 199, 220-4 Effects of L-DOPA on preproenkephalin and preprotachykinin gene expression in the MPTP-treated 16 3.9 127 monkey striatum. Neuroscience, 1995, 68, 1189-98 Chronic alcoholism decreases neuronal nuclear size in the human entorhinal cortex. Neuroscience 15 3.3 19 Letters, 1995, 183, 71-4 The role of pulsatile versus continuous dopamine receptor stimulation for functional recovery in 78 14 3.5 Parkinson's disease. European Journal of Neuroscience, 1994, 6, 889-97

13	MPTP-induced parkinsonism in primates: pattern of striatal dopamine loss following acute and chronic administration. <i>Neuroscience Letters</i> , 1994 , 175, 121-5	3.3	44	
12	Subthalamotomy improves MPTP-induced parkinsonism in monkeys. <i>Stereotactic and Functional Neurosurgery</i> , 1994 , 62, 98-102	1.6	49	
11	Does neuromelanin contribute to the vulnerability of catecholaminergic neurons in monkeys intoxicated with MPTP?. <i>Neuroscience</i> , 1993 , 56, 499-511	3.9	89	
10	GM-1 ganglioside promotes the recovery of surviving midbrain dopaminergic neurons in MPTP-treated monkeys. <i>Neuroscience</i> , 1993 , 56, 965-72	3.9	49	
9	In situ hybridization of GAD mRNA in monkey and human brain: quantification at both regional and cellular levels. <i>Neuroscience Letters</i> , 1993 , 157, 57-61	3.3	12	
8	Behavioral tolerance to repeated apomorphine administration in parkinsonian monkeys. <i>Journal of the Neurological Sciences</i> , 1993 , 114, 40-4	3.2	20	
7	Neuromelanin accumulation with age in catecholaminergic neurons from Macaca fascicularis brainstem. <i>Developmental Neuroscience</i> , 1993 , 15, 37-48	2.2	24	
6	Immunocytochemical quantification of tyrosine hydroxylase at a cellular level in the mesencephalon of control subjects and patients with Parkinson's and Alzheimer's disease. <i>Journal of Neurochemistry</i> , 1993 , 61, 1024-34	6	57	
5	Differential vulnerability to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine of dopaminergic and cholinergic neurons in the monkey mesopontine tegmentum. <i>Brain Research</i> , 1993 , 624, 281-5	3.7	19	
4	Chronic MPTP treatment reduces substance P and met-enkephalin content in the basal ganglia of the marmoset. <i>Brain Research</i> , 1992 , 585, 156-60	3.7	22	
3	Cortical projections from the laterodorsal and dorsal tegmental nuclei. A fluorescent retrograde tracing study in the rat. <i>Neuroscience Letters</i> , 1991 , 123, 144-7	3.3	14	
2	Cortically projecting cells in the periaqueductal gray matter of the rat. A retrograde fluorescent tracer study. <i>Brain Research</i> , 1991 , 543, 201-12	3.7	25	
1	Extensive loss of brain dopamine and serotonin induced by chronic administration of MPTP in the marmoset. <i>Brain Research</i> , 1991 , 567, 127-32	3.7	89	