Mal Gmez Tansey

List of Publications by Citations

99 papers	5,102 citations	34 h-index	71 g-index
127 ext. papers	6,441 ext. citations	7.3 avg, IF	6.24 L-index

#	Paper	IF	Citations
99	Neuroinflammation in Parkinson's disease: its role in neuronal death and implications for therapeutic intervention. *Neurobiology of Disease*, **2010**, 37, 510-8	7.5	726
98	TNF signaling inhibition in the CNS: implications for normal brain function and neurodegenerative disease. *Journal of Neuroinflammation*, **2008**, 5, 45	10.1	574
97	Blocking soluble tumor necrosis factor signaling with dominant-negative tumor necrosis factor inhibitor attenuates loss of dopaminergic neurons in models of Parkinson's disease. *Journal of Neuroscience*, **2006**, 26, 9365-75	6.6	289
96	The gut-brain axis: is intestinal inflammation a silent driver of Parkinson's disease pathogenesis?. *Npj Parkinsons Disease*, **2017**, 3, 3	9.7	252
95	Parkin deficiency increases vulnerability to inflammation-related nigral degeneration. *Journal of Neuroscience*, **2008**, 28, 10825-34	6.6	206
94	Inhibition of soluble TNF signaling in a mouse model of Alzheimer's disease prevents pre-plaque amyloid-associated neuropathology. *Neurobiology of Disease*, **2009**, 34, 163-77	7.5	204
93	Inactivation of TNF signaling by rationally designed dominant-negative TNF variants. *Science*, **2003**, 301, 1895-8	33.3	188
92	The role of innate and adaptive immunity in Parkinson's disease. *Journal of Parkinsons Disease*, **2013**, 3, 493-514	5.3	181
91	Neuroimmunological processes in Parkinson's disease and their relation to -synuclein: microglia as the referee between neuronal processes and peripheral immunity. *ASN Neuro*, **2013**, 5, 113-39	5.3	166
90	Microglial phenotypes in Parkinson's disease and animal models of the disease. *Progress in Neurobiology*, **2017**, 155, 57-75	10.9	143
89	What does plasma CRP tell us about peripheral and central inflammation in depression?. *Molecular Psychiatry*, **2020**, 25, 1301-1311	15.1	131
88	Intranigral lentiviral delivery of dominant-negative TNF attenuates neurodegeneration and behavioral deficits in hemiparkinsonian rats. *Molecular Therapy*, **2008**, 16, 1572-9	11.7	95
87	Delayed dominant-negative TNF gene therapy halts progressive loss of nigral dopaminergic neurons in a rat model of Parkinson's disease. *Molecular Therapy*, **2011**, 19, 46-52	11.7	86
86	Lewy body-like alpha-synuclein inclusions trigger reactive microgliosis prior to nigral degeneration. *Journal of Neuroinflammation*, **2018**, 15, 129	10.1	82
85	Lipopolysaccharide and tumor necrosis factor regulate Parkin expression via nuclear factor-kappa B. *PLoS ONE*, **2011**, 6, e23660	3.7	82
84	Stool Immune Profiles Evince Gastrointestinal Inflammation in Parkinson's Disease. *Movement Disorders*, **2018**, 33, 793-804	7	77
83	Toll-like Receptor 4 Mediates Morphine-Induced Neuroinflammation and Tolerance via Soluble Tumor Necrosis Factor Signaling. *Neuropsychopharmacology*, **2017**, 42, 661-670	8.7	75

82	Regulator of G-protein signaling 10 promotes dopaminergic neuron survival via regulation of the microglial inflammatory response. *Journal of Neuroscience*, **2008**, 28, 8517-28	6.6	74
81	Peripheral administration of the soluble TNF inhibitor XPro1595 modifies brain immune cell profiles, decreases beta-amyloid plaque load, and rescues impaired long-term potentiation in 5xFAD mice. *Neurobiology of Disease*, **2017**, 102, 81-95	7.5	63
80	Regulator of G-protein signaling-10 negatively regulates NF-B in microglia and neuroprotects dopaminergic neurons in hemiparkinsonian rats. *Journal of Neuroscience*, **2011**, 31, 11879-88	6.6	57
79	Neuroinflammation and non-motor symptoms: the dark passenger of Parkinson's disease?. *Current Neurology and Neuroscience Reports*, **2012**, 12, 350-8	6.6	54
78	Relationships of gut microbiota, short-chain fatty acids, inflammation, and the gut barrier in Parkinson's disease. *Molecular Neurodegeneration*, **2021**, 16, 6	19	54
77	TNF: a key neuroinflammatory mediator of neurotoxicity and neurodegeneration in models of Parkinson's disease. *Advances in Experimental Medicine and Biology*, **2011**, 691, 539-40	3.6	54
76	Chronic psychological stress and high-fat high-fructose diet disrupt metabolic and inflammatory gene networks in the brain, liver, and gut and promote behavioral deficits in mice. *Brain, Behavior, and Immunity*, **2017**, 59, 158-172	16.6	53
75	Immune system responses in Parkinson's disease: Early and dynamic. *European Journal of Neuroscience*, **2019**, 49, 364-383	3.5	52
74	Peripheral administration of the selective inhibitor of soluble tumor necrosis factor (TNF) XPro 1595 attenuates nigral cell loss and glial activation in 6-OHDA hemiparkinsonian rats. *Journal of Parkinsons Disease*, **2014**, 4, 349-60	5.3	50
73	LRRK2 regulation of immune-pathways and inflammatory disease. *Biochemical Society Transactions*, **2019**, 47, 1581-1595	5.1	49
72	Therapeutic inhibition of soluble brain TNF promotes remyelination by increasing myelin phagocytosis by microglia. *JCI Insight*, **2017**, 2,	9.9	47
71	Regulation of microglia effector functions by tumor necrosis factor signaling. *Glia*, **2012**, 60, 189-202	9	42
70	A survey from 2012 of evidence for the role of neuroinflammation in neurotoxin animal models of Parkinson's disease and potential molecular targets. *Experimental Neurology*, **2014**, 256, 126-32	5.7	41
69	The G2019S LRRK2 mutation increases myeloid cell chemotactic responses and enhances LRRK2 binding to actin-regulatory proteins. *Human Molecular Genetics*, **2015**, 24, 4250-67	5.6	40
68	Lysosome and Inflammatory Defects in GBA1-Mutant Astrocytes Are Normalized by LRRK2 Inhibition. *Movement Disorders*, **2020**, 35, 760-773	7	39
67	Targeting soluble tumor necrosis factor as a potential intervention to lower risk for late-onset Alzheimer's disease associated with obesity, metabolic syndrome, and type 2 diabetes. *Alzheimers Research and Therapy*, **2019**, 12, 1	9	39
66	Candidate inflammatory biomarkers display unique relationships with alpha-synuclein and correlate with measures of disease severity in subjects with Parkinson's disease. *Journal of Neuroinflammation*, **2017**, 14, 164	10.1	34
65	A systems pharmacology-based approach to identify novel Kv1.3 channel-dependent mechanisms in microglial activation. *Journal of Neuroinflammation*, **2017**, 14, 128	10.1	34

64	Interactions Between Commensal Bacteria and Enteric Neurons, via FPR1 Induction of ROS, Increase Gastrointestinal Motility in Mice. *Gastroenterology*, **2019**, 157, 179-192.e2	13.3	33
63	Molecular Signatures of Neuroinflammation Induced by Synuclein Aggregates in Microglial Cells. *Frontiers in Immunology*, **2020**, 11, 33	8.4	31
62	Critical role of regulator G-protein signaling 10 (RGS10) in modulating macrophage M1/M2 activation. *PLoS ONE*, **2013**, 8, e81785	3.7	30
61	Potential Role of the Gut Microbiome in ALS: A Systematic Review. *Biological Research for Nursing*, **2018**, 20, 513-521	2.6	29
60	Two weeks of predatory stress induces anxiety-like behavior with co-morbid depressive-like behavior in adult male mice. *Behavioural Brain Research*, **2014**, 275, 120-5	3.4	26
59	Chimeric Peptide Species Contribute to Divergent Dipeptide Repeat Pathology in c9ALS/FTD and SCA36. *Neuron*, **2020**, 107, 292-305.e6	13.9	25
58	Chronic adolescent stress sex-specifically alters central and peripheral neuro-immune reactivity in rats. *Brain, Behavior, and Immunity*, **2019**, 76, 248-257	16.6	25
57	RGS10 exerts a neuroprotective role through the PKA/c-AMP response-element (CREB) pathway in dopaminergic neuron-like cells. *Journal of Neurochemistry*, **2012**, 122, 333-43	6	24
56	Inflammation and immune dysfunction in Parkinson disease.. *Nature Reviews Immunology*, **2022**,	36.5	23
55	Genetic and Environmental Factors in Parkinson's Disease Converge on Immune Function and Inflammation. *Movement Disorders*, **2021**, 36, 25-36	7	22
54	LRRK2 at the Interface Between Peripheral and Central Immune Function in Parkinson's. *Frontiers in Neuroscience*, **2020**, 14, 443	5.1	21
53	RGS10 Negatively Regulates Platelet Activation and Thrombogenesis. *PLoS ONE*, **2016**, 11, e0165984	3.7	20
52	Spinal Motor Circuit Synaptic Plasticity after Peripheral Nerve Injury Depends on Microglia Activation and a CCR2 Mechanism. *Journal of Neuroscience*, **2019**, 39, 3412-3433	6.6	19
51	An open label study of a novel immunosuppression intervention for the treatment of amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2018**, 19, 242-249	3.6	19
50	Peripheral and central immune system crosstalk in Alzheimer disease - a research prospectus. *Nature Reviews Neurology*, **2021**, 17, 689-701	15	18
49	Synuclein and Noradrenergic Modulation of Immune Cells in Parkinson's Disease Pathogenesis. *Frontiers in Neuroscience*, **2018**, 12, 626	5.1	17
48	Microglia, inflammation and gut microbiota responses in a progressive monkey model of Parkinson's disease: A case series. *Neurobiology of Disease*, **2020**, 144, 105027	7.5	16
47	RGS10 deficiency ameliorates the severity of disease in experimental autoimmune encephalomyelitis. *Journal of Neuroinflammation*, **2016**, 13, 24	10.1	15

46	Physiology of RGS10 in Neurons and Immune Cells. *Progress in Molecular Biology and Translational Science*, **2015**, 133, 153-67	4	14
45	Age-related changes in regulator of G-protein signaling (RGS)-10 expression in peripheral and central immune cells may influence the risk for age-related degeneration. *Neurobiology of Aging*, **2015**, 36, 1982-93	5.6	14
44	Microglial Phenotypes and Their Relationship to the Cannabinoid System: Therapeutic Implications for Parkinson's Disease. *Molecules*, **2020**, 25,	4.8	14
43	Rationale and Design of the Mechanistic Potential of Antihypertensives in Preclinical Alzheimer's (HEART) Trial. *Journal of Alzheimers Disease*, **2018**, 61, 815-824	4.3	14
42	Experimental colitis promotes sustained, sex-dependent, T-cell-associated neuroinflammation and parkinsonian neuropathology. *Acta Neuropathologica Communications*, **2021**, 9, 139	7.3	11
41	Adolescent stress sensitizes the adult neuroimmune transcriptome and leads to sex-specific microglial and behavioral phenotypes. *Neuropsychopharmacology*, **2021**, 46, 949-958	8.7	10
40	Chronic psychological stress during adolescence induces sex-dependent adulthood inflammation, increased adiposity, and abnormal behaviors that are ameliorated by selective inhibition of soluble tumor necrosis factor with XPro1595. *Brain, Behavior, and Immunity*, **2019**, 81, 305-316	16.6	9
39	Is LRRK2 the missing link between inflammatory bowel disease and Parkinson's disease?. *Npj Parkinsons Disease*, **2021**, 7, 26	9.7	9
38	Selective effects of a therapeutic protein targeting tumor necrosis factor-alpha on cytochrome P450 regulation during infectious colitis: Implications for disease-dependent drug-drug interactions. *Pharmacology Research and Perspectives*, **2014**, 2, e00027	3.1	8
37	Transgenic Mice Expressing Human Synuclein in Noradrenergic Neurons Develop Locus Ceruleus Pathology and Nonmotor Features of Parkinson's Disease. *Journal of Neuroscience*, **2020**, 40, 7559-7576	6.6	8
36	Gut microbiome differences between amyotrophic lateral sclerosis patients and spouse controls. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2021**, 1-9	3.6	8
35	Parkinsonism without dopamine neuron degeneration in aged l-dopa-responsive dystonia knockin mice. *Movement Disorders*, **2017**, 32, 1694-1700	7	6
34	Inflammatory mechanisms contribute to microembolism-induced anxiety-like and depressive-like behaviors. *Behavioural Brain Research*, **2016**, 303, 160-7	3.4	6
33	AAV-dominant negative tumor necrosis factor (DN-TNF) gene transfer to the striatum does not rescue medium spiny neurons in the YAC128 mouse model of Huntington's disease. *PLoS ONE*, **2014**, 9, e96544	3.7	6
32	The gut microbiome and neuroinflammation in amyotrophic lateral sclerosis? Emerging clinical evidence. *Neurobiology of Disease*, **2020**, 135, 104300	7.5	4
31	The second generation mixed lineage kinase-3 (MLK3) inhibitor CLFB-1134 protects against neurotoxin-induced nigral dopaminergic neuron loss. *Experimental Neurology*, **2019**, 318, 157-164	5.7	3
30	Linking mitochondria to the immune response. *ELife*, **2020**, 9,	8.9	3
29	Poldip2 controls leukocyte infiltration into the ischemic brain by regulating focal adhesion kinase-mediated VCAM-1 induction. *Scientific Reports*, **2021**, 11, 5533	4.9	3

28	Inflammation-Related Factors Identified as Biomarkers of Dehydration and Subsequent Acute Kidney Injury in Agricultural Workers. *Biological Research for Nursing*, **2021**, 23, 676-688	2.6	2
27	Bacterial Butyrate in Parkinson's Disease Is Linked to Epigenetic Changes and Depressive Symptoms. *Movement Disorders*,	7	2
26	LRRK2 **2017**, 107-116		1
25	Role of the Innate and Adaptive Immune System in the Pathogenesis of PD **2014**, 75-103		1
24	P4-480: WESTERN DIET PROMOTES CENTRAL INSULIN IMPAIRMENT AND THE DYSREGULATION OF METABOLITES ASSOCIATED WITH ALZHEIMER'S DISEASE: THE ROLE OF SOLUBLE TNF **2019**, 15, P1496-P1497		1
23	TNF increases tyrosine hydroxylase expression in human monocytes. *Npj Parkinsons Disease*, **2021**, 7, 62	9.7	1
22	Characterization of a Cul9-Parkin double knockout mouse model for Parkinson's disease. *Scientific Reports*, **2020**, 10, 16886	4.9	0
21	Soluble TNF mediates high-fat and high-carbohydrate diet induced inflammation, alterations in peripheral blood and brain immunophenotype, and gut microbiome in a mouse model of amyloid pathology. *Alzheimers and Dementia*, **2020**, 16, e040436	1.2	
20	Loss of progranulin leads to dysregulation of innate and adaptive immune cell populations, increased susceptibility to experimental colitis, and brain infiltration of peripheral immune cells. *Alzheimers and Dementia*, **2020**, 16, e042177	1.2	
19	Synaptoprotective effects of the novel TNF inhibitor XPRO1595 in 5xFAD mice: Interactions between Western diet and sex. *Alzheimers and Dementia*, **2020**, 16, e043621	1.2	
18	Top-line data from a phase 1b biomarker-directed, proof of biology study in Alzheimer's patients treated with XPRO1595, a second-generation treatment for immune dysfunction. *Alzheimers and Dementia*, **2020**, 16, e046037	1.2	
17	Neuroinflammation in Age-Related Neurodegenerative Diseases **2018**, 477-507		
16	[O2 15 03]: ELEVATED CENTRAL AND PERIPHERAL INFLAMMATORY PROFILES IN A POPULATION AT RISK FOR ALZHEIMER's DISEASE **2017**, 13, P594		
15	[P2 090]: ROLE OF SOLUBLE TNF IN DIET-INDUCED PERIPHERAL AND CENTRAL INFLAMMATION IN A MOUSE MODEL OF ALZHEIMER's DISEASE **2017**, 13, P641-P641		
14	P4-205: Peripheral administration of the novel tnf inhibitor xpro1595 improves synaptic function in the 5XFAD model of Alzheimer's disease **2015**, 11, P859-P859		
13	Interleukin-6 Induced Differential Gene Expression in mDCT15 Cells. *FASEB Journal*, **2020**, 34, 1-1	0.9	
12	Molecular signatures of neuroinflammation induced by synuclein aggregates in microglial cells. *FASEB Journal*, **2020**, 34, 1-1	0.9	
11	Effect of High Fat High Fructose Diet on Peripheral Immune Cell Trafficking into the Brain in CCR2 Mouse Model. *FASEB Journal*, **2018**, 32, 740.10	0.9	

List of Publications

10	Lactobacilli -induced Generation of Reactive Oxygen Species via Formyl Peptide Receptor-1 (FPR1) Regulates Intestinal Motility in Mice. *FASEB Journal*, **2019**, 33, 763.1	0.9
9	Workshop summary: roles of the TNF family in neuronal development, function and pathology. *Advances in Experimental Medicine and Biology*, **2011**, 691, 537-8	3.6
8	RNA-SEQ REVEALS HSP90 AS A REGULATOR FOR INTERLEUKIN 6-MEDIATED ACTIVATION OF NCC VIA THE MINERALOCORTICOID RECEPTOR. *Journal of Hypertension*, **2021**, 39, e49	1.9
7	P3-069: Elucidating the Relationship Between Hyperphosphorylated TAU and Locus Coeruleus Degeneration in Alzheimer Disease **2016**, 12, P844-P844	
6	O2-11-02: THE ROLE OF SOLUBLE TNF IN METABOLIC DYSFUNCTION AND BBB ALTERATIONS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE **2018**, 14, P647-P647	
5	O2-11-03: PROGRANULIN LOSS DYSREGULATES SPLENIC AND PERIPHERAL BLOOD IMMUNE CELL POPULATIONS AND MAY CONTRIBUTE TO NEUROINFLAMMATION AND NEURODEGENERATION IN FRONTOTEMPORAL DEMENTIA **2018**, 14, P647-P648	
4	Assessing stimulation-dependent changes in LRRK2 and GCase expression/activity and convergence at the lysosome in cryopreserved monocytes.. *Alzheimers and Dementia*, **2021**, 17 Suppl 3, e054214	1.2
3	The role of cannabinoid receptor 2 in microglial clearance of human tau.. *Alzheimers and Dementia*, **2021**, 17 Suppl 3, e054361	1.2
2	The role of soluble TNF in mediating immune and metabolic alterations in a mouse model of amyloid-beta pathology.. *Alzheimers and Dementia*, **2021**, 17 Suppl 3, e055753	1.2
1	Pathogenic tau recruits wild-type tau into brain inclusions and induces gut degeneration in transgenic SPAM mice.. *Communications Biology*, **2022**, 5, 446	6.7