

Malu G Tansey

List of Publications by Citations

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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.

89
papers

8,466
citations

46
h-index

92
g-index

93
ext. papers

9,777
ext. citations

8.1
avg, IF

6.4
L-index

#	Paper	IF	Citations
89	Neuroinflammation in Parkinson's disease: its role in neuronal death and implications for therapeutic intervention. <i>Neurobiology of Disease</i> , 2010 , 37, 510-8	7.5	726
88	TNF signaling inhibition in the CNS: implications for normal brain function and neurodegenerative disease. <i>Journal of Neuroinflammation</i> , 2008 , 5, 45	10.1	574
87	Does neuroinflammation fan the flame in neurodegenerative diseases?. <i>Molecular Neurodegeneration</i> , 2009 , 4, 47	19	505
86	Artemin, a novel member of the GDNF ligand family, supports peripheral and central neurons and signals through the GFRalpha3-RET receptor complex. <i>Neuron</i> , 1998 , 21, 1291-302	13.9	487
85	Persephin, a novel neurotrophic factor related to GDNF and neurturin. <i>Neuron</i> , 1998 , 20, 245-53	13.9	421
84	Neuroinflammatory mechanisms in Parkinson's disease: potential environmental triggers, pathways, and targets for early therapeutic intervention. <i>Experimental Neurology</i> , 2007 , 208, 1-25	5.7	397
83	Trnr2, a novel receptor that mediates neurturin and GDNF signaling through Ret. <i>Neuron</i> , 1997 , 18, 793-803	13.9	309
82	Blocking soluble tumor necrosis factor signaling with dominant-negative tumor necrosis factor inhibitor attenuates loss of dopaminergic neurons in models of Parkinson's disease. <i>Journal of Neuroscience</i> , 2006 , 26, 9365-75	6.6	289
81	The gut-brain axis: is intestinal inflammation a silent driver of Parkinson's disease pathogenesis?. <i>Npj Parkinson's Disease</i> , 2017 , 3, 3	9.7	252
80	GFRalpha-mediated localization of RET to lipid rafts is required for effective downstream signaling, differentiation, and neuronal survival. <i>Neuron</i> , 2000 , 25, 611-23	13.9	248
79	Inhibition of phosphatidylinositol 3-kinase activity blocks depolarization- and insulin-like growth factor I-mediated survival of cerebellar granule cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 9847-53	5.4	215
78	Parkin deficiency increases vulnerability to inflammation-related nigral degeneration. <i>Journal of Neuroscience</i> , 2008 , 28, 10825-34	6.6	206
77	Inhibition of soluble TNF signaling in a mouse model of Alzheimer's disease prevents pre-plaque amyloid-associated neuropathology. <i>Neurobiology of Disease</i> , 2009 , 34, 163-77	7.5	204
76	Inactivation of TNF signaling by rationally designed dominant-negative TNF variants. <i>Science</i> , 2003 , 301, 1895-8	33.3	188
75	The role of innate and adaptive immunity in Parkinson's disease. <i>Journal of Parkinson's Disease</i> , 2013 , 3, 493-514	5.3	181
74	Neuroimmunological processes in Parkinson's disease and their relation to ß-synuclein: microglia as the referee between neuronal processes and peripheral immunity. <i>ASN Neuro</i> , 2013 , 5, 113-39	5.3	166
73	Gamma-secretase activity is dispensable for mesenchyme-to-epithelium transition but required for podocyte and proximal tubule formation in developing mouse kidney. <i>Development (Cambridge)</i> , 2003 , 130, 5031-42	6.6	161

72	Microglial phenotypes in Parkinson's disease and animal models of the disease. <i>Progress in Neurobiology</i> , 2017 , 155, 57-75	10.9	143
71	c-Src is required for glial cell line-derived neurotrophic factor (GDNF) family ligand-mediated neuronal survival via a phosphatidylinositol-3 kinase (PI-3K)-dependent pathway. <i>Journal of Neuroscience</i> , 2001 , 21, 1464-72	6.6	127
70	Neuroinflammation in Parkinson's disease. <i>Journal of NeuroImmune Pharmacology</i> , 2009 , 4, 419-29	6.9	119
69	Intranigral lentiviral delivery of dominant-negative TNF attenuates neurodegeneration and behavioral deficits in hemiparkinsonian rats. <i>Molecular Therapy</i> , 2008 , 16, 1572-9	11.7	95
68	Delayed dominant-negative TNF gene therapy halts progressive loss of nigral dopaminergic neurons in a rat model of Parkinson's disease. <i>Molecular Therapy</i> , 2011 , 19, 46-52	11.7	86
67	Neuroinflammation in Parkinson's disease: is there sufficient evidence for mechanism-based interventional therapy?. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 709-17	2.8	83
66	Lipopolysaccharide and tumor necrosis factor regulate Parkin expression via nuclear factor-kappa B. <i>PLoS ONE</i> , 2011 , 6, e23660	3.7	82
65	Stool Immune Profiles Evince Gastrointestinal Inflammation in Parkinson's Disease. <i>Movement Disorders</i> , 2018 , 33, 793-804	7	77
64	Microglia isolation from adult mouse brain. <i>Methods in Molecular Biology</i> , 2013 , 1041, 17-23	1.4	77
63	Toll-like Receptor 4 Mediates Morphine-Induced Neuroinflammation and Tolerance via Soluble Tumor Necrosis Factor Signaling. <i>Neuropsychopharmacology</i> , 2017 , 42, 661-670	8.7	75
62	Regulator of G-protein signaling 10 promotes dopaminergic neuron survival via regulation of the microglial inflammatory response. <i>Journal of Neuroscience</i> , 2008 , 28, 8517-28	6.6	74
61	Progranulin does not bind tumor necrosis factor (TNF) receptors and is not a direct regulator of TNF-dependent signaling or bioactivity in immune or neuronal cells. <i>Journal of Neuroscience</i> , 2013 , 33, 9202-13	6.6	71
60	The synthetic triterpenoid CDDO-methyl ester modulates microglial activities, inhibits TNF production, and provides dopaminergic neuroprotection. <i>Journal of Neuroinflammation</i> , 2008 , 5, 14	10.1	68
59	Modeling neuroinflammatory pathogenesis of Parkinson's disease. <i>Progress in Brain Research</i> , 2010 , 184, 113-32	2.9	67
58	Autologous transplants of Adipose-Derived Adult Stromal (ADAS) cells afford dopaminergic neuroprotection in a model of Parkinson's disease. <i>Experimental Neurology</i> , 2008 , 210, 14-29	5.7	67
57	Psychological stress in adolescent and adult mice increases neuroinflammation and attenuates the response to LPS challenge. <i>Journal of Neuroinflammation</i> , 2012 , 9, 9	10.1	64
56	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. <i>Neurobiology of Disease</i> , 2017 , 102, 81-95	7.5	63
55	Regulator of G-protein signaling-10 negatively regulates NF- κ B in microglia and neuroprotects dopaminergic neurons in hemiparkinsonian rats. <i>Journal of Neuroscience</i> , 2011 , 31, 11879-88	6.6	57

54	Neuroinflammation and non-motor symptoms: the dark passenger of Parkinson's disease?. <i>Current Neurology and Neuroscience Reports</i> , 2012 , 12, 350-8	6.6	54
53	Relationships of gut microbiota, short-chain fatty acids, inflammation, and the gut barrier in Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2021 , 16, 6	19	54
52	TNF: a key neuroinflammatory mediator of neurotoxicity and neurodegeneration in models of Parkinson's disease. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 691, 539-40	3.6	54
51	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. <i>Brain, Behavior, and Immunity</i> , 2017 , 59, 158-172	16.6	53
50	Immune system responses in Parkinson's disease: Early and dynamic. <i>European Journal of Neuroscience</i> , 2019 , 49, 364-383	3.5	52
49	Quantitative analysis of the detergent-insoluble brain proteome in frontotemporal lobar degeneration using SILAC internal standards. <i>Journal of Proteome Research</i> , 2012 , 11, 2721-38	5.6	51
48	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. <i>Journal of Parkinson's Disease</i> , 2014 , 4, 349-60	5.3	50
47	Functional mapping of receptor specificity domains of glial cell line-derived neurotrophic factor (GDNF) family ligands and production of GFRalpha1 RET-specific agonists. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3412-20	5.4	49
46	LRRK2 regulation of immune-pathways and inflammatory disease. <i>Biochemical Society Transactions</i> , 2019 , 47, 1581-1595	5.1	49
45	Therapeutic inhibition of soluble brain TNF promotes remyelination by increasing myelin phagocytosis by microglia. <i>JCI Insight</i> , 2017 , 2,	9.9	47
44	Regulation of microglia effector functions by tumor necrosis factor signaling. <i>Glia</i> , 2012 , 60, 189-202	9	42
43	A survey from 2012 of evidence for the role of neuroinflammation in neurotoxin animal models of Parkinson's disease and potential molecular targets. <i>Experimental Neurology</i> , 2014 , 256, 126-32	5.7	41
42	The G2019S LRRK2 mutation increases myeloid cell chemotactic responses and enhances LRRK2 binding to actin-regulatory proteins. <i>Human Molecular Genetics</i> , 2015 , 24, 4250-67	5.6	40
41	Lysosome and Inflammatory Defects in GBA1-Mutant Astrocytes Are Normalized by LRRK2 Inhibition. <i>Movement Disorders</i> , 2020 , 35, 760-773	7	39
40	Tumor necrosis factor-neuropeptide Y cross talk regulates inflammation, epithelial barrier functions, and colonic motility. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, 2535-46	4.5	39
39	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. <i>Alzheimer's Research and Therapy</i> , 2019 , 12, 1	9	39
38	Ceramide sphingolipid signaling mediates Tumor Necrosis Factor (TNF)-dependent toxicity via caspase signaling in dopaminergic neurons. <i>Molecular Neurodegeneration</i> , 2012 , 7, 45	19	38
37	Candidate inflammatory biomarkers display unique relationships with alpha-synuclein and correlate with measures of disease severity in subjects with Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2017 , 14, 164	10.1	34

36	A systems pharmacology-based approach to identify novel Kv1.3 channel-dependent mechanisms in microglial activation. <i>Journal of Neuroinflammation</i> , 2017 , 14, 128	10.1	34
35	Neuroinflammation and tumor necrosis factor signaling in the pathophysiology of Alzheimer's disease. <i>Journal of Inflammation Research</i> , 2008 , 1, 29-39	4.8	32
34	Molecular Signatures of Neuroinflammation Induced by β -Synuclein Aggregates in Microglial Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 33	8.4	31
33	Critical role of regulator G-protein signaling 10 (RGS10) in modulating macrophage M1/M2 activation. <i>PLoS ONE</i> , 2013 , 8, e81785	3.7	30
32	Two weeks of predatory stress induces anxiety-like behavior with co-morbid depressive-like behavior in adult male mice. <i>Behavioural Brain Research</i> , 2014 , 275, 120-5	3.4	26
31	RNF11 modulates microglia activation through NF- κ B signalling cascade. <i>Neuroscience Letters</i> , 2012 , 528, 174-9	3.3	25
30	Chronic adolescent stress sex-specifically alters central and peripheral neuro-immune reactivity in rats. <i>Brain, Behavior, and Immunity</i> , 2019 , 76, 248-257	16.6	25
29	RGS10 exerts a neuroprotective role through the PKA/c-AMP response-element (CREB) pathway in dopaminergic neuron-like cells. <i>Journal of Neurochemistry</i> , 2012 , 122, 333-43	6	24
28	Genetic and Environmental Factors in Parkinson's Disease Converge on Immune Function and Inflammation. <i>Movement Disorders</i> , 2021 , 36, 25-36	7	22
27	RGS10 Negatively Regulates Platelet Activation and Thrombogenesis. <i>PLoS ONE</i> , 2016 , 11, e0165984	3.7	20
26	Spinal Motor Circuit Synaptic Plasticity after Peripheral Nerve Injury Depends on Microglia Activation and a CCR2 Mechanism. <i>Journal of Neuroscience</i> , 2019 , 39, 3412-3433	6.6	19
25	An open label study of a novel immunosuppression intervention for the treatment of amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018 , 19, 242-249	3.6	19
24	Isolation of murine postnatal brain microglia for phenotypic characterization using magnetic cell separation technology. <i>Methods in Molecular Biology</i> , 2013 , 1041, 33-9	1.4	18
23	Peripheral and central immune system crosstalk in Alzheimer disease - a research prospectus. <i>Nature Reviews Neurology</i> , 2021 , 17, 689-701	15	18
22	Analysis of inflammation-related nigral degeneration and locomotor function in DJ-1(-/-) mice. <i>Journal of Neuroinflammation</i> , 2013 , 10, 50	10.1	17
21	β -Synuclein and Noradrenergic Modulation of Immune Cells in Parkinson's Disease Pathogenesis. <i>Frontiers in Neuroscience</i> , 2018 , 12, 626	5.1	17
20	Microglia, inflammation and gut microbiota responses in a progressive monkey model of Parkinson's disease: A case series. <i>Neurobiology of Disease</i> , 2020 , 144, 105027	7.5	16
19	RGS10 deficiency ameliorates the severity of disease in experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2016 , 13, 24	10.1	15

18	Cytokines in CNS Inflammation and Disease 2008 , 59-106		15
17	Physiology of RGS10 in Neurons and Immune Cells. <i>Progress in Molecular Biology and Translational Science</i> , 2015 , 133, 153-67	4	14
16	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. <i>Neurobiology of Aging</i> , 2015 , 36, 1982-93	5.6	14
15	Microglial Phenotypes and Their Relationship to the Cannabinoid System: Therapeutic Implications for Parkinson's Disease. <i>Molecules</i> , 2020 , 25,	4.8	14
14	The duality of TNF signaling outcomes in the brain: potential mechanisms?. <i>Experimental Neurology</i> , 2011 , 229, 198-200	5.7	13
13	Adolescent stress sensitizes the adult neuroimmune transcriptome and leads to sex-specific microglial and behavioral phenotypes. <i>Neuropsychopharmacology</i> , 2021 , 46, 949-958	8.7	10
12	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. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 305-316	16.6	9
11	Is LRRK2 the missing link between inflammatory bowel disease and Parkinson's disease?. <i>Npj Parkinson's Disease</i> , 2021 , 7, 26	9.7	9
10	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. <i>Pharmacology Research and Perspectives</i> , 2014 , 2, e00027	3.1	8
9	Gut microbiome differences between amyotrophic lateral sclerosis patients and spouse controls. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2021 , 1-9	3.6	8
8	Parkinsonism without dopamine neuron degeneration in aged l-dopa-responsive dystonia knockin mice. <i>Movement Disorders</i> , 2017 , 32, 1694-1700	7	6
7	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. <i>PLoS ONE</i> , 2014 , 9, e96544	3.7	6
6	The Role of Neuroinflammation in Parkinson's Disease 2011 , 403-421		4
5	The gut microbiome and neuroinflammation in amyotrophic lateral sclerosis? Emerging clinical evidence. <i>Neurobiology of Disease</i> , 2020 , 135, 104300	7.5	4
4	LRRK2 2017 , 107-116		1
3	Role of the Innate and Adaptive Immune System in the Pathogenesis of PD 2014 , 75-103		1
2	Characterization of a Cul9-Parkin double knockout mouse model for Parkinson's disease. <i>Scientific Reports</i> , 2020 , 10, 16886	4.9	0
1	Neuroinflammation in Age-Related Neurodegenerative Diseases 2018 , 477-507		

