

Ronald B Tjalkens

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5673316/ronald-b-tjalkens-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,380
citations

29
h-index

47
g-index

73
ext. papers

2,765
ext. citations

4.4
avg, IF

5.01
L-index

#	Paper	IF	Citations
71	Manganese and its role in Parkinson's disease: from transport to neuropathology. <i>NeuroMolecular Medicine</i> , 2009 , 11, 252-66	4.6	213
70	Microglia amplify inflammatory activation of astrocytes in manganese neurotoxicity. <i>Journal of Neuroinflammation</i> , 2017 , 14, 99	10.1	143
69	Toxicological and pathophysiological roles of reactive oxygen and nitrogen species. <i>Toxicology</i> , 2010 , 276, 85-94	4.4	138
68	Manganese-induced neurotoxicity: the role of astroglial-derived nitric oxide in striatal interneuron degeneration. <i>Toxicological Sciences</i> , 2006 , 91, 521-31	4.4	114
67	Nuclear receptor 4A (NR4A) family - orphans no more. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 157, 48-60	5.1	97
66	The role of docosahexaenoic acid in mediating mitochondrial membrane lipid oxidation and apoptosis in colonocytes. <i>Carcinogenesis</i> , 2005 , 26, 1914-21	4.6	87
65	Cellular selectivity of AAV serotypes for gene delivery in neurons and astrocytes by neonatal intracerebroventricular injection. <i>PLoS ONE</i> , 2017 , 12, e0188830	3.7	68
64	Alpha,beta-unsaturated aldehydes increase glutathione S-transferase mRNA and protein: correlation with activation of the antioxidant response element. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 359, 42-50	4.1	67
63	Age-dependent susceptibility to manganese-induced neurological dysfunction. <i>Toxicological Sciences</i> , 2009 , 112, 394-404	4.4	65
62	Formation and export of the glutathione conjugate of 4-hydroxy-2, 3-E-nonenal (4-HNE) in hepatoma cells. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 361, 113-9	4.1	65
61	Diindolylmethane analogs bind NR4A1 and are NR4A1 antagonists in colon cancer cells. <i>Molecular Endocrinology</i> , 2014 , 28, 1729-39		62
60	Inflammatory Activation of Microglia and Astrocytes in Manganese Neurotoxicity. <i>Advances in Neurobiology</i> , 2017 , 18, 159-181	2.1	56
59	Manganese potentiates lipopolysaccharide-induced expression of NOS2 in C6 glioma cells through mitochondrial-dependent activation of nuclear factor kappaB. <i>Molecular Brain Research</i> , 2004 , 122, 167-79		54
58	The Nurr1 Activator 1,1-Bis(3-Indolyl)-1-(p-Chlorophenyl)Methane Blocks Inflammatory Gene Expression in BV-2 Microglial Cells by Inhibiting Nuclear Factor B. <i>Molecular Pharmacology</i> , 2015 , 87, 1021-34	4.3	49
57	Manganese suppresses ATP-dependent intercellular calcium waves in astrocyte networks through alteration of mitochondrial and endoplasmic reticulum calcium dynamics. <i>Brain Research</i> , 2006 , 1113, 210-9	3.7	48
56	Developmental exposure to manganese increases adult susceptibility to inflammatory activation of glia and neuronal protein nitration. <i>Toxicological Sciences</i> , 2009 , 112, 405-15	4.4	47
55	SARS-CoV-2 infection, neuropathogenesis and transmission among deer mice: Implications for spillback to New World rodents. <i>PLoS Pathogens</i> , 2021 , 17, e1009585	7.6	46

54	Manganese potentiates nuclear factor-kappaB-dependent expression of nitric oxide synthase 2 in astrocytes by activating soluble guanylate cyclase and extracellular responsive kinase signaling pathways. <i>Journal of Neuroscience Research</i> , 2008 , 86, 2028-38	4.4	43
53	Association of glutathione S-transferase isozyme-specific induction and lipid peroxidation in two inbred strains of mice subjected to chronic dietary iron overload. <i>Toxicology and Applied Pharmacology</i> , 1998 , 151, 174-81	4.6	41
52	Neuroprotective efficacy and pharmacokinetic behavior of novel anti-inflammatory para-phenyl substituted diindolylmethanes in a mouse model of Parkinson's disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 345, 125-38	4.7	40
51	Role of oxidative stress and the mitochondrial permeability transition in methylmercury cytotoxicity. <i>NeuroToxicology</i> , 2011 , 32, 526-34	4.4	39
50	Novel para-phenyl substituted diindolylmethanes protect against MPTP neurotoxicity and suppress glial activation in a mouse model of Parkinson's disease. <i>Toxicological Sciences</i> , 2015 , 143, 360-73	4.4	36
49	Manganese-induced NF-kappaB activation and nitrosative stress is decreased by estrogen in juvenile mice. <i>Toxicological Sciences</i> , 2011 , 122, 121-33	4.4	35
48	NF-kappaB-dependent production of nitric oxide by astrocytes mediates apoptosis in differentiated PC12 neurons following exposure to manganese and cytokines. <i>Molecular Brain Research</i> , 2005 , 141, 39-47		35
47	Infection with mosquito-borne alphavirus induces selective loss of dopaminergic neurons, neuroinflammation and widespread protein aggregation. <i>Npj Parkinsons Disease</i> , 2019 , 5, 20	9.7	34
46	Compensatory Expression of Nur77 and Nurr1 Regulates NF-B-Dependent Inflammatory Signaling in Astrocytes. <i>Molecular Pharmacology</i> , 2018 , 94, 1174-1186	4.3	31
45	A novel synthetic activator of Nurr1 induces dopaminergic gene expression and protects against 6-hydroxydopamine neurotoxicity in vitro. <i>Neuroscience Letters</i> , 2015 , 607, 83-89	3.3	30
44	Suppression of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced nitric-oxide synthase 2 expression in astrocytes by a novel diindolylmethane analog protects striatal neurons against apoptosis. <i>Molecular Pharmacology</i> , 2009 , 75, 35-43	4.3	30
43	Entry Sites of Venezuelan and Western Equine Encephalitis Viruses in the Mouse Central Nervous System following Peripheral Infection. <i>Journal of Virology</i> , 2016 , 90, 5785-96	6.6	29
42	Gene deletion of nos2 protects against manganese-induced neurological dysfunction in juvenile mice. <i>Toxicological Sciences</i> , 2012 , 126, 183-92	4.4	29
41	Nuclear factor kappa-B mediates selective induction of neuronal nitric oxide synthase in astrocytes during low-level inflammatory stimulation with MPTP. <i>Brain Research</i> , 2008 , 1217, 1-9	3.7	29
40	A Potent SARS-CoV-2 Neutralizing Human Monoclonal Antibody That Reduces Viral Burden and Disease Severity in Syrian Hamsters. <i>Frontiers in Immunology</i> , 2020 , 11, 614256	8.4	25
39	Analysis of targeted mutation in DJ-1 on cellular function in primary astrocytes. <i>Toxicology Letters</i> , 2009 , 184, 186-91	4.4	25
38	SARS-CoV-2 infection, neuropathogenesis and transmission among deer mice: Implications for reverse zoonosis to New World rodents 2020 ,		25
37	The Nurr1 Ligand, 1,1-bis(3-Indolyl)-1-(4-Chlorophenyl)Methane, Modulates Glial Reactivity and Is Neuroprotective in MPTP-Induced Parkinsonism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018 , 365, 636-651	4.7	24

36	Manganese inhibits ATP-induced calcium entry through the transient receptor potential channel TRPC3 in astrocytes. <i>NeuroToxicology</i> , 2013 , 34, 160-6	4.4	24
35	Modulation of intercellular calcium signaling by melatonin in avian and mammalian astrocytes is brain region-specific. <i>Journal of Comparative Neurology</i> , 2005 , 493, 370-80	3.4	22
34	Glial-neuronal signaling mechanisms underlying the neuroinflammatory effects of manganese. <i>Journal of Neuroinflammation</i> , 2018 , 15, 324	10.1	22
33	Angiotensin II regulates brain (pro)renin receptor expression through activation of cAMP response element-binding protein. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R138-47	3.2	21
32	Repeated exposure to low doses of kainic acid activates nuclear factor kappa B (NF- κ B) prior to seizure in transgenic NF- κ B/EGFP reporter mice. <i>NeuroToxicology</i> , 2014 , 44, 39-47	4.4	20
31	The peroxisome proliferator-activated receptor-gamma agonist 1,1-bis(3-Indolyl)-1-(p-trifluoromethylphenyl)methane suppresses manganese-induced production of nitric oxide in astrocytes and inhibits apoptosis in cocultured PC12 cells. <i>Journal of Neuroscience Research</i> , 2008 , 81, 218-28	4.4	20
30	Domoic acid-induced seizures in California sea lions (<i>Zalophus californianus</i>) are associated with neuroinflammatory brain injury. <i>Aquatic Toxicology</i> , 2014 , 156, 259-68	5.1	19
29	Differential cellular regulation of the mitochondrial permeability transition in an in vitro model of 1,3-dinitrobenzene-induced encephalopathy. <i>Brain Research</i> , 2000 , 874, 165-77	3.7	19
28	1,3-Dinitrobenzene-induced metabolic impairment through selective inactivation of the pyruvate dehydrogenase complex. <i>Toxicological Sciences</i> , 2011 , 122, 502-11	4.4	18
27	Prenatal expression of N-acetyltransferases in C57Bl/6 mice. <i>Chemico-Biological Interactions</i> , 2003 , 145, 77-87	5	18
26	Low-dose 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine causes inflammatory activation of astrocytes in nuclear factor- κ B reporter mice prior to loss of dopaminergic neurons. <i>Journal of Neuroscience Research</i> , 2011 , 89, 406-17	4.4	14
25	Genetic suppression of IKK2/NF- κ B in astrocytes inhibits neuroinflammation and reduces neuronal loss in the MPTP-Probenecid model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2019 , 127, 193-209	7.5	14
24	CI-1010 induced opening of the mitochondrial permeability transition pore precedes oxidative stress and apoptosis in SY5Y neuroblastoma cells. <i>Brain Research</i> , 2003 , 963, 43-56	3.7	13
23	NF- κ B Signaling in Astrocytes Modulates Brain Inflammation and Neuronal Injury Following Sequential Exposure to Manganese and MPTP During Development and Aging. <i>Toxicological Sciences</i> , 2020 , 177, 506-520	4.4	13
22	Immune Modulation as an Effective Adjunct Post-exposure Therapeutic for <i>B. pseudomallei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005065	4.8	12
21	Alpha, beta-unsaturated aldehydes mediate inducible expression of glutathione S-transferase in hepatoma cells through activation of the antioxidant response element (ARE). <i>Advances in Experimental Medicine and Biology</i> , 1999 , 463, 123-31	3.6	11
20	Experimental Zika virus infection of Jamaican fruit bats (<i>Artibeus jamaicensis</i>) and possible entry of virus into brain via activated microglial cells. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007071	4.8	10
19	The effects of genetic variation in N-acetyltransferases on 4-aminobiphenyl genotoxicity in mouse liver. <i>Chemico-Biological Interactions</i> , 2003 , 146, 51-60	5	10

18	The atrazine metabolite diaminochlorotriazine suppresses LH release from murine L α 2 cells by suppressing GnRH-induced intracellular calcium transients. <i>Toxicology Research</i> , 2013 , 2, 180-186	2.6	9
17	Detection of nitric oxide formation in primary neural cells and tissues. <i>Methods in Molecular Biology</i> , 2011 , 758, 267-77	1.4	9
16	Regional variation in the activation threshold for 1,3-DNB-induced mitochondrial permeability transition in brainstem and cortical astrocytes. <i>NeuroToxicology</i> , 2003 , 24, 391-401	4.4	9
15	Dopaminergic neurotoxicants cause biphasic inhibition of purinergic calcium signaling in astrocytes. <i>PLoS ONE</i> , 2014 , 9, e110996	3.7	9
14	Nuclear receptor 4A2 (NR4A2) is a druggable target for glioblastomas. <i>Journal of Neuro-Oncology</i> , 2020 , 146, 25-39	4.8	9
13	Structure-dependent activation of gene expression by bis-indole and quinoline-derived activators of nuclear receptor 4A2. <i>Chemical Biology and Drug Design</i> , 2019 , 94, 1711-1720	2.9	7
12	Astrocyte inflammatory signaling mediates β synuclein aggregation and dopaminergic neuronal loss following viral encephalitis. <i>Experimental Neurology</i> , 2021 , 346, 113845	5.7	6
11	Spontaneous Development of Cutaneous Squamous Cell Carcinoma in Mice with Cell-specific Deletion of Inhibitor of β Kinase 2. <i>Comparative Medicine</i> , 2017 , 67, 407-415	1.6	4
10	Can We Panelize Seizure?. <i>Toxicological Sciences</i> , 2021 , 179, 3-13	4.4	4
9	A novel diindolylmethane analog, 1,1-bis(3-Indolyl)-1-(p-chlorophenyl) methane, inhibits the tumor necrosis factor-induced inflammatory response in primary murine synovial fibroblasts through a Nurr1-dependent mechanism. <i>Molecular Immunology</i> , 2018 , 101, 46-54	4.3	3
8	Manganese exposure in juvenile C57BL/6 mice increases glial inflammatory responses in the substantia nigra following infection with H1N1 influenza virus. <i>PLoS ONE</i> , 2021 , 16, e0245171	3.7	3
7	A potent SARS-CoV-2 neutralizing human monoclonal antibody that reduces viral burden and disease severity in Syrian hamsters 2020 ,		2
6	A novel glucocorticoid and androgen receptor modulator reduces viral entry and innate immune inflammatory responses in the Syrian Hamster model of SARS-CoV-2		1
5	A Novel Glucocorticoid and Androgen Receptor Modulator Reduces Viral Entry and Innate Immune Inflammatory Responses in the Syrian Hamster Model of SARS-CoV-2 Infection.. <i>Frontiers in Immunology</i> , 2022 , 13, 811430	8.4	1
4	Rotenone induces regionally distinct β synuclein protein aggregation and activation of glia prior to loss of dopaminergic neurons in C57Bl/6 mice.. <i>Neurobiology of Disease</i> , 2022 , 105685	7.5	1
3	Removal of Trace Elements by Cupric Oxide Nanoparticles from Uranium In Situ Recovery Bleed Water and Its Effect on Cell Viability. <i>Journal of Visualized Experiments</i> , 2015 , e52715	1.6	
2	Chapter 12:Manganese and Neuroinflammation. <i>Issues in Toxicology</i> , 2014 , 297-321	0.3	
1	A Low-Cost, Autonomous Gait Detection and Estimation System for Analyzing Gait Impairments in Mice. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 9937904	3.7	

