

Tomas R Guilarte

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4969917/tomas-r-guilarte-publications-by-year.pdf>

Version: 2024-04-28

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.

52
papers

4,298
citations

30
h-index

54
g-index

54
ext. papers

4,737
ext. citations

6
avg, IF

5.89
L-index

#	Paper	IF	Citations
52	Imaging neuroinflammation with TSPO: A new perspective on the cellular sources and subcellular localization. <i>Pharmacology & Therapeutics</i> , 2021 , 108048	13.9	1
51	Clinical Utility of Functional Precision Medicine in the Management of Recurrent/Relapsed Childhood Rhabdomyosarcoma. <i>JCO Precision Oncology</i> , 2021 , 5,	3.6	0
50	Surface translocator protein 18kDa (TSPO) localization on immune cells upon stimulation with LPS and in ART-treated HIV subjects. <i>Journal of Leukocyte Biology</i> , 2021 , 110, 123-140	6.5	1
49	Chronic developmental lead exposure increases Ebpiate receptor levels in the adolescent rat brain. <i>NeuroToxicology</i> , 2021 , 82, 119-129	4.4	1
48	The Translocator Protein () Genetic Polymorphism A147T Is Associated with Worse Survival in Male Glioblastoma Patients. <i>Cancers</i> , 2021 , 13,	6.6	1
47	Behavioral and neurochemical studies of inherited manganese-induced dystonia-parkinsonism in Slc39a14-knockout mice. <i>Neurobiology of Disease</i> , 2021 , 158, 105467	7.5	0
46	Beyond the looking glass: recent advances in understanding the impact of environmental exposures on neuropsychiatric disease. <i>Neuropsychopharmacology</i> , 2020 , 45, 1086-1096	8.7	27
45	Awake delta and theta-rhythmic hippocampal network modes during intermittent locomotor behaviors in the rat. <i>Behavioral Neuroscience</i> , 2020 , 134, 529-546	2.1	11
44	A Novel Interaction of Translocator Protein 18kDa (TSPO) with NADPH Oxidase in Microglia. <i>Molecular Neurobiology</i> , 2020 , 57, 4467-4487	6.2	11
43	PET imaging of dopamine release in the frontal cortex of manganese-exposed non-human primates. <i>Journal of Neurochemistry</i> , 2019 , 150, 188-201	6	6
42	TSPO in diverse CNS pathologies and psychiatric disease: A critical review and a way forward. <i>Pharmacology & Therapeutics</i> , 2019 , 194, 44-58	13.9	84
41	Residential Lead-Hazard Interventions, Childhood Anxiety, and Cognitive Impairment. <i>JAMA Pediatrics</i> , 2019 , 173, 198-199	8.3	1
40	Letter to the Editor: Regarding Foster et al., Neonatal C57BL/6J and parkin mice respond differently following developmental manganese exposure: Result of a high dose pilot study. <i>NeuroToxicology</i> , 2018 , 69, 187	4.4	
39	From the Cover: 7,8-Dihydroxyflavone Rescues Lead-Induced Impairment of Vesicular Release: A Novel Therapeutic Approach for Lead Intoxicated Children. <i>Toxicological Sciences</i> , 2018 , 161, 186-195	4.4	3
38	Imaging of Glial Cell Activation and White Matter Integrity in Brains of Active and Recently Retired National Football League Players. <i>JAMA Neurology</i> , 2017 , 74, 67-74	17.2	101
37	Sex and genetic differences in the effects of acute diesel exhaust exposure on inflammation and oxidative stress in mouse brain. <i>Toxicology</i> , 2016 , 374, 1-9	4.4	78
36	TSPO in a murine model of Sandhoff disease: presymptomatic marker of neurodegeneration and disease pathophysiology. <i>Neurobiology of Disease</i> , 2016 , 85, 174-186	7.5	12

35	Chronic early life lead (Pb) exposure alters presynaptic vesicle pools in hippocampal synapses. <i>BMC Pharmacology & Toxicology</i> , 2016 , 17, 56	2.6	4
34	TSPO Finds NOX2 in Microglia for Redox Homeostasis. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 334-343	3.4	45
33	Manganese-Induced Parkinsonism Is Not Idiopathic Parkinson's Disease: Environmental and Genetic Evidence. <i>Toxicological Sciences</i> , 2015 , 146, 204-12	4.4	66
32	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. <i>Neurobiology of Disease</i> , 2015 , 74, 58-65	7.5	160
31	Presynaptic mechanisms of lead neurotoxicity: effects on vesicular release, vesicle clustering and mitochondria number. <i>PLoS ONE</i> , 2015 , 10, e0127461	3.7	19
30	Novel BAC Mouse Model of Huntington's Disease with 225 CAG Repeats Exhibits an Early Widespread and Stable Degenerative Phenotype. <i>Journal of Huntington's Disease</i> , 2015 , 4, 17-36	1.9	8
29	Mechanisms of lead and manganese neurotoxicity. <i>Toxicology Research</i> , 2013 , 2, 99-114	2.6	109
28	Manganese exposure induces Eynuclein aggregation in the frontal cortex of non-human primates. <i>Toxicology Letters</i> , 2013 , 217, 177-83	4.4	49
27	Manganese neurotoxicity: new perspectives from behavioral, neuroimaging, and neuropathological studies in humans and non-human primates. <i>Frontiers in Aging Neuroscience</i> , 2013 , 5, 23	5.3	121
26	Is lead exposure in early life an environmental risk factor for Schizophrenia? Neurobiological connections and testable hypotheses. <i>NeuroToxicology</i> , 2012 , 33, 560-74	4.4	68
25	Dysregulation of BDNF-TrkB signaling in developing hippocampal neurons by Pb(2+): implications for an environmental basis of neurodevelopmental disorders. <i>Toxicological Sciences</i> , 2012 , 127, 277-95	4.4	69
24	Manganese and Parkinson's disease: a critical review and new findings. <i>Ciencia E Saude Coletiva</i> , 2011 , 16, 4549-66	2.2	24
23	Translocator protein (18 kDa)/peripheral benzodiazepine receptor specific ligands induce microglia functions consistent with an activated state. <i>Glia</i> , 2011 , 59, 219-30	9	86
22	Manganese and Parkinson's disease: a critical review and new findings. <i>Environmental Health Perspectives</i> , 2010 , 118, 1071-80	8.4	243
21	APLP1, Alzheimer's-like pathology and neurodegeneration in the frontal cortex of manganese-exposed non-human primates. <i>NeuroToxicology</i> , 2010 , 31, 572-4	4.4	63
20	Increased APLP1 expression and neurodegeneration in the frontal cortex of manganese-exposed non-human primates. <i>Journal of Neurochemistry</i> , 2008 , 105, 1948-59	6	96
19	Impairment of nigrostriatal dopamine neurotransmission by manganese is mediated by pre-synaptic mechanism(s): implications to manganese-induced parkinsonism. <i>Journal of Neurochemistry</i> , 2008 , 107, 1236-47	6	121
18	Translocator protein 18 kDa (TSPO): molecular sensor of brain injury and repair 2008 , 118, 1-17		377

17	Dysregulation of glutamate carboxypeptidase II in psychiatric disease. <i>Schizophrenia Research</i> , 2008 , 99, 324-32	3.6	35
16	Manganese inhibits NMDA receptor channel function: implications to psychiatric and cognitive effects. <i>NeuroToxicology</i> , 2007 , 28, 1147-52	4.4	61
15	Effects of chronic manganese exposure on cognitive and motor functioning in non-human primates. <i>Brain Research</i> , 2006 , 1118, 222-31	3.7	80
14	Imaging the peripheral benzodiazepine receptor response in central nervous system demyelination and remyelination. <i>Toxicological Sciences</i> , 2006 , 91, 532-9	4.4	55
13	Evidence for cortical dysfunction and widespread manganese accumulation in the nonhuman primate brain following chronic manganese exposure: a 1H-MRS and MRI study. <i>Toxicological Sciences</i> , 2006 , 94, 351-8	4.4	93
12	An extended simplified reference tissue model for the quantification of dynamic PET with amphetamine challenge. <i>NeuroImage</i> , 2006 , 33, 550-63	7.9	37
11	Nigrostriatal dopamine system dysfunction and subtle motor deficits in manganese-exposed non-human primates. <i>Experimental Neurology</i> , 2006 , 202, 381-90	5.7	150
10	Translocator protein (18kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 402-9	13.2	1097
9	Glutamate carboxypeptidase II levels in rodent brain using [125I]DCIT quantitative autoradiography. <i>Neuroscience Letters</i> , 2005 , 387, 141-4	3.3	23
8	In Vivo Imaging of Peripheral Benzodiazepine Receptors in Mouse Lungs: A Biomarker of Inflammation. <i>Molecular Imaging</i> , 2005 , 4, 7290.2005.05133	3.7	26
7	A generalized reference tissue model for quantification of dynamic PET with bolus plus continuous infusion tracer administration and pharmacological challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S645-S645	7.3	
6	Peripheral benzodiazepine receptor imaging in CNS demyelination: functional implications of anatomical and cellular localization. <i>Brain</i> , 2004 , 127, 1379-92	11.2	119
5	Environmental enrichment reverses cognitive and molecular deficits induced by developmental lead exposure. <i>Annals of Neurology</i> , 2003 , 53, 50-6	9.4	166
4	Selective decrease in NR1 subunit splice variant mRNA in the hippocampus of Pb ²⁺ -exposed rats: implications for synaptic targeting and cell surface expression of NMDAR complexes. <i>Molecular Brain Research</i> , 2003 , 113, 37-43		64
3	Cellular and subcellular localization of peripheral benzodiazepine receptors after trimethyltin neurotoxicity. <i>Journal of Neurochemistry</i> , 2000 , 74, 1694-704	6	174
2	The peripheral benzodiazepine receptor is a sensitive indicator of domoic acid neurotoxicity. <i>Brain Research</i> , 1997 , 751, 281-8	3.7	50
1	Race as a moderator of the association between ethnicity, preeclampsia and neonatal respiratory distress syndrome. <i>World Journal of Pediatrics</i> ,	4.6	