

Ricardo Torres-Jardn

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.

57
papers

4,643
citations

31
h-index

59
g-index

59
ext. papers

5,490
ext. citations

4.8
avg, IF

5.04
L-index

#	Paper	IF	Citations
57	Long-term air pollution exposure is associated with neuroinflammation, an altered innate immune response, disruption of the blood-brain barrier, ultrafine particulate deposition, and accumulation of amyloid beta-42 and alpha-synuclein in children and young adults. <i>Toxicologic Pathology</i> , 2008 , 36, 289-310	2.1	566
56	Magnetite pollution nanoparticles in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10797-801	11.5	516
55	Brain inflammation and Alzheimer's-like pathology in individuals exposed to severe air pollution. <i>Toxicologic Pathology</i> , 2004 , 32, 650-8	2.1	376
54	Air pollution, cognitive deficits and brain abnormalities: a pilot study with children and dogs. <i>Brain and Cognition</i> , 2008 , 68, 117-27	2.7	348
53	DNA damage in nasal and brain tissues of canines exposed to air pollutants is associated with evidence of chronic brain inflammation and neurodegeneration. <i>Toxicologic Pathology</i> , 2003 , 31, 524-38	2.1	229
52	Urban air pollution: influences on olfactory function and pathology in exposed children and young adults. <i>Experimental and Toxicologic Pathology</i> , 2010 , 62, 91-102		216
51	Neuroinflammation, hyperphosphorylated tau, diffuse amyloid plaques, and down-regulation of the cellular prion protein in air pollution exposed children and young adults. <i>Journal of Alzheimers Disease</i> , 2012 , 28, 93-107	4.3	193
50	Exposure to severe urban air pollution influences cognitive outcomes, brain volume and systemic inflammation in clinically healthy children. <i>Brain and Cognition</i> , 2011 , 77, 345-55	2.7	188
49	Pediatric respiratory and systemic effects of chronic air pollution exposure: nose, lung, heart, and brain pathology. <i>Toxicologic Pathology</i> , 2007 , 35, 154-62	2.1	126
48	Elevated plasma endothelin-1 and pulmonary arterial pressure in children exposed to air pollution. <i>Environmental Health Perspectives</i> , 2007 , 115, 1248-53	8.4	122
47	Prefrontal white matter pathology in air pollution exposed Mexico City young urbanites and their potential impact on neurovascular unit dysfunction and the development of Alzheimer's disease. <i>Environmental Research</i> , 2016 , 146, 404-17	7.9	105
46	Air pollution and your brain: what do you need to know right now. <i>Primary Health Care Research and Development</i> , 2015 , 16, 329-45	1.6	98
45	The impact of environmental metals in young urbanites' brains. <i>Experimental and Toxicologic Pathology</i> , 2013 , 65, 503-11		92
44	Air pollution and children: neural and tight junction antibodies and combustion metals, the role of barrier breakdown and brain immunity in neurodegeneration. <i>Journal of Alzheimers Disease</i> , 2015 , 43, 1039-58	4.3	86
43	Early Alzheimer's and Parkinson's disease pathology in urban children: Friend versus Foe responses--it is time to face the evidence. <i>BioMed Research International</i> , 2013 , 2013, 161687	3	79
42	Immunotoxicity and environment: immunodysregulation and systemic inflammation in children. <i>Toxicologic Pathology</i> , 2009 , 37, 161-9	2.1	78
41	White matter hyperintensities, systemic inflammation, brain growth, and cognitive functions in children exposed to air pollution. <i>Journal of Alzheimers Disease</i> , 2012 , 31, 183-91	4.3	75

40	Megacities air pollution problems: Mexico City Metropolitan Area critical issues on the central nervous system pediatric impact. <i>Environmental Research</i> , 2015 , 137, 157-69	7.9	74
39	Combustion-Derived Nanoparticles in Key Brain Target Cells and Organelles in Young Urbanites: Culprit Hidden in Plain Sight in Alzheimer's Disease Development. <i>Journal of Alzheimerts Disease</i> , 2017 , 59, 189-208	4.3	68
38	Combustion- and friction-derived magnetic air pollution nanoparticles in human hearts. <i>Environmental Research</i> , 2019 , 176, 108567	7.9	66
37	Hallmarks of Alzheimer disease are evolving relentlessly in Metropolitan Mexico City infants, children and young adults. APOE4 carriers have higher suicide risk and higher odds of reaching NFT stage V at 40 years of age. <i>Environmental Research</i> , 2018 , 164, 475-487	7.9	64
36	Decreases in Short Term Memory, IQ, and Altered Brain Metabolic Ratios in Urban Apolipoprotein 4 Children Exposed to Air Pollution. <i>Journal of Alzheimerts Disease</i> , 2015 , 45, 757-70	4.3	61
35	Air pollution is associated with brainstem auditory nuclei pathology and delayed brainstem auditory evoked potentials. <i>International Journal of Developmental Neuroscience</i> , 2011 , 29, 365-75	2.7	60
34	Mexico City normal weight children exposed to high concentrations of ambient PM2.5 show high blood leptin and endothelin-1, vitamin D deficiency, and food reward hormone dysregulation versus low pollution controls. Relevance for obesity and Alzheimer disease. <i>Environmental Research</i> , 2015 , 140, 579-92	7.9	58
33	Cerebrospinal Fluid Biomarkers in Highly Exposed PM2.5 Urbanites: The Risk of Alzheimer's and Parkinson's Diseases in Young Mexico City Residents. <i>Journal of Alzheimerts Disease</i> , 2016 , 54, 597-613	4.3	53
32	Air pollution and detrimental effects on children's brain. The need for a multidisciplinary approach to the issue complexity and challenges. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 613	3.3	51
31	Brain immune interactions and air pollution: macrophage inhibitory factor (MIF), prion cellular protein (PrP(C)), Interleukin-6 (IL-6), interleukin 1 receptor antagonist (IL-1Ra), and interleukin-2 (IL-2) in cerebrospinal fluid and MIF in serum differentiate urban children exposed to severe vs. low pollution. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 189	5.1	48
30	Alzheimer's disease and alpha-synuclein pathology in the olfactory bulbs of infants, children, teens and adults 40 years in Metropolitan Mexico City. APOE4 carriers at higher risk of suicide accelerate their olfactory bulb pathology. <i>Environmental Research</i> , 2018 , 166, 348-362	7.9	47
29	Interactive and additive influences of Gender, BMI and Apolipoprotein 4 on cognition in children chronically exposed to high concentrations of PM2.5 and ozone. APOE 4 females are at highest risk in Mexico City. <i>Environmental Research</i> , 2016 , 150, 411-422	7.9	46
28	Urban air pollution targets the dorsal vagal complex and dark chocolate offers neuroprotection. <i>International Journal of Toxicology</i> , 2010 , 29, 604-15	2.4	35
27	A Critical Proton MR Spectroscopy Marker of Alzheimer's Disease Early Neurodegenerative Change: Low Hippocampal NAA/Cr Ratio Impacts APOE e4 Mexico City Children and Their Parents. <i>Journal of Alzheimerts Disease</i> , 2015 , 48, 1065-75	4.3	31
26	Alzheimer disease starts in childhood in polluted Metropolitan Mexico City. A major health crisis in progress. <i>Environmental Research</i> , 2020 , 183, 109137	7.9	30
25	Air Pollution, Socioeconomic Status, and Children's Cognition in Megacities: The Mexico City Scenario. <i>Frontiers in Psychology</i> , 2012 , 3, 217	3.4	29
24	Urban air pollution produces up-regulation of myocardial inflammatory genes and dark chocolate provides cardioprotection. <i>Experimental and Toxicologic Pathology</i> , 2012 , 64, 297-306		28
23	Exposure to urban air pollution and bone health in clinically healthy six-year-old children. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2013 , 64, 23-34	1.7	27

22	Flavonol-rich dark cocoa significantly decreases plasma endothelin-1 and improves cognition in urban children. <i>Frontiers in Pharmacology</i> , 2013 , 4, 104	5.6	23
21	Air Pollution Levels and Trends in the Mexico City Metropolitan Area. <i>Ecological Studies</i> , 2002 , 121-159	1.1	21
20	Effects of a cyclooxygenase-2 preferential inhibitor in young healthy dogs exposed to air pollution: a pilot study. <i>Toxicologic Pathology</i> , 2009 , 37, 644-60	2.1	20
19	Quadruple abnormal protein aggregates in brainstem pathology and exogenous metal-rich magnetic nanoparticles (and engineered Ti-rich nanorods). The substantia nigrae is a very early target in young urbanites and the gastrointestinal tract a key brainstem portal. <i>Environmental Research</i> , 2020 , 191, 110139	7.9	20
18	Measurements of formaldehyde at the U.S.-Mexico border during the Cal-Mex 2010 air quality study. <i>Atmospheric Environment</i> , 2013 , 70, 513-520	5.3	19
17	Assessment of the ozone-nitrogen oxide-volatile organic compound sensitivity of Mexico City through an indicator-based approach: measurements and numerical simulations comparison. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 1155-72	2.4	19
16	Air Pollution, Combustion and Friction Derived Nanoparticles, and Alzheimer's Disease in Urban Children and Young Adults. <i>Journal of Alzheimers Disease</i> , 2019 , 70, 343-360	4.3	16
15	Intra-city Differences in Cardiac Expression of Inflammatory Genes and Inflammasomes in Young Urbanites: A Pilot Study. <i>Journal of Toxicologic Pathology</i> , 2012 , 25, 163-73	1.4	16
14	Mild Cognitive Impairment and Dementia Involving Multiple Cognitive Domains in Mexican Urbanites. <i>Journal of Alzheimers Disease</i> , 2019 , 68, 1113-1123	4.3	16
13	Environmental Nanoparticles, SARS-CoV-2 Brain Involvement, and Potential Acceleration of Alzheimer's and Parkinson's Diseases in Young Urbanites Exposed to Air Pollution. <i>Journal of Alzheimers Disease</i> , 2020 , 78, 479-503	4.3	15
12	Ozone over Mexico City during the COVID-19 pandemic. <i>Science of the Total Environment</i> , 2021 , 761, 143183	10.2	15
11	The impact of air pollutants on the brain. <i>JAMA Psychiatry</i> , 2015 , 72, 529-30	14.5	14
10	Up-regulation of mRNA ventricular PRNP prion protein gene expression in air pollution highly exposed young urbanites: endoplasmic reticulum stress, glucose regulated protein 78, and nanosized particles. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 23471-91	6.3	11
9	Exposures to fine particulate matter (PM) and ozone above USA standards are associated with auditory brainstem dysmorphology and abnormal auditory brainstem evoked potentials in healthy young dogs. <i>Environmental Research</i> , 2017 , 158, 324-332	7.9	10
8	Gait and balance disturbances are common in young urbanites and associated with cognitive impairment. Air pollution and the historical development of Alzheimer's disease in the young. <i>Environmental Research</i> , 2020 , 191, 110087	7.9	10
7	Evaluation of ozone-nitrogen oxides-volatile organic compound sensitivity of Cincinnati, Ohio. <i>Journal of the Air and Waste Management Association</i> , 2006 , 56, 322-33	2.4	7
6	Determination of emission factors for climate forcers and air pollutants from improved wood-burning cookstoves in Mexico. <i>Energy for Sustainable Development</i> , 2019 , 50, 61-68	5.4	6
5	DNA Damage in Nasal and Brain Tissues of Canines Exposed to Air Pollutants Is Associated with Evidence of Chronic Brain Inflammation and Neurodegeneration. <i>Toxicologic Pathology</i> , 2003 , 31, 524-538 ¹	2.1	6

4	Estimation of the Impact of Ozone on Four Economically Important Crops in the City Belt of Central Mexico. <i>Atmosphere</i> , 2018 , 9, 223	2.7	4
3	Environmental Nanoparticles Reach Human Fetal Brains.. <i>Biomedicines</i> , 2022 , 10,	4.8	2
2	A comparison between CalMex in Tijuana and Cal-Nex in Pasadena on aerosol optical properties, ozone and reactive nitrogen. <i>Urban Climate</i> , 2014 , 10, 782-800	6.8	1
1	Metals, Nanoparticles, Particulate Matter, and Cognitive Decline.. <i>Frontiers in Neurology</i> , 2021 , 12, 794074	4.1	0