

# Lucio G Costa

## 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.

87  
papers

5,354  
citations

36  
h-index

73  
g-index

95  
ext. papers

6,150  
ext. citations

4.7  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
87	Current issues in organophosphate toxicology. <i>Clinica Chimica Acta</i> , <b>2006</b> , 366, 1-13	6.2	504
86	Developmental neurotoxicity of polybrominated diphenyl ether (PBDE) flame retardants. <i>NeuroToxicology</i> , <b>2007</b> , 28, 1047-67	4.4	451
85	Review of the toxicology of chlorpyrifos with an emphasis on human exposure and neurodevelopment. <i>Critical Reviews in Toxicology</i> , <b>2008</b> , 38 Suppl 2, 1-125	5.7	411
84	Modulation of paraoxonase (PON1) activity. <i>Biochemical Pharmacology</i> , <b>2005</b> , 69, 541-50	6	359
83	Developmental neuropathology of environmental agents. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2004</b> , 44, 87-110	17.9	245
82	Polybrominated diphenyl ethers: neurobehavioral effects following developmental exposure. <i>NeuroToxicology</i> , <b>2003</b> , 24, 449-62	4.4	208
81	Neurotoxicity of pesticides: a brief review. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 1240-9	2.8	203
80	Mechanisms of Neuroprotection by Quercetin: Counteracting Oxidative Stress and More. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 2986796	6.7	198
79	Neurotoxicity of traffic-related air pollution. <i>NeuroToxicology</i> , <b>2017</b> , 59, 133-139	4.4	192
78	A mechanistic view of polybrominated diphenyl ether (PBDE) developmental neurotoxicity. <i>Toxicology Letters</i> , <b>2014</b> , 230, 282-94	4.4	170
77	Measurement of paraoxonase (PON1) status as a potential biomarker of susceptibility to organophosphate toxicity. <i>Clinica Chimica Acta</i> , <b>2005</b> , 352, 37-47	6.2	167
76	Pharmacological and dietary modulators of paraoxonase 1 (PON1) activity and expression: the hunt goes on. <i>Biochemical Pharmacology</i> , <b>2011</b> , 81, 337-44	6	144
75	Neurotoxicants are in the air: convergence of human, animal, and in vitro studies on the effects of air pollution on the brain. <i>BioMed Research International</i> , <b>2014</b> , 2014, 736385	3	111
74	Paraoxonases-1, -2 and -3: What are their functions?. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 259, 51-62	5	108
73	Differential in vitro neurotoxicity of the flame retardant PBDE-99 and of the PCB Aroclor 1254 in human astrocytoma cells. <i>Toxicology Letters</i> , <b>2004</b> , 154, 11-21	4.4	102
72	Expression of human paraoxonase (PON1) during development. <i>Pharmacogenetics and Genomics</i> , <b>2003</b> , 13, 357-64		96
71	Organophosphorus Compounds at 80: Some Old and New Issues. <i>Toxicological Sciences</i> , <b>2018</b> , 162, 24-35	4.4	94

70	Paraoxonase 1 (PON1) as a genetic determinant of susceptibility to organophosphate toxicity. <i>Toxicology</i> , <b>2013</b> , 307, 115-22	4.4	94
69	Is decabromodiphenyl ether (BDE-209) a developmental neurotoxicant?. <i>NeuroToxicology</i> , <b>2011</b> , 32, 9-24	4.4	90
68	Domoic acid as a developmental neurotoxin. <i>NeuroToxicology</i> , <b>2010</b> , 31, 409-23	4.4	89
67	Neurotoxicity of a polybrominated diphenyl ether mixture (DE-71) in mouse neurons and astrocytes is modulated by intracellular glutathione levels. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 232, 161-8	4.6	80
66	Sex and genetic differences in the effects of acute diesel exhaust exposure on inflammation and oxidative stress in mouse brain. <i>Toxicology</i> , <b>2016</b> , 374, 1-9	4.4	78
65	Effects of air pollution on the nervous system and its possible role in neurodevelopmental and neurodegenerative disorders. <i>Pharmacology &amp; Therapeutics</i> , <b>2020</b> , 210, 107523	13.9	77
64	The neurotoxicity of organochlorine and pyrethroid pesticides. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2015</b> , 131, 135-48	3	70
63	Comparative cytotoxicity and intracellular accumulation of five polybrominated diphenyl ether congeners in mouse cerebellar granule neurons. <i>Toxicological Sciences</i> , <b>2010</b> , 114, 124-32	4.4	68
62	Microglia mediate diesel exhaust particle-induced cerebellar neuronal toxicity through neuroinflammatory mechanisms. <i>NeuroToxicology</i> , <b>2016</b> , 56, 204-214	4.4	56
61	Effect of organophosphorus insecticides and their metabolites on astroglial cell proliferation. <i>Toxicology</i> , <b>2005</b> , 215, 182-90	4.4	54
60	Developmental neurotoxicity: some old and new issues. <i>ISRN Toxicology</i> , <b>2012</b> , 2012, 814795		53
59	Developmental Neurotoxicity of Traffic-Related Air Pollution: Focus on Autism. <i>Current Environmental Health Reports</i> , <b>2017</b> , 4, 156-165	6.5	51
58	Activation of mitogen-activated protein kinase by muscarinic receptors in astroglial cells: role in DNA synthesis and effect of ethanol. <i>Glia</i> , <b>2001</b> , 35, 111-20	9	49
57	Paraoxonase-2 (PON2) in brain and its potential role in neuroprotection. <i>NeuroToxicology</i> , <b>2014</b> , 43, 3-9	4.4	48
56	The brominated flame retardant BDE-47 causes oxidative stress and apoptotic cell death in vitro and in vivo in mice. <i>NeuroToxicology</i> , <b>2015</b> , 48, 68-76	4.4	46
55	An in vitro approach to assess the toxicity of certain food contaminants: methylmercury and polychlorinated biphenyls. <i>Toxicology</i> , <b>2007</b> , 237, 65-76	4.4	45
54	Behavioral Phenotyping for Autism Spectrum Disorders in Mice. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2017</b> , 72, 11.22.1-11.22.21	1	41
53	Modulation of paraoxonase 2 (PON2) in mouse brain by the polyphenol quercetin: a mechanism of neuroprotection?. <i>Neurochemical Research</i> , <b>2013</b> , 38, 1809-18	4.6	41

52	Contaminants in fish: risk-benefit considerations. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , <b>2007</b> , 58, 367-74	1.7	40
51	Acute exposure to diesel exhaust impairs adult neurogenesis in mice: prominence in males and protective effect of pioglitazone. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 1815-1829	5.8	30
50	Astrocytes protect against diazinon- and diazoxon-induced inhibition of neurite outgrowth by regulating neuronal glutathione. <i>Toxicology</i> , <b>2014</b> , 318, 59-68	4.4	29
49	Diazinon and diazoxon impair the ability of astrocytes to foster neurite outgrowth in primary hippocampal neurons. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 274, 372-82	4.6	29
48	Inorganic lead stimulates DNA synthesis in human astrocytoma cells: role of protein kinase Calpha. <i>Journal of Neurochemistry</i> , <b>2001</b> , 78, 590-9	6	29
47	Developmental impact of air pollution on brain function. <i>Neurochemistry International</i> , <b>2019</b> , 131, 104580	4.4	28
46	Prenatal and early-life diesel exhaust exposure causes autism-like behavioral changes in mice. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 18	8.4	27
45	Modulation of DNA synthesis by muscarinic cholinergic receptors. <i>Growth Factors</i> , <b>2001</b> , 18, 227-36	1.6	24
44	Paraoxonase-1 and Early-Life Environmental Exposures. <i>Annals of Global Health</i> , <b>2016</b> , 82, 100-10	3.3	23
43	Effect of ethanol on muscarinic receptor-induced calcium responses in astroglia. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 60, 345-55	4.4	21
42	Co-Culture of Neurons and Microglia. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , <b>2017</b> , 74, 11.24.1-11.24.17	1	20
41	Long-term effects of developmental exposure to low doses of PCB 126 and methylmercury. <i>Toxicology Letters</i> , <b>2010</b> , 197, 38-45	4.4	19
40	Role of glutamate receptors in tetrabrominated diphenyl ether (BDE-47) neurotoxicity in mouse cerebellar granule neurons. <i>Toxicology Letters</i> , <b>2016</b> , 241, 159-66	4.4	18
39	Neurobehavioral assessment of mice following repeated oral exposures to domoic acid during prenatal development. <i>Neurotoxicology and Teratology</i> , <b>2017</b> , 64, 8-19	3.9	17
38	Muscarinic receptor-induced calcium responses in astroglia. <i>Cytometry</i> , <b>2000</b> , 41, 123-132		17
37	Prenatal and early life diesel exhaust exposure disrupts cortical lamina organization: Evidence for a reelin-related pathogenic pathway induced by interleukin-6. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 78, 105-115	16.6	15
36	Developmental expression of paraoxonase 2. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 259, 168-174	5	15
35	Prenatal Ethanol Exposure Up-Regulates the Cholesterol Transporters ATP-Binding Cassette A1 and G1 and Reduces Cholesterol Levels in the Developing Rat Brain. <i>Alcohol and Alcoholism</i> , <b>2014</b> , 49, 626-34	3.5	10

34	Neurotoxicity Testing: A Discussion of in Vitro Alternatives. <i>Environmental Health Perspectives</i> , <b>1998</b> , 106, 505	8.4	10
33	Metals and Paraoxonases. <i>Advances in Neurobiology</i> , <b>2017</b> , 18, 85-111	2.1	10
32	Overview of Neurotoxicology. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2017</b> , 74, 11.1.1-11.1.11	1	6
31	In vitro neurotoxicology: an introduction. <i>Methods in Molecular Biology</i> , <b>2011</b> , 758, 1-9	1.4	6
30	Developmental exposure to diesel exhaust upregulates transcription factor expression, decreases hippocampal neurogenesis, and alters cortical lamina organization: relevance to neurodevelopmental disorders. <i>Journal of Neurodevelopmental Disorders</i> , <b>2020</b> , 12, 41	4.6	4
29	Genetic Variation, Diet, and Disease Susceptibility <b>2006</b> , 321-350		3
28	Ecogenetics: Historical Perspectives <b>2006</b> , 7-16		2
27	Paraoxonase 1: Structure, Function, and Polymorphisms <b>2011</b> , 85-95		1
26	Risk Assessment and the Impact of Ecogenetics <b>2006</b> , 427-450		1
25	Tools of Ecogenetics <b>2006</b> , 17-49		1
24	Social and Psychological Aspects of Ecogenetics <b>2006</b> , 397-409		1
23	Genetic Determinants of Addiction to Alcohol, Tobacco, and Drugs of Abuse <b>2006</b> , 351-373		1
22	Evaluating Gait and Locomotion in Rodents with the CatWalk. <i>Current Protocols</i> , <b>2021</b> , 1, e220		1
21	Paraoxonase 2 deficiency in mice alters motor behavior and causes region-specific transcript changes in the brain. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 87, 107010	3.9	1
20	The birth and early years of INA, the International Neurotoxicology Association. <i>NeuroToxicology</i> , <b>2013</b> , 36, 89-103	4.4	0
19	Paraoxonase-1 (PON1) Status Analysis Using Non-Organophosphate Substrates. <i>Current Protocols</i> , <b>2021</b> , 1, e25		0
18	Developmental Exposure to Metals and its Contribution to Age-Related Neurodegeneration <b>2017</b> , 217-229		
17	Paraoxonase 1 (PON1) Status in Risk Assessment for Organophosphate Exposure and Pharmacokinetics. <i>ACS Symposium Series</i> , <b>2012</b> , 133-147	0.4	

- 16 DNA Repair Enzymes **2006**, 179-196
- 15 Paraoxonase, Butyrylcholinesterase, and Epoxide Hydrolase **2006**, 159-177
- 14 Neurodegenerative Diseases **2006**, 253-269
- 13 Epidemiologic Approaches **2006**, 51-71
- 12 Receptors and Ion Channels **2006**, 197-210
- 11 Overview of Section II **2006**, 89-93
- 10 Overview of Section IV **2006**, 375-379
- 9 Ethical Issues in Ecogenetics **2006**, 381-395
- 8 Overview of Section III **2006**, 211-214
- 7 Statistical Issues in Ecogenetic Studies **2006**, 73-88
- 6 Type 2 Diabetes **2006**, 285-301
- 5 Polymorphisms in Xenobiotic Conjugation **2006**, 127-158
- 4 Gastrointestinal Cancers **2006**, 239-252
- 3 Infectious Disease Ecogenetics **2006**, 303-319
- 2 Paraoxonase 2 (PON2) polymorphisms and Parkinson's disease. *Neuroscience Research Communications*, **2004**, 34, 130-135
- 1 Polymorphisms in Cytochrome P450 and Flavin-Containing Monooxygenase Genes **2004**, 95-126