Lucio G Costa

List of Publications by Year in Descending Order

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	Paraoxonase-1 (PON1) Status Analysis Using Non-Organophosphate Substrates. *Current Protocols*, **2021**, 1, e25		0
86	Evaluating Gait and Locomotion in Rodents with the CatWalk. *Current Protocols*, **2021**, 1, e220		1
85	Paraoxonase 2 deficiency in mice alters motor behavior and causes region-specific transcript changes in the brain. *Neurotoxicology and Teratology*, **2021**, 87, 107010	3.9	1
84	Effects of air pollution on the nervous system and its possible role in neurodevelopmental and neurodegenerative disorders. *Pharmacology & Therapeutics*, **2020**, 210, 107523	13.9	77
83	Developmental exposure to diesel exhaust upregulates transcription factor expression, decreases hippocampal neurogenesis, and alters cortical lamina organization: relevance to neurodevelopmental disorders. *Journal of Neurodevelopmental Disorders*, **2020**, 12, 41	4.6	4
82	Prenatal and early life diesel exhaust exposure disrupts cortical lamina organization: Evidence for a reelin-related pathogenic pathway induced by interleukin-6. *Brain, Behavior, and Immunity*, **2019**, 78, 105-115	16.6	15
81	Developmental impact of air pollution on brain function. *Neurochemistry International*, **2019**, 131, 104580	4.4	28
80	Organophosphorus Compounds at 80: Some Old and New Issues. *Toxicological Sciences*, **2018**, 162, 24-35	4.4	94
79	Prenatal and early-life diesel exhaust exposure causes autism-like behavioral changes in mice. *Particle and Fibre Toxicology*, **2018**, 15, 18	8.4	27
78	Acute exposure to diesel exhaust impairs adult neurogenesis in mice: prominence in males and protective effect of pioglitazone. *Archives of Toxicology*, **2018**, 92, 1815-1829	5.8	30
77	Neurotoxicity of traffic-related air pollution. *NeuroToxicology*, **2017**, 59, 133-139	4.4	192
76	Developmental Neurotoxicity of Traffic-Related Air Pollution: Focus on Autism. *Current Environmental Health Reports*, **2017**, 4, 156-165	6.5	51
75	Behavioral Phenotyping for Autism Spectrum Disorders in Mice. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2017**, 72, 11.22.1-11.22.21	1	41
74	Developmental Exposure to Metals and its Contribution to Age-Related Neurodegeneration **2017**, 217-229		
73	Neurobehavioral assessment of mice following repeated oral exposures to domoic acid during prenatal development. *Neurotoxicology and Teratology*, **2017**, 64, 8-19	3.9	17
72	Co-Culture of Neurons and Microglia. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2017**, 74, 11.24.1-11.24.17	1	20
71	Overview of Neurotoxicology. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2017**, 74, 11.1.1-11.1.11	1	6

70	Metals and Paraoxonases. *Advances in Neurobiology*, **2017**, 18, 85-111	2.1	10
69	Paraoxonase-1 and Early-Life Environmental Exposures. *Annals of Global Health*, **2016**, 82, 100-10	3.3	23
68	Microglia mediate diesel exhaust particle-induced cerebellar neuronal toxicity through neuroinflammatory mechanisms. *NeuroToxicology*, **2016**, 56, 204-214	4.4	56
67	Sex and genetic differences in the effects of acute diesel exhaust exposure on inflammation and oxidative stress in mouse brain. *Toxicology*, **2016**, 374, 1-9	4.4	78
66	Paraoxonases-1, -2 and -3: What are their functions?. *Chemico-Biological Interactions*, **2016**, 259, 51-62	5	108
65	Role of glutamate receptors in tetrabrominated diphenyl ether (BDE-47) neurotoxicity in mouse cerebellar granule neurons. *Toxicology Letters*, **2016**, 241, 159-66	4.4	18
64	Mechanisms of Neuroprotection by Quercetin: Counteracting Oxidative Stress and More. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 2986796	6.7	198
63	Developmental expression of paraoxonase 2. *Chemico-Biological Interactions*, **2016**, 259, 168-174	5	15
62	The brominated flame retardant BDE-47 causes oxidative stress and apoptotic cell death in vitro and in vivo in mice. *NeuroToxicology*, **2015**, 48, 68-76	4.4	46
61	The neurotoxicity of organochlorine and pyrethroid pesticides. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2015**, 131, 135-48	3	70
60	Paraoxonase-2 (PON2) in brain and its potential role in neuroprotection. *NeuroToxicology*, **2014**, 43, 3-9	4.4	48
59	A mechanistic view of polybrominated diphenyl ether (PBDE) developmental neurotoxicity. *Toxicology Letters*, **2014**, 230, 282-94	4.4	170
58	Neurotoxicants are in the air: convergence of human, animal, and in vitro studies on the effects of air pollution on the brain. *BioMed Research International*, **2014**, 2014, 736385	3	111
57	Prenatal Ethanol Exposure Up-Regulates the Cholesterol Transporters ATP-Binding Cassette A1 and G1 and Reduces Cholesterol Levels in the Developing Rat Brain. *Alcohol and Alcoholism*, **2014**, 49, 626-34	3.5	10
56	Astrocytes protect against diazinon- and diazoxon-induced inhibition of neurite outgrowth by regulating neuronal glutathione. *Toxicology*, **2014**, 318, 59-68	4.4	29
55	Diazinon and diazoxon impair the ability of astrocytes to foster neurite outgrowth in primary hippocampal neurons. *Toxicology and Applied Pharmacology*, **2014**, 274, 372-82	4.6	29
54	The birth and early years of INA, the International Neurotoxicology Association. *NeuroToxicology*, **2013**, 36, 89-103	4.4	0
53	Paraoxonase 1 (PON1) as a genetic determinant of susceptibility to organophosphate toxicity. *Toxicology*, **2013**, 307, 115-22	4.4	94

52	Modulation of paraoxonase 2 (PON2) in mouse brain by the polyphenol quercetin: a mechanism of neuroprotection?. *Neurochemical Research*, **2013**, 38, 1809-18	4.6	41
51	Paraoxonase 1 (PON1) Status in Risk Assessment for Organophosphate Exposure and Pharmacokinetics. *ACS Symposium Series*, **2012**, 133-147	0.4	
50	Developmental neurotoxicity: some old and new issues. *ISRN Toxicology*, **2012**, 2012, 814795		53
49	Is decabromodiphenyl ether (BDE-209) a developmental neurotoxicant?. *NeuroToxicology*, **2011**, 32, 9-24	4.4	90
48	Pharmacological and dietary modulators of paraoxonase 1 (PON1) activity and expression: the hunt goes on. *Biochemical Pharmacology*, **2011**, 81, 337-44	6	144
47	Paraoxonase 1: Structure, Function, and Polymorphisms **2011**, 85-95		1
46	In vitro neurotoxicology: an introduction. *Methods in Molecular Biology*, **2011**, 758, 1-9	1.4	6
45	Comparative cytotoxicity and intracellular accumulation of five polybrominated diphenyl ether congeners in mouse cerebellar granule neurons. *Toxicological Sciences*, **2010**, 114, 124-32	4.4	68
44	Domoic acid as a developmental neurotoxin. *NeuroToxicology*, **2010**, 31, 409-23	4.4	89
43	Long-term effects of developmental exposure to low doses of PCB 126 and methylmercury. *Toxicology Letters*, **2010**, 197, 38-45	4.4	19
42	Neurotoxicity of a polybrominated diphenyl ether mixture (DE-71) in mouse neurons and astrocytes is modulated by intracellular glutathione levels. *Toxicology and Applied Pharmacology*, **2008**, 232, 161-8	4.6	80
41	Review of the toxicology of chlorpyrifos with an emphasis on human exposure and neurodevelopment. *Critical Reviews in Toxicology*, **2008**, 38 Suppl 2, 1-125	5.7	411
40	Neurotoxicity of pesticides: a brief review. *Frontiers in Bioscience - Landmark*, **2008**, 13, 1240-9	2.8	203
39	An in vitro approach to assess the toxicity of certain food contaminants: methylmercury and polychlorinated biphenyls. *Toxicology*, **2007**, 237, 65-76	4.4	45
38	Contaminants in fish: risk-benefit considerations. *Arhiv Za Higijenu Rada I Toksikologiju*, **2007**, 58, 367-74	1.7	40
37	Developmental neurotoxicity of polybrominated diphenyl ether (PBDE) flame retardants. *NeuroToxicology*, **2007**, 28, 1047-67	4.4	451
36	DNA Repair Enzymes **2006**, 179-196		
35	Current issues in organophosphate toxicology. *Clinica Chimica Acta*, **2006**, 366, 1-13	6.2	504

34 Paraoxonase, Butyrylcholinesterase, and Epoxide Hydrolase **2006**, 159-177

33 Risk Assessment and the Impact of Ecogenetics **2006**, 427-450 1

32 Neurodegenerative Diseases **2006**, 253-269

31 Epidemiologic Approaches **2006**, 51-71

30 Tools of Ecogenetics **2006**, 17-49 1

29 Social and Psychological Aspects of Ecogenetics **2006**, 397-409 1

28 Receptors and Ion Channels **2006**, 197-210

27 Ecogenetics: Historical Perspectives **2006**, 7-16 2

26 Overview of Section II **2006**, 89-93

25 Overview of Section IV **2006**, 375-379

24 Ethical Issues in Ecogenetics **2006**, 381-395

23 Overview of Section III **2006**, 211-214

22 Statistical Issues in Ecogenetic Studies **2006**, 73-88

21 Type 2 Diabetes **2006**, 285-301

20 Polymorphisms in Xenobiotic Conjugation **2006**, 127-158

19 Gastrointestinal Cancers **2006**, 239-252

18 Infectious Disease Ecogenetics **2006**, 303-319

17 Genetic Determinants of Addiction to Alcohol, Tobacco, and Drugs of Abuse **2006**, 351-373 1

16	Genetic Variation, Diet, and Disease Susceptibility **2006**, 321-350		3
15	Measurement of paraoxonase (PON1) status as a potential biomarker of susceptibility to organophosphate toxicity. *Clinica Chimica Acta*, **2005**, 352, 37-47	6.2	167
14	Effect of organophosphorus insecticides and their metabolites on astroglial cell proliferation. *Toxicology*, **2005**, 215, 182-90	4.4	54
13	Modulation of paraoxonase (PON1) activity. *Biochemical Pharmacology*, **2005**, 69, 541-50	6	359
12	Paraoxonase 2 (PON2) polymorphisms and Parkinson\'s disease. *Neuroscience Research Communications*, **2004**, 34, 130-135		
11	Differential in vitro neurotoxicity of the flame retardant PBDE-99 and of the PCB Aroclor 1254 in human astrocytoma cells. *Toxicology Letters*, **2004**, 154, 11-21	4.4	102
10	Developmental neuropathology of environmental agents. *Annual Review of Pharmacology and Toxicology*, **2004**, 44, 87-110	17.9	245
9	Expression of human paraoxonase (PON1) during development. *Pharmacogenetics and Genomics*, **2003**, 13, 357-64		96
8	Polybrominated diphenyl ethers: neurobehavioral effects following developmental exposure. *NeuroToxicology*, **2003**, 24, 449-62	4.4	208
7	Inorganic lead stimulates DNA synthesis in human astrocytoma cells: role of protein kinase Calpha. *Journal of Neurochemistry*, **2001**, 78, 590-9	6	29
6	Activation of mitogen-activated protein kinase by muscarinic receptors in astroglial cells: role in DNA synthesis and effect of ethanol. *Glia*, **2001**, 35, 111-20	9	49
5	Modulation of DNA synthesis by muscarinic cholinergic receptors. *Growth Factors*, **2001**, 18, 227-36	1.6	24
4	Effect of ethanol on muscarinic receptor-induced calcium responses in astroglia. *Journal of Neuroscience Research*, **2000**, 60, 345-55	4.4	21
3	Muscarinic receptor-induced calcium responses in astroglia. *Cytometry*, **2000**, 41, 123-132		17
2	Neurotoxicity Testing: A Discussion of in Vitro Alternatives. *Environmental Health Perspectives*, **1998**, 106, 505	8.4	10
1	Polymorphisms in Cytochrome P450 and Flavin-Containing Monooxygenase Genes95-126		