

# Eduard Rodriguez-Farre

## List of Publications by Citations

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81  
papers

2,145  
citations

27  
h-index

43  
g-index

82  
ext. papers

2,299  
ext. citations

4.4  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
81	Neurotoxicity of organomercurial compounds. <i>Neurotoxicity Research</i> , <b>2003</b> , 5, 283-305	4.3	146
80	Induction of cyclooxygenase-2 mRNA and protein following transient focal ischemia in the rat brain. <i>Neuroscience Letters</i> , <b>1995</b> , 200, 187-90	3.3	113
79	Astrocytes aged in vitro show a decreased neuroprotective capacity. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 794-805	6	102
78	Evaluation of fluorescent dyes for measuring intracellular glutathione content in primary cultures of human neurons and neuroblastoma SH-SY5Y <b>2003</b> , 51, 16-25		91
77	Antioxidant compounds and Ca(2+) pathway blockers differentially protect against methylmercury and mercuric chloride neurotoxicity. <i>Journal of Neuroscience Research</i> , <b>2001</b> , 66, 135-45	4.4	86
76	Differential estrogenic effects of the persistent organochlorine pesticides dieldrin, endosulfan, and lindane in primary neuronal cultures. <i>Toxicological Sciences</i> , <b>2011</b> , 120, 413-27	4.4	65
75	Comparison of behavioral, vestibular, and axonal effects of subchronic IDPN in the rat. <i>Neurotoxicology and Teratology</i> , <b>1997</b> , 19, 117-27	3.9	64
74	Relationship between lindane concentration in blood and brain and convulsant response in rats after oral or intraperitoneal administration. <i>Archives of Toxicology</i> , <b>1987</b> , 60, 432-7	5.8	62
73	Resveratrol Induces Brain Resilience Against Alzheimer Neurodegeneration Through Proteostasis Enhancement. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 1502-1516	6.2	59
72	Mercury compounds disrupt neuronal glutamate transport in cultured mouse cerebellar granule cells. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 545-53	4.4	57
71	Kainic acid-induced heat shock protein-70, mRNA and protein expression is inhibited by MK-801 in certain rat brain regions. <i>European Journal of Neuroscience</i> , <b>1995</b> , 7, 293-304	3.5	52
70	Apoptosis and c-Jun in the thalamus of the rat following cortical infarction. <i>NeuroReport</i> , <b>1996</b> , 7, 425-8	1.7	52
69	Cell viability and proteomic analysis in cultured neurons exposed to methylmercury. <i>Human and Experimental Toxicology</i> , <b>2007</b> , 26, 263-72	3.4	44
68	The mechanism for hexachlorocyclohexane-induced cytotoxicity and changes in intracellular Ca <sup>2+</sup> homeostasis in cultured cerebellar granule neurons is different for the gamma- and delta-isomers. <i>Toxicology and Applied Pharmacology</i> , <b>1997</b> , 142, 31-9	4.6	43
67	Regional expression of inducible heat shock protein-70 mRNA in the rat brain following administration of convulsant drugs. <i>Molecular Brain Research</i> , <b>1994</b> , 27, 127-37		43
66	Neuronal in vitro models for the estimation of acute systemic toxicity. <i>Toxicology in Vitro</i> , <b>2009</b> , 23, 1564-5	3.9	40
65	Melatonin induces mechanisms of brain resilience against neurodegeneration. <i>Journal of Pineal Research</i> , <b>2018</b> , 65, e12515	10.4	39

64	Early 72-kDa heat shock protein induction in microglial cells following focal ischemia in the rat brain. <i>Neuroscience Letters</i> , <b>1994</b> , 182, 205-7	3-3	37
63	GABAergic modulation of lindane (gamma-hexachlorocyclohexane)-induced seizures. <i>Toxicology and Applied Pharmacology</i> , <b>1989</b> , 100, 1-8	4-6	37
62	Mercury interaction with the GABA(A) receptor modulates the benzodiazepine binding site in primary cultures of mouse cerebellar granule cells. <i>Neuropharmacology</i> , <b>2001</b> , 41, 819-33	5-5	36
61	Induction of cyclooxygenase-2 in the rat brain after a mild episode of focal ischemia without tissue inflammation or neural cell damage. <i>Neuroscience Letters</i> , <b>1999</b> , 275, 141-4	3-3	36
60	Degeneration and gliosis in rat retina and central nervous system following 3,3Siminodipropionitrile exposure. <i>Brain Research</i> , <b>1999</b> , 833, 258-71	3-7	34
59	Estimation of gelatinase content in rat brain: effect of focal ischemia. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 278, 803-7	3-4	33
58	Expression of c-fos and inducible hsp-70 mRNA following a transient episode of focal ischemia that had non-lethal effects on the rat brain. <i>Brain Research</i> , <b>1995</b> , 670, 317-20	3-7	33
57	Inhibition of t-[35S]butylbicyclophosphorothionate binding by convulsant agents in primary cultures of cerebellar neurons. <i>Developmental Brain Research</i> , <b>1993</b> , 73, 85-90		32
56	Lindane inhibition of [35S]TBPS binding to the GABAA receptor in rat brain. <i>Neurotoxicology and Teratology</i> , <b>1990</b> , 12, 607-10	3-9	31
55	GABAergic pharmacological activity of propofol related compounds as possible enhancers of general anesthetics and interaction with membranes. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 67, 515-25	3-2	27
54	Striatal infarction in the rat causes a transient reduction of tyrosine hydroxylase immunoreactivity in the ipsilateral substantia nigra. <i>Neurobiology of Disease</i> , <b>1997</b> , 4, 376-85	7-5	26
53	Ionizing radiation-induced apoptosis is associated with c-Jun expression and c-Jun/AP-1 activation in the developing cerebellum of the rat. <i>Neuroscience Letters</i> , <b>1995</b> , 202, 105-8	3-3	26
52	Neurotoxic effects of trimethyltin and triethyltin on human fetal neuron and astrocyte cultures: a comparative study with rat neuronal cultures and human cell lines. <i>Toxicology Letters</i> , <b>2004</b> , 152, 35-46	4-4	25
51	Behavioral and monoaminergic changes after lindane exposure in developing rats. <i>Neurotoxicology and Teratology</i> , <b>1998</b> , 20, 155-60	3-9	24
50	Pharmacological characterization of the effects of methylmercury and mercuric chloride on spontaneous noradrenaline release from rat hippocampal slices. <i>Life Sciences</i> , <b>2000</b> , 67, 1219-31	6-8	22
49	Convulsant effect of lindane and regional brain concentration of GABA and dopamine. <i>Toxicology</i> , <b>1988</b> , 49, 247-52	4-4	22
48	Methylmercury-induced developmental toxicity is associated with oxidative stress and cofilin phosphorylation. Cellular and human studies. <i>NeuroToxicology</i> , <b>2017</b> , 59, 197-209	4-4	20
47	DownS syndrome astrocytes have greater antioxidant capacity than euploid astrocytes. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 2355-66	3-5	20

46	Regional concentrations of GABA, serotonin and noradrenaline in brain at onset of seizures induced by lindane (gamma-hexachlorocyclohexane). <i>Neuropharmacology</i> , <b>1988</b> , 27, 677-81	5.5	20
45	Lindane administration to the rat induces modifications in the regional cerebral binding of [3H]Muscimol, [3H]-flunitrazepam, and t-[35S]butylbicyclophosphorothionate: an autoradiographic study. <i>Journal of Neurochemistry</i> , <b>1993</b> , 60, 1821-34	6	19
44	The safety of the use of bisphenol A in medical devices. <i>Regulatory Toxicology and Pharmacology</i> , <b>2016</b> , 79, 106-107	3.4	18
43	Effects of lindane on spontaneous behavior of rats analyzed by multivariate statistics. <i>Neurotoxicology and Teratology</i> , <b>1989</b> , 11, 145-51	3.9	18
42	Effects of the conformationally restricted GABA analogues, cis- and trans-4-aminocrotonic acid, on GABA neurotransmission in primary neuronal cultures. <i>Journal of Neuroscience Research</i> , <b>1999</b> , 57, 95-103	4.4	17
41	Induction of HSP70 mRNA and HSP70 protein in the hippocampus of the developing gerbil following transient forebrain ischemia. <i>Brain Research</i> , <b>1994</b> , 653, 191-8	3.7	17
40	Synthesis and utilization of neurotransmitters: actions of subconvulsant doses of hexachlorocyclohexane isomers on brain monoamines. <i>Toxicology</i> , <b>1988</b> , 49, 49-55	4.4	17
39	Use of human central nervous system cell cultures in neurotoxicity testing. <i>Toxicology in Vitro</i> , <b>1999</b> , 13, 753-9	3.6	16
38	Cerebrospinal dopamine metabolites in rats after intrastriatal administration of 6-hydroxydopamine or 1-methyl-4-phenylpyridinium ion. <i>Brain Research</i> , <b>1995</b> , 669, 19-25	3.7	16
37	On the effects of lindane on the plus-maze model of anxiety. <i>Neurotoxicology and Teratology</i> , <b>1990</b> , 12, 643-7	3.9	16
36	Lindane cytotoxicity in cultured neocortical neurons is ameliorated by GABA and flunitrazepam. <i>Journal of Neuroscience Research</i> , <b>1994</b> , 39, 663-8	4.4	15
35	Behavioral changes induced in developing rats by an early postnatal exposure to lindane. <i>Neurotoxicology and Teratology</i> , <b>1990</b> , 12, 591-5	3.9	15
34	The effect of non-convulsant doses of lindane on temperature and body weight. <i>Toxicology</i> , <b>1988</b> , 49, 389-94	4.4	15
33	Protein binding and stability of norepinephrine in human blood plasma. Involvement of prealbumin, alpha 1-acid glycoprotein and albumin. <i>Life Sciences</i> , <b>1988</b> , 43, 1277-86	6.8	15
32	GABAA receptor and cell membrane potential as functional endpoints in cultured neurons to evaluate chemicals for human acute toxicity. <i>Neurotoxicology and Teratology</i> , <b>2010</b> , 32, 52-61	3.9	14
31	Properties of ryanodine receptors in cultured cerebellar granule neurons: effects of hexachlorocyclohexane isomers and calcium. <i>Journal of Neuroscience Research</i> , <b>1997</b> , 47, 27-33	4.4	13
30	Trimethyltin and triethyltin differentially induce spontaneous noradrenaline release from rat hippocampal slices. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 162, 189-96	4.6	13
29	Regional effects on the cerebral concentration of noradrenaline, serotonin and dopamine in suckling rats after a single dose of lindane. <i>Toxicology</i> , <b>1991</b> , 69, 43-54	4.4	13

28	Effect of lindane on the myelination process in the rat. <i>Neurotoxicology and Teratology</i> , <b>1990</b> , 12, 577-833.9		13
27	Regional distribution of lindane in rat brain. <i>Toxicology</i> , <b>1988</b> , 49, 189-96	4.4	11
26	Effect of lindane at repeated low doses. <i>Toxicology</i> , <b>1988</b> , 49, 375-9	4.4	11
25	Influence of prenatal exposure to environmental pollutants on human cord blood levels of glutamate. <i>NeuroToxicology</i> , <b>2014</b> , 40, 102-10	4.4	10
24	Carboxyl-terminal fragment of amyloid precursor protein and hydrogen peroxide induce neuronal cell death through different pathways. <i>Journal of Neural Transmission</i> , <b>2006</b> , 113, 1837-45	4.3	10
23	NMDA receptors mediate heat shock protein induction in the mouse brain following administration of the ibotenic acid analogue AMAA. <i>Brain Research</i> , <b>1995</b> , 700, 289-94	3.7	10
22	Cerebral glucose uptake in lindane-treated rats. <i>Toxicology</i> , <b>1988</b> , 49, 381-7	4.4	10
21	Resveratrol confers neuroprotection against high-fat diet in a mouse model of Alzheimer's disease via modulation of proteolytic mechanisms. <i>Journal of Nutritional Biochemistry</i> , <b>2021</b> , 89, 108569	6.3	10
20	Repeated lindane exposure in the rat results in changes in spontaneous motor activity at 2 weeks post-exposure. <i>Toxicology Letters</i> , <b>1992</b> , 61, 265-74	4.4	9
19	Neurotransmitter amines and antioxidant agents in neuronal protection against methylmercury-induced cytotoxicity in primary cultures of mice cortical neurons. <i>NeuroToxicology</i> , <b>2018</b> , 69, 278-287	4.4	8
18	Hippocampal noradrenaline release is modulated by gamma- and delta-hexachlorocyclohexane isomers: which mechanisms are involved?. <i>European Journal of Pharmacology</i> , <b>1994</b> , 252, 305-12	5.3	8
17	Differential presynaptic effects of hexachlorocyclohexane isomers on noradrenaline release in cerebral cortex. <i>Life Sciences</i> , <b>1991</b> , 49, 1111-9	6.8	8
16	Brain metabolites of lindane and related isomers: identification by negative ion mass spectrometry. <i>Toxicology</i> , <b>1988</b> , 49, 57-63	4.4	8
15	PK 11195 reduces the brain availability of lindane in rats and the convulsions induced by this neurotoxic agent. <i>Life Sciences</i> , <b>1995</b> , 57, 2359-64	6.8	7
14	Modulation of noradrenaline release from hippocampal slices by hexachlorocyclohexane isomers. Effects of GABAergic compounds. <i>Brain Research</i> , <b>1993</b> , 606, 237-43	3.7	7
13	Kainic acid inhibits protein amino acid incorporation in select rat brain regions. <i>NeuroReport</i> , <b>1994</b> , 5, 2333-6	1.7	6
12	The binding of noradrenalin by plasma and serum proteins in various animal species. <i>International Journal of Nuclear Medicine and Biology</i> , <b>1975</b> , 2, 13-24		5
11	Spatial distribution of Parkinson's disease mortality in Spain, 1989-1998, as a guide for focused aetiological research or health-care intervention. <i>BMC Public Health</i> , <b>2009</b> , 9, 445	4.1	4

10	Sulphur-containing amino acids modulate noradrenaline release from hippocampal slices. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 1534-41	6	4
9	Changes in regional brain 2[14C]deoxyglucose uptake induced in postnatal developing rats by single and repeated nonconvulsant doses of lindane. <i>Pesticide Biochemistry and Physiology</i> , <b>1992</b> , 43, 241-252	4.9	4
8	Study of regional cerebral blood flow after lindane administration to the rat. <i>Pesticide Biochemistry and Physiology</i> , <b>1990</b> , 38, 1-8	4.9	4
7	Peripheral Maintenance of the Axis SIRT1-SIRT3 at Youth Level May Contribute to Brain Resilience in Middle-Aged Amateur Rugby Players. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 352	5.3	4
6	The Geography of the Alzheimer's Disease Mortality in Spain: Should We Focus on Industrial Pollutants Prevention?. <i>Healthcare (Switzerland)</i> , <b>2017</b> , 5,	3.4	3
5	Effects of glucose and oxygen deprivation on phosphoinositide hydrolysis in cerebral cortex slices from neonatal rats. <i>Life Sciences</i> , <b>1996</b> , 59, 587-97	6.8	2
4	In Vitro Models for Methylmercury Neurotoxicity: Effects on Glutamatergic Cerebellar Granule Neurons <b>2012</b> , 259-270		2
3	Binding of noradrenaline to bovine serum albumin. <i>International Journal of Nuclear Medicine and Biology</i> , <b>1981</b> , 8, 65-75		1
2	Stimulation of Phosphoinositide Hydrolysis by gamma- and delta-Hexachlorocyclohexane in Primary Cultures of Cerebellar Granule Cells: Interaction with Glutamate and Carbachol Receptor-Mediated Phosphoinositide Response and Effects of Specific Pharmacological Agents. <i>Pesticide Biochemistry and Physiology</i> , <b>1996</b> , 55, 64-76	4.9	
1	Neurotoxic substances also posing a cancer risk: a warning. <i>Neurotoxicology and Teratology</i> , <b>1990</b> , 12, 677-81	3.9	